

(a) Application Number	(b) Title of Application	(c) Scheme	(d) Date received by Minister	(e) Whether grant approved by Minister	(f) Date of Minister's decision	(g) Date applicant informed of outcome	(h) Grant Amount	(i) Public announcement and date
DE210100004	Mixing and air-sea coupling in the Pacific: Toward better El Nino forecasts	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$440,185	3/11/2020
DE210100005	The development of cognitive offloading: Children's use of thinking tools	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$451,075	3/11/2020
DE210100012	Recordkeeping for empowerment of rural communities in developing countries	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$399,429	3/11/2020
DE210100019	A Scalable and Adaptive-Resilient Blockchain	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$408,000	3/11/2020
DE210100032	Unravelling how ecosystems function through time and space	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$456,645	3/11/2020
DE210100043	Kangaroos, feral herbivores and bushfires: Consequences for forest dynamics	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$454,000	3/11/2020
DE210100053	Computational Discovery & Design of New Catalytic Halogenophilic Reactions	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$428,710	3/11/2020
DE210100056	Microstructured Nanohybrid Films for Passive Daytime Cooling	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$433,746	3/11/2020
DE210100065	Designing Organocatalysts to Achieve Hyperpolarised Magnetic Resonance	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$423,808	3/11/2020
DE210100084	The interplay of tectonics and sea level on carbonate platform evolution	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$451,428	3/11/2020
DE210100087	Advancing research on healthy longevity in Australia and the Asia-Pacific	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$425,394	3/11/2020
DE210100092	Outbound Chinese social media platforms and platform governance	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$403,250	3/11/2020
DE210100103	Fortifying animal and plant germ cells against proteotoxic stress	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$459,674	3/11/2020
DE210100113	Gender differences in the prevention of youth victimisation and offending	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$422,660	3/11/2020
DE210100115	Living to tell, telling to live: Experience, narrative, and the self	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$328,092	3/11/2020
DE210100117	Multiobjective optimisation of reservoir operations under uncertainty	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$427,612	3/11/2020
DE210100137	Global Economic Uncertainty, Liquidity and Monetary Policy in Australia	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$347,889	3/11/2020
DE210100151	Institutional abortion stigma as a barrier to equitable access	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$431,891	3/11/2020
DE210100157	Landscape change and the archaeological record in the Willandra Lakes, NSW	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$462,700	3/11/2020
DE210100158	Australian Design, Trades and Manufacturing 1945-2007: Connecting Histories	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$408,698	3/11/2020
DE210100160	Information Extraction from Large-scale Low-quality Data	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$423,000	3/11/2020
DE210100180	Effective classification of closed vertex-transitive groups acting on trees	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$400,475	3/11/2020
DE210100205	Searching for Life on Mars on Earth	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$367,000	3/11/2020
DE210100249	Indigenous Sustainable Development Indicators: Closing the data gap	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$455,515	3/11/2020
DE210100253	Functional carbon hybrids for green catalysis and clean water	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$450,948	3/11/2020

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DE210100256	Extracting the hidden structure of glass from particle vibrations	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$415,283	3/11/2020
DE210100263	Adaptive Resource Management for Sustainable Edge Computing Systems	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$425,775	3/11/2020
DE210100271	Synthetic microbiome: improving crop nitrogen acquisition and productivity	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$452,005	3/11/2020
DE210100273	Supercomputing to understand track buckling and related train derailments	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$407,679	3/11/2020
DE210100274	Graph Neural Networks for Efficient Decision-making towards Future Grids	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$415,675	3/11/2020
DE210100291	Conferring life-like functions to protocells	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$414,000	3/11/2020
DE210100292	From known to unknown: Individual differences in associative generalisation	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$380,868	3/11/2020
DE210100303	Inheritance and the Emergence of Individuals: From concepts to practice	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$441,200	3/11/2020
DE210100323	Synthetic biology to engineer novel disease resistance in cereal crops	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$431,000	3/11/2020
DE210100330	Creating shellfish reefs for hazard risk reduction and habitat restoration	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$461,299	3/11/2020
DE210100357	What determines your face identification accuracy?	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$427,320	3/11/2020
DE210100367	Predicting fisheries bycatch of protected species in dynamic seascapes	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$421,000	3/11/2020
DE210100368	Algorithmic management and the future of work: lessons from the gig economy	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$396,071	3/11/2020
DE210100375	Defining single-strand DNA break repair capacity in oocytes	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$428,191	3/11/2020
DE210100391	Reducing Gendered Harm in Involuntary Mental Health Service Provision	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$418,228	3/11/2020
DE210100398	The Life And Death Of Plant Genes	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$448,365	3/11/2020
DE210100415	Cross-layer Design for Ultra-reliable Low-latency Communications	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$432,483	3/11/2020
DE210100416	Young women's online experiences of learning about gender inequality	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$422,044	3/11/2020
DE210100422	Using toxins to manipulate the gating of voltage-gated sodium channels	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$447,346	3/11/2020
DE210100430	Global Patterns of Mass Violence: Ottoman Borderlands in Context, 1890-1920	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$369,424	3/11/2020
DE210100440	A novel approach in crowd evacuation planning: Behavioural intervention	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$419,693	3/11/2020
DE210100446	Exploring the Nature of Dark Matter	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$445,688	3/11/2020
DE210100453	Nervous tissue stimulation using Multi-Junction Silicon Photodiodes	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$442,408	3/11/2020
DE210100457	Southeast Asian Performance, Ethnic Identity and China's Soft Power	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$377,786	3/11/2020
DE210100466	Decrypting chloroplast signalling in C4 photosynthesis under heat stress	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$427,623	3/11/2020

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DE210100473	Breaking Performance Limits of Solar Inverters for a Sustainable Future	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$462,573	3/11/2020
DE210100479	Resilient design flood estimation for Australia	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$424,835	3/11/2020
DE210100486	Navigating justice systems: how Pacific women secure their property rights	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$443,774	3/11/2020
DE210100492	Robust strategies to achieve sustainable savannas under rapid global change	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$462,720	3/11/2020
DE210100494	A novel electronic nose to locate victims of mass disaster events	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$455,333	3/11/2020
DE210100496	Standardising Halal: interpreting the tension between global and local	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$446,291	3/11/2020
DE210100508	How predictions affect visual processing across the cortical hierarchy	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$462,948	3/11/2020
DE210100512	Wireless Power Transfer for Battery-Free Internet-of-Things Ecosystems	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$416,075	3/11/2020
DE210100513	Venture philanthropy in public education: governance, policy and practice	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$407,391	3/11/2020
DE210100525	Reconceptualising copyright to improve access to screen culture	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$421,625	3/11/2020
DE210100535	Minimal surfaces and singularities of mean curvature flow	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$340,548	3/11/2020
DE210100536	The Earliest Australians' Adaptations across Western Australia	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$446,362	3/11/2020
DE210100549	Adaptive evolution and its demographic consequences today	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$417,328	3/11/2020
DE210100550	Superior performance optical coatings for next-generation interferometry	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$458,127	3/11/2020
DE210100582	Turning points? Life events and trajectories of later-life loneliness	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$444,620	3/11/2020
DE210100586	The Digital Criminal Justice Project: Vulnerability and the Digital Subject	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$440,000	3/11/2020
DE210100602	Market Design of Next Generation of Shared and Automated Transport Services	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$424,000	3/11/2020
DE210100604	How do cells sense and react to mechanical forces?	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$436,600	3/11/2020
DE210100606	Effects of environmental change on seafood micronutrients: a SE Asian focus	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$450,400	3/11/2020
DE210100639	Invisible disability: Indigenous women living with traumatic brain injury	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$442,500	3/11/2020
DE210100651	Intelligent Backscatter Communications for Green and Secure IoT Networks	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$414,000	3/11/2020
DE210100662	Engineering interfaces to enable a new generation of hybrid materials	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$453,000	3/11/2020
DE210100679	Disruptive nanotechnology to control light	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$436,775	3/11/2020
DE210100680	Solar electrolysis for manufacture of sustainable energy storage materials	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$423,275	3/11/2020
DE210100692	Multiphysics inertial microfluidics: from fundamentals to applications	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$420,000	3/11/2020

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DE210100705	Decoding the enigmatic biology of human gamma-delta T cells	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$462,948	3/11/2020
DE210100710	Development communication, media and peace in protracted displacement	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$416,530	3/11/2020
DE210100735	Australian civil society combating modern slavery with ethical consumerism	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$406,061	3/11/2020
DE210100740	Examining the social, historical and political effects of school discipline	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$414,370	3/11/2020
DE210100749	Machine learning of subgrid ocean physics for global ocean models	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$434,030	3/11/2020
DE210100750	Australia and Space: Government policy and public imagination, 1957 – 2021	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$378,213	3/11/2020
DE210100755	Developing phytosystems for the biofiltration of air pollutants	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$462,948	3/11/2020
DE210100784	The nexus between organisational trust and collaboration in disasters	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$400,728	3/11/2020
DE210100790	Understanding how the brain combines sensory information	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$419,308	3/11/2020
DE210100800	Testing socioeconomic and motivational influences on self-objectification	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$448,000	3/11/2020
DE210100812	Using evolutionary theory to advance reproductive technologies	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$451,748	3/11/2020
DE210100848	Quantum control of sound with light	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$437,299	3/11/2020
DE210100852	High-Performance Monolithic Sensor Technology for Corrosive Environments	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$440,675	3/11/2020
DE210100854	Model-directed bioengineering strategy for accelerating crop improvement	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$461,249	3/11/2020
DE210100858	Human-Centred Robot Training	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$344,896	3/11/2020
DE210100872	Innovation infrastructure planning: future-proofing Australia's growth	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$397,959	3/11/2020
DE210100908	Maximising the beneficial impacts of mycorrhizal fungi on grain nutrition	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$461,815	3/11/2020
DE210100912	Improving Girls' Body Image via Social Media	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$450,488	3/11/2020
DE210100929	Using ancient DNA to uncover climate change impacts on Antarctica	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$462,948	3/11/2020
DE210100930	Defect Engineering Enabling Efficient Solar Hydrogen Production	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$396,948	3/11/2020
DE210100934	Taming the light: full control in polarisation, space, and time	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$439,082	3/11/2020
DE210100953	Directly imaging exoplanets with astrophotonic innovation	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$405,000	3/11/2020
DE210100973	The Social Life of Royalties: Plant intellectual property in Australia	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$433,000	3/11/2020
DE210100975	Architected ceramics to combine strength, toughness, and complex shapes	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$415,775	3/11/2020
DE210100986	Blast Resistant Interlocking Brick Walls Using Engineered Waste Materials	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$425,775	3/11/2020

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DE210100989	Locating the household in post-carbon regional economies	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$452,140	3/11/2020
DE210100994	Philanthropy in Australian Public Schooling	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$427,882	3/11/2020
DE210101026	Atomic physics as a probe for fundamental physics and dark matter	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$438,835	3/11/2020
DE210101029	A global exploration of microbial carbon breakdown in wetland ecosystems	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$462,763	3/11/2020
DE210101030	Road to recovery: evidence-based conservation of threatened ecosystems	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$442,638	3/11/2020
DE210101031	Defining the structural basis of lipid mediated T cell immunity	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$458,120	3/11/2020
DE210101050	Exploding massive stars and their implications for gravitational waves	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$350,898	3/11/2020
DE210101055	Public law accountability of outsourced government services	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$334,775	3/11/2020
DE210101056	Realising the potential of hyperbolic programming	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$395,775	3/11/2020
DE210101063	Bacterial cell invasion factors as vaccine targets	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$462,948	3/11/2020
DE210101068	The Common Heritage of Mankind: A Cosmopolitan Preservationist Ethic	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$374,686	3/11/2020
DE210101072	Beyond Apollo: The interaction of radiation and ablation during Mars return	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$431,722	3/11/2020
DE210101073	Defying conventions with a liquid metal-embedded hybrid elastomer composite	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$355,000	3/11/2020
DE210101085	Stability of Multilateral Agreements and the Limits to Cooperation	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$323,692	3/11/2020
DE210101087	10,000 years of Indigenous fisheries informs future Great Barrier Reef	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$444,281	3/11/2020
DE210101089	Seeing the Black Child	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$441,173	3/11/2020
DE210101091	Data-Driven Code Reviews for Cost-Effective Software Quality Assurance	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$402,160	3/11/2020
DE210101093	Development and application of super-sensitive spinning quantum sensors	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$439,587	3/11/2020
DE210101102	Single-Atom Catalysts on Atomically Thin Nanomaterials for H2O2 Production	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$404,748	3/11/2020
DE210101107	Ahead of the Game: Balancing the Gaming Industry and Public Interest	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$412,744	3/11/2020
DE210101126	Stability of accessory minerals during low temperature geological processes	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$416,419	3/11/2020
DE210101129	Two-Dimensional Material Tandem Detectors for Polarimetry and Spectroscopy	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$425,948	3/11/2020
DE210101137	Exploiting biological noise for next generation electrochemical biosensors	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$458,665	3/11/2020
DE210101138	Habit formation and change in ageing: Developing a neuropsychological model	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$437,623	3/11/2020
DE210101144	Understanding crosstalks between Natural Killer cells and Dendritic Cells	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$429,450	3/11/2020

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DE210101145	Investigating novel neurobiological mechanisms in rabies infection.	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$414,662	3/11/2020
DE210101155	From stormwater to potable water via Water Sensitive Urban Design?	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$425,952	3/11/2020
DE210101157	Unlocking carbon nano-tectonics for next-generation lithium batteries	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$412,748	3/11/2020
DE210101162	Nanomanipulation of Liquid Metal Interfaces via Polyphenol Assembly	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$395,000	3/11/2020
DE210101163	Fire and Transformation: Building capacity to manage Australian Bushfires	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$351,948	3/11/2020
DE210101168	Shining a light on the mechanism of photochemical hydrogen production	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$430,000	3/11/2020
DE210101175	The asset state: Comparing new models for financing public investment	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$408,643	3/11/2020
DE210101176	Fluorescent probes for super-resolution imaging of the amyloid architecture	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$445,000	3/11/2020
DE210101181	Information Fusion for Tracking Objects in Large-Scale Sensor Network	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$403,775	3/11/2020
DE210101183	Artificial Intelligence Decision-Making, Privacy and Discrimination Laws	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$426,530	3/11/2020
DE210101200	Deciphering how nutrient status impacts plant defence	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$453,675	3/11/2020
DE210101235	Encounters with hominins: the history of human arrival in Sahul	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$424,500	3/11/2020
DE210101244	Do no harm: Sexual exploitation and abuse in humanitarian operations	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$437,994	3/11/2020
DE210101259	A predictive, ab initio design of enhanced plasmonic photocatalysts	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$360,000	3/11/2020
DE210101264	Toroidal quantum groups, integrable models and applications	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$342,346	3/11/2020
DE210101297	A novel, dictionary-free, multi-contrast MRI method for microscopic imaging	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$429,000	3/11/2020
DE210101323	Random tensors and random matrices: interactions and applications	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$345,448	3/11/2020
DE210101344	Advancing genomic-driven infectious diseases modelling	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$364,981	3/11/2020
DE210101348	Melting Futures: An Environmental History of the Himalayan Cryosphere	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$369,913	3/11/2020
DE210101352	Inverting the Signature Transform for Rough Paths and Random Processes	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$330,000	3/11/2020
DE210101382	Metastructures for Simultaneous Vibration Suppression and Energy Harvesting	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$425,775	3/11/2020
DE210101383	Hidden histories in teeth: The key to unlocking secrets in ancient Myanmar	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$432,953	3/11/2020
DE210101384	Investigating complex mortuary practices in the Neolithic Near East	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$440,244	3/11/2020
DE210101385	How social and trade networks influence adoption of sustainable practices	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$417,966	3/11/2020
DE210101395	Linking continental emergence and climatic evolution on the Early Earth	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$447,627	3/11/2020

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DE210101396	Dynamics and dispersion of microplastics in turbulent shallow water flows	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$421,209	3/11/2020
DE210101407	Revealing and navigating a path to climate-ready crops	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$447,524	3/11/2020
DE210101427	Challenging the Standard Model with the LHCb experiment	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$462,265	3/11/2020
DE210101433	From creeping to sliding: controls on Antarctic Ice Sheet flow processes	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$429,043	3/11/2020
DE210101439	Towards reliable and explainable models for anticipating ecological change	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$445,009	3/11/2020
DE210101440	Using big data to untangle ecological cascades in tropical forests	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$431,015	3/11/2020
DE210101443	Building Urban Resilience: Adaptation Economies in the Asia-Pacific	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$352,893	3/11/2020
DE210101458	Scalable and Deep Anomaly Detection from Big Data with Similarity Hashing	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$387,141	3/11/2020
DE210101479	The investigation of an unconventional Human Leukocyte Antigen molecule	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$450,948	3/11/2020
DE210101486	Reproductive crimes in international law: Lessons from Cambodia	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$429,936	3/11/2020
DE210101497	Structured Codes: Harnessing Interference to Improve Communication Networks	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$427,455	3/11/2020
DE210101503	Developing new, high-performance titanium alloys by metal 3D printing	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$420,590	3/11/2020
DE210101549	A virtual platform for animal–human inhalation toxicity extrapolation	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$395,775	3/11/2020
DE210101563	Scrubbing pollutant gases from air via biochar-foam concrete technology	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$450,000	3/11/2020
DE210101565	An Emerging Ionic Chalcogenide Perovskites for Solar Energy Conversion	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$423,193	3/11/2020
DE210101568	Maximising impacts of aid for health by incorporating local priorities	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$349,127	3/11/2020
DE210101569	Living well together - Muslim women, social cohesion, and Islamophobia	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$404,795	3/11/2020
DE210101581	Stability and Complexity: New insights from Random Matrix Theory	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$411,000	3/11/2020
DE210101593	Developing new tools to search for dark matter	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$462,948	3/11/2020
DE210101618	Designing supramolecular compounds for sustainable energy storage	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$417,000	3/11/2020
DE210101619	A community-led approach to preventing gendered violence at school	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$427,192	3/11/2020
DE210101623	High-Fidelity Motion Simulator using Sickness-Free Motion Cueing Algorithm	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$456,450	3/11/2020
DE210101624	Causal Discovery from Unstructured Data	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$410,775	3/11/2020
DE210101625	Developing an Advanced Drive-by Bridge Inspection Technology	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$430,075	3/11/2020
DE210101627	Developing ultra adsorbent MOF composites as high performance materials	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$447,625	3/11/2020

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DE210101639	Getting to Know the Neighbours: Naked-Eye Stars and Their Planets	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$444,075	3/11/2020
DE210101654	Assessing Eucalyptus forest responses to rising CO2 and climate change	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$335,528	3/11/2020
DE210101662	Reusable Fire-Resistant Column Rehabilitation with Fibre Reinforced Polymer	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$396,958	3/11/2020
DE210101666	Engineering nanoparticles with enhanced adhesion at the nano-bio interfaces	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$395,588	3/11/2020
DE210101669	Polycomb Group Proteins - Shaping Chromatin Architecture to Silence Genes	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$430,485	3/11/2020
DE210101676	Machine learning-based design of triply periodic minimal surface structures	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$435,690	3/11/2020
DE210101721	Skulls for the Tsar: Indigenous human remains in Russian collections	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$428,865	3/11/2020
DE210101738	Discovering the most extreme pulsars with the next generation radio surveys	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$345,000	3/11/2020
DE210101773	Ultra-tough coatings via materials engineering	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$375,000	3/11/2020
DE210101782	Enhancing critical reading with migrant and refugee-background youth	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$343,475	3/11/2020
DE210101791	Influence of the food environment near schools on children's food intake	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$401,567	3/11/2020
DE210101804	Modern diplomacy: understanding ceremonial exchange at Indigenous festivals	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$438,710	3/11/2020
DE210101808	Genetic Programming for Big Data Analytics	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$395,775	3/11/2020
DE210101822	Small but bold: harnessing microbes to boost drought tolerance in grasses	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$438,428	3/11/2020
DE210101827	Governing by Looking Back: A Socio-Legal Account of Cambodian 'boat people'	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$394,700	3/11/2020
DE210101864	Unlocking Urban Airspace for Drone Transport	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$442,500	3/11/2020
DE210101865	Justice and Security Reform in North-western Pakistan	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$447,798	3/11/2020
DE210101881	Building STEM capacity through literacy engagement in spatial reasoning	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$407,390	3/11/2020
DE210101883	Carbon-based catalysts for value-added chemicals from CO2 and sunlight	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$403,948	3/11/2020
DE210101893	The Origins and Evolution of the Most Abundant Planets in our Galaxy	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$425,489	3/11/2020
DE210101896	Interface engineering of 2D materials for advanced battery application	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$436,875	3/11/2020
DE210101904	Next-Generation LIDAR with Novel Microresonator Frequency Combs	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$385,322	3/11/2020
DE210101918	Fair conservation: pathways to equitable and effective protected areas	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$417,990	3/11/2020
DE210101923	Characteristics and controls of ice sheet loss on centennial timescales	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$411,073	3/11/2020
DE210101924	Bolstering conservation outcomes by integrating human behavioural science	Discovery Early Career Researcher	1/10/2020	Approved	30/10/2020	30/10/2020	\$461,798	3/11/2020



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DP210100018	Wobbling stars reveal their hidden companions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$405,000	13/11/2020
DP210100020	Hydrogen carbon waste into concrete: AI assisted nanoscience approach	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$768,927	13/11/2020
DP210100025	Switchable and stereocontrolled photoredox catalysis	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$560,000	13/11/2020
DP210100038	Spatiotemporal Light Control Using Programmable Organometallics	Discovery Projects	1/10/2020	Not Approved	9/12/2020	23/12/2020		
DP210100039	Creating custom microenvironments for anion complexation in water	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$370,000	13/11/2020
DP210100041	Mapping the Effectiveness of Automated Software Testing	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,000	13/11/2020
DP210100045	Rethinking the Data-driven Discovery of Rare Phenomena	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$450,605	13/11/2020
DP210100060	Human-centred Teamwork Analytics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$229,171	13/11/2020
DP210100071	"I think; therefore I am": Loneliness and neurodevelopmental disorders	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$205,833	13/11/2020
DP210100072	Time Series Classification for Complex Dynamic Global Problems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$408,000	13/11/2020
DP210100088	Methods for Protein Structure Analysis by Electron Paramagnetic Resonance	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$463,000	13/11/2020
DP210100094	Programming the Microstructure of 3D Printed Objects	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$480,000	13/11/2020
DP210100096	Tree-mediated methane fluxes: A new frontier in the global carbon cycle	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$364,850	13/11/2020
DP210100104	A History of Early Modern Natural Resource Management	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$191,683	13/11/2020
DP210100111	Ethical and Social Issues in Translating Epigenetics into Antenatal Care	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$485,000	13/11/2020
DP210100115	Feast or famine: how Australian plants stay productive under low phosphorus	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$399,000	13/11/2020
DP210100116	School Exclusionary Policies and Practices and their Impact	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$324,000	13/11/2020
DP210100129	Dynamics on space-filling shapes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$501,777	13/11/2020
DP210100137	Optimal Fundraising Design in a Competitive Market: A Unifying Framework	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$161,000	13/11/2020
DP210100149	How do Changes in Institutional Memory Affect Public Policy Processes?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$263,000	13/11/2020
DP210100157	The rise of mistrust: Digital platforms and trust in news media	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$376,841	13/11/2020
DP210100158	Domestic violence disclosure schemes: A national review	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$230,037	13/11/2020
DP210100162	Additive combinatorics of infinite sets via ergodic theoretic approach	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$340,000	13/11/2020
DP210100164	Investigating professional learning lives in the digital evolution of work	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$481,720	13/11/2020
DP210100167	Roadblocks in DNA replication	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$600,364	13/11/2020
DP210100175	Investigating Innovative Waste Economies: redrawing the circular economy	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$309,001	13/11/2020
DP210100227	Beyond black-box models: interaction in eXplainable Artificial Intelligence	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$357,735	13/11/2020
DP210100228	Investing in Aboriginal Languages	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$366,505	13/11/2020
DP210100233	Dissecting a major sulfur cycling pathway: sulfoglycolysis	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$590,000	13/11/2020
DP210100235	Control of immune recognition and response by microbial metabolites	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$445,000	13/11/2020
DP210100251	New constructions and techniques for tensor categories	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$422,887	13/11/2020
DP210100255	The mathematics of stochastic transport and signalling in cells	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$435,000	13/11/2020
DP210100256	The Role of a Central Bank's Balance Sheet in Shaping the Economy	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$148,158	13/11/2020
DP210100265	Supercritical-microfluidics technology for targeted delivery to the colon	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$210,000	23/12/2020

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DP210100271	Geodetic groups: foundational problems in algebra and computer science	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$435,000	13/11/2020
DP210100278	The Last Soviet Famine, 1946/47: Drought and food crises in war's aftermath	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$245,532	13/11/2020
DP210100283	Teacher capabilities in conditions of superdiversity	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$377,538	13/11/2020
DP210100285	Understanding the impact of nature imagery on healthy food choices	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$353,227	13/11/2020
DP210100296	Understanding disease resistance gene evolution across the Brassicaceae	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$660,976	13/11/2020
DP210100308	Experimental mapping of electron densities in nano-structured materials.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210100313	Quantitative psychological theories for a dynamic world.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$366,000	13/11/2020
DP210100323	Quantifying the threat posed by feral cats to Australian reptiles	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$545,000	13/11/2020
DP210100328	Senescence, sociality and sex	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$399,000	13/11/2020
DP210100331	In Silico Discovery and Design of 2D Ferromagnets for Nanoscale Electronics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$350,000	13/11/2020
DP210100332	Unraveling the spread of antibiotic resistance genes across soil food webs	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$500,000	13/11/2020
DP210100336	Uncovering the Chronology of Mars	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$455,000	13/11/2020
DP210100337	Why do galaxies stop forming stars?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$395,000	13/11/2020
DP210100341	Discontinued Use of Social Media: Dichotomy of Rational & Emotional Choices	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$376,000	13/11/2020
DP210100347	Climate impacts on grass phenology, diversity and pollen exposure	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$523,000	13/11/2020
DP210100357	Modern mathematics to unravel the birth of coherence in dynamical systems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$440,000	13/11/2020
DP210100362	Characterising O-linked glycosylation across Burkholderia	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$534,500	13/11/2020
DP210100365	Structures to Solve Conflicts of DNA Replication and RNA Transcription	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$692,195	13/11/2020
DP210100374	Metallosupramolecular Cages for Enantioselective Applications	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$209,000	13/11/2020
DP210100386	5G and the Future of Public Telecommunications	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$166,987	13/11/2020
DP210100393	Photoreversible hydrogels to study stem cell memory and fate	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$413,000	13/11/2020
DP210100399	Faith in Development: Religion, Gender and Resource Extraction in PNG	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$370,165	13/11/2020
DP210100401	Life Expectancy among Disease-Diagnosed	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$563,609	13/11/2020
DP210100402	Deadly Start: Enabling Preschoolers' Literacy, Numeracy and Wellbeing	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$771,651	13/11/2020
DP210100412	Secure and Energy Efficient mmWave Unmanned Aerial Vehicles Communications	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,987	13/11/2020
DP210100420	Building insights of our largest terrestrial carbon sink: rangelands soils	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$431,000	13/11/2020
DP210100422	Highly Efficient Nanomotors for Autonomous Cell Recognition and Isolation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$504,000	13/11/2020
DP210100426	The 'Peace' of Lausanne (1923): Genesis, Legacies, Paradoxes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$158,991	13/11/2020
DP210100430	Towards an Active and Passive L- and P-band soil moisture satellite mission	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$600,000	13/11/2020
DP210100433	Heat transfer and fluid flow in geomaterials: Physics-inspired AI framework	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$388,735	13/11/2020
DP210100437	The pull-out capacity of a newly developed grouted soil nailing system	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$360,000	13/11/2020
DP210100445	Young people shaping livelihoods across three generations	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$2,065,000	13/11/2020
DP210100454	Earth Abundant Metal Complexes for Nitrogen Activation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$340,000	13/11/2020

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DP210100458	Transforming the East: Jesuit Translations of the Confucian Classics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$229,950	13/11/2020
DP210100460	Shadow care infrastructures: sustaining life in the post-welfare city	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$362,421	13/11/2020
DP210100462	Glauconite: Archive Recording Timing and Triggers of Cambrian Radiation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210100468	Ejaculate-mediated paternal effects on offspring fitness	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$451,000	13/11/2020
DP210100471	The evolution of specialised orchid pollination and its reversibility	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$427,250	13/11/2020
DP210100472	Plasma-assisted on-surface assembly for hydrogen production and beyond	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$330,000	13/11/2020
DP210100476	New Insights on Modelling Time Trends with Panel Data: Theory and Practice	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$313,000	13/11/2020
DP210100482	Nano-fibrous structure for high-performance organic photovoltaic thin films	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$340,000	13/11/2020
DP210100489	The fluid mechanics of dynamically constricted tubes in pulsatile flow	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$240,000	13/11/2020
DP210100505	Defining the Molecular Targets of Evolution	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$605,516	13/11/2020
DP210100508	Fire and rain: Drivers of deep-time ecosystem assembly in Australia	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$476,000	13/11/2020
DP210100521	Fast flexible feature selection for high dimensional challenging data	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210100544	Migrant Worlds: Labouring Lives and Worker Consciousness in Global Cities	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$228,435	13/11/2020
DP210100546	Improving the Policing of Gender Violence in the Global South	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$190,064	13/11/2020
DP210100552	Imaging the human cerebellum during motor learning and timing	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$820,000	13/11/2020
DP210100553	Bacterial polycyclic aromatic hydrocarbon transport and degradation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$416,025	13/11/2020
DP210100561	Fluid-thermal-structural interactions on high-speed aerospace vehicles	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$480,000	13/11/2020
DP210100571	Tracing the impact of urban experimentation in water and energy domains	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$492,587	13/11/2020
DP210100572	Sustainability transformation pathways for small to medium enterprises	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$335,000	13/11/2020
DP210100589	Amplifying Voices from the Royal Commission into Aged Care	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$310,672	13/11/2020
DP210100597	Outmaneuvering correlated noise in quantum computers	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210100604	Defining winning strategies in a changing Southern Ocean	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$497,000	13/11/2020
DP210100606	Parameterisation of voltammetry in a machine learning environment	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$480,000	13/11/2020
DP210100614	Mobile DNA activity in the mammalian primordial germline	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$466,508	13/11/2020
DP210100630	Deciphering the coral minimal microbiome	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$578,741	13/11/2020
DP210100639	Sugar transporters in coral symbiosis and origin of parasitism	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$579,000	13/11/2020
DP210100640	A Novel Automatic Neural Network Feature Extractor	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$425,912	13/11/2020
DP210100643	Unraveling ocean mixing and air-sea forcing along the Indo-Pacific exchange	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$764,194	13/11/2020
DP210100647	Implementing Indigenous knowledge approaches in doctoral education	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$277,459	13/11/2020
DP210100652	Estimating and Testing Heterogeneous Structural Changes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$326,363	13/11/2020
DP210100658	The building blocks of meaning: a linguistic approach	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$338,320	13/11/2020
DP210100665	Regulation of autophagy dependent cell and tissue deletion	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$502,000	13/11/2020
DP210100673	How bacteria form resistant aggregates and biofilms	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$445,953	13/11/2020
DP210100703	Evolution of environmental regulation of cell states in animal life cycles	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$735,641	13/11/2020
DP210100709	Understanding the sources of the slow solar wind	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$375,000	13/11/2020
DP210100710	Understanding the long term impact of childhood emotional abuse	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$309,807	13/11/2020
DP210100717	Out of Africa: human prehistory in southwestern China	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$269,457	13/11/2020
DP210100720	Towards an Australian Ecological Theatre	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$340,781	13/11/2020

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DP210100721	Boosting Carbon Dioxide Reduction via Surface and Interface Engineering	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$457,000	13/11/2020
DP210100739	Mangrove sustainability on the Australian coast	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$450,000	13/11/2020
DP210100740	Life or death decisions: making fast, accurate choices in a complex world	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$532,789	13/11/2020
DP210100743	Stream Data Classification in the Age of 5G Networks	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$289,994	13/11/2020
DP210100772	A Century of Sex and the Australian Military, 1914-2020	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$264,435	13/11/2020
DP210100775	Rhizosphere priming regulates soil carbon cycle under high carbon dioxide	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$404,000	13/11/2020
DP210100795	Auger, Quantum Electro-Dynamics, Axions and New Technology	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$498,000	13/11/2020
DP210100804	Drivers and consequences of novel marine ecological communities	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$537,067	13/11/2020
DP210100812	Towards a balanced veiw of parental effects: gaps, biases and opportunities	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$421,510	13/11/2020
DP210100820	Biological diversification across Australia in space and time	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$471,685	13/11/2020
DP210100831	High Dimensional Computation and Uncertainty	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$630,000	13/11/2020
DP210100832	Beyond global discourses of data: Storying learning in marginalised schools	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$332,786	13/11/2020
DP210100834	Detecting change in the outlet glaciers of East Antarctica using seismology	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$622,270	13/11/2020
DP210100838	High Temperature, Piezoelectric Polymer Membranes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$277,874	13/11/2020
DP210100840	The Spectral Evolution of Ocean Swell	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$469,000	13/11/2020
DP210100849	Making Australian TV in the 21st Century	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$385,813	13/11/2020
DP210100858	Collective Engagement towards Social Purpose	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$295,000	13/11/2020
DP210100868	Male-male competition vs female choice: same-same or something different?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$378,087	13/11/2020
DP210100870	Augustus and the Roman Triumph: A Study in Creeping Authoritarianism	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$150,000	13/11/2020
DP210100873	Optimising One-Dimensional van der Waals Heterostructures	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$277,000	13/11/2020
DP210100879	Bioinspired Flexible Haptic Memory Materials for Artificial Sensory Nerves	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$381,238	13/11/2020
DP210100881	Pyrogenic carbon sequestration in Australian soils	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$401,000	13/11/2020
DP210100884	Understanding contested human-plant geographies for urban greening success	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$246,827	13/11/2020
DP210100900	A New Theory Of Good Arguing	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$167,720	13/11/2020
DP210100901	MOF-polymer 3D composites for liquid organic hydrogen carrier utilisation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$522,821	13/11/2020
DP210100904	Energy-Efficient Human-Sensing with Photovoltaic Internet-of-Things	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$340,295	13/11/2020
DP210100913	How positive interactions improve predictions of plant community diversity	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$470,000	13/11/2020
DP210100919	The Development of Quantum Gravity (1957-1988): The Great Divide.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$412,000	13/11/2020
DP210100924	Sharing the Wealth: Tax and Justice in The Slow Growth Era	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$309,000	13/11/2020
DP210100929	Understanding Statelessness in Australian Law and Practice	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$347,933	13/11/2020
DP210100931	Analysing interactions within the criminal deportation system	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$332,915	13/11/2020
DP210100936	Learning how people read: Models, brains, big data and maths	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$210,000	13/11/2020
DP210100940	Connecting Indigenous Community Photographies: a transnational case study	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$486,128	13/11/2020
DP210100951	Finite dimensional integrable systems and differential geometry	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210100956	How do plant roots align nitrogen uptake to soil opportunities?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$621,878	13/11/2020

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DP210100990	Machine Learning and Shape Optimisation of Fluid-Structure Interactions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$360,000	13/11/2020
DP210100998	Uncovering mechanisms of protein multifunctionality	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$638,000	13/11/2020
DP210101004	Shareholder voting at Australian annual general meetings	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$274,833	13/11/2020
DP210101019	The regulation of desire by bodily state	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$139,521	13/11/2020
DP210101025	Data-Driven Multistage Robust Optimization—the New Frontier in Optimization	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$400,000	13/11/2020
DP210101031	Motivating work teams: An emergence-based process model	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$335,985	13/11/2020
DP210101042	Building a visual world: how brain circuits create and use representations	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$492,586	13/11/2020
DP210101045	Ultrastretchable, Highly Transparent, Wearable Gold Nanowire Generators	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$477,520	13/11/2020
DP210101072	Violence, Risk and Safety: The Changing Face of Australian Criminal Laws	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$327,330	13/11/2020
DP210101084	The Cape honey bee and the origins of virgin birth	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$288,760	13/11/2020
DP210101093	Brain Robot Interface for Physical Human Robot Collaboration	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$451,737	13/11/2020
DP210101094	Dusty models of stellar outbursts triggered by stellar interactions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210101097	Improving young people's online safety when talking about suicide	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$452,898	13/11/2020
DP210101100	Gas Explosion Resistance of Non-Cement Based High Performance Concrete	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$318,441	13/11/2020
DP210101102	Spectral Theory of Hamiltonian Dynamical Systems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$310,000	13/11/2020
DP210101107	Grandparent childcare: negotiating work and care across generations	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$318,385	13/11/2020
DP210101117	Precarious Borders: The Nation-State and the Arab Diaspora Novel	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$112,914	13/11/2020
DP210101121	Pathways to Power: Australian Political Careers	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$350,480	13/11/2020
DP210101122	Efficient geotechnical risk management of rock cliffs	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$385,000	13/11/2020
DP210101126	An investigation into flagellotropic bacteriophage stability and biology	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$355,328	13/11/2020
DP210101135	Generating Knowledge from High-dimensional and Incrementally Acquired Data	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$396,000	13/11/2020
DP210101141	Humanitarian migrants' settlement in Australia: A longitudinal study	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$368,000	13/11/2020
DP210101146	High Quality Gallium Oxide for Power Electronics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$295,000	13/11/2020
DP210101152	Maternal contributions to offspring development in a changing climate	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$405,960	13/11/2020
DP210101156	Walking the city: Digital infrastructure for pedestrian mobility	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$347,000	13/11/2020
DP210101166	Social practices of oral health in Australian preschool children	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$660,000	13/11/2020
DP210101171	Primary teachers' adaptive expertise in interdisciplinary maths and science	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$291,422	13/11/2020
DP210101172	Sustainable high energy sodium batteries with enhanced safety & cycle life	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$651,162	13/11/2020
DP210101186	The Cartography of Peace: Security Zones, Colour Codes and Everyday Life	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$346,197	13/11/2020
DP210101195	Forecasting and Financing Healthy Ageing and Aged Care in Australia	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$386,139	13/11/2020
DP210101197	De-tabooing depression and anxiety: Mental health communication in old age	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$202,500	13/11/2020
DP210101201	Nuclear vibrations under scrutiny in near-spherical and deformed nuclei	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$679,000	13/11/2020
DP210101204	Economic policy when interest rates are zero	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$329,706	13/11/2020
DP210101214	Strengthening Australia's Domestic and Family Violence Workforce	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$275,017	13/11/2020

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DP210101217	Antipodean Geology: A Modern History of Southern Hemisphere Earth	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$555,576	13/11/2020
DP210101220	Cost-effective metal selenide materials for solid-state devices	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$416,578	13/11/2020
DP210101226	Parent involvement goes online: New ecologies of school-home relations	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$251,176	13/11/2020
DP210101228	Biologically Inspired Binaural Coupling for Selective Machine Hearing	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$477,000	13/11/2020
DP210101238	Avian embryonic perception: what role for good vibrations?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$426,483	13/11/2020
DP210101243	Conducting coatings for control and eradication of unwanted marine biofilms	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$445,451	13/11/2020
DP210101247	Physical musicality: Optimising lived experience among older adults	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$416,369	13/11/2020
DP210101249	Characterisation and Prevention of Vibration-Induced Drowsiness in Drivers	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$295,000	13/11/2020
DP210101258	Understanding and Addressing Everyday Sexisms in Australian Universities	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$214,024	13/11/2020
DP210101264	Playing it Safe: Psychological Safety and Mental Health for Community Sport	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$357,409	13/11/2020
DP210101268	Maximising accuracy and reliability of carbonate climate proxy archives	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,000	13/11/2020
DP210101269	Designing disorder into ionic materials for clean energy applications.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$470,000	13/11/2020
DP210101275	Care Leaver Activism & Advocacy: From Deficit Models To Survivor Narratives	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$345,083	13/11/2020
DP210101279	Do black holes exist?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$357,500	13/11/2020
DP210101280	Poly(amino acids) as immune stimulators.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$425,000	13/11/2020
DP210101281	Containment and Reduction of Rework in Transport Mega Projects	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$270,000	13/11/2020
DP210101292	Metaphotonics and metasurfaces for disruptive sensing technologies	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$673,399	13/11/2020
DP210101299	A New Way to Calculate Mixing and Burning in Stars	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$470,000	13/11/2020
DP210101302	Alt-right discourse and ideology in Australia and its threat to democracy	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$208,504	13/11/2020
DP210101312	X-ray Ghost Imaging and Tomography	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$369,000	13/11/2020
DP210101317	Eradicating bacterial biofilms with nitroxide-antimicrobial hybrids	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$458,000	13/11/2020
DP210101324	Global patterns of mammalian biodiversity loss over the last 50,000 years	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$391,000	13/11/2020
DP210101336	Robotic Perception with Unconventional Sensors	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$377,827	13/11/2020
DP210101337	Deciphering the molecular mechanisms of parasite-host interactions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$567,949	13/11/2020
DP210101347	Targeted Graph Embedding for Anomaly Detection in Large-scale Networks	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$368,810	13/11/2020
DP210101348	Learning to Pinpoint Emerging Software Vulnerabilities	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$300,000	13/11/2020
DP210101353	Topological Design of Mechanical Meta-Structures	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$394,287	13/11/2020
DP210101354	Financial performance, uncertainty and corporate investment decisions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$223,915	13/11/2020
DP210101358	Biofilm responses to cold atmospheric plasma	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$451,480	13/11/2020
DP210101360	Diatom silica production under future ocean conditions, genes to biomes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$531,000	13/11/2020
DP210101361	Novel inkjet-printed organic solvent nanofiltration membranes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$391,557	13/11/2020
DP210101367	Pushing the digital limits in quantum simulation for advanced manufacturing	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$659,755	13/11/2020
DP210101382	Extending the lifetime of switching power converters	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$348,503	13/11/2020

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DP210101389	Room-temperature sodium-sulfur batteries for large-scale energy storage	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$431,442	23/12/2020
DP210101391	Emerging transport technologies: finding new practices in urban governance	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$339,871	13/11/2020
DP210101393	Efficient and Scalable Similarity Query Processing on Big Streaming Graphs	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$510,000	13/11/2020
DP210101398	Increasing the efficiency and interpretability of stepped wedge trials	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,000	13/11/2020
DP210101411	Creating a Perceptive Mobile Network Using Joint Communication and Sensing	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$454,420	13/11/2020
DP210101414	A comparative sociocultural and bioethical study of uterus transplants	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$367,101	13/11/2020
DP210101416	Understanding the life and death of Mucosal-associated invariant T cells	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$434,588	13/11/2020
DP210101423	The evolution of the alternation of generations in land plants	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$518,000	13/11/2020
DP210101425	Geopolymer concrete for thin-walled structures in marine environment	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$325,000	13/11/2020
DP210101426	Building on rural knowledges to unlock the potential of rural students	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$467,340	13/11/2020
DP210101434	A theoretical framework for elder abuse to guide social work practice	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$210,721	13/11/2020
DP210101436	Hot Topic: Quantum Design of Phononic Heat Filters	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$315,000	13/11/2020
DP210101440	Statistical Analysis of State-Dependent Government Spending Multipliers	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$336,939	13/11/2020
DP210101451	From One Structure to Another for Improved Materials Design	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$470,000	13/11/2020
DP210101465	Learning deep resilient behaviour for uncertainty-aware autonomy	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$453,000	13/11/2020
DP210101466	Polymer Inclusion Membranes for Electrokinetic Sampling and Separation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$517,000	13/11/2020
DP210101467	A paradigm shift in understanding cognitive flexibility	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$493,123	13/11/2020
DP210101475	Unleashing the potential of VR: reducing sickness in head-mounted displays	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$199,000	13/11/2020
DP210101483	Tenants of the soil: adapting agricultural land ownership in Australia	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$171,488	13/11/2020
DP210101486	Batteries of the future-a new strategy for CO2 fixation and energy storage	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$492,255	13/11/2020
DP210101487	Stochastic Assessment of Terrorist Blast and Fragmentation Casualty Risks	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$703,561	13/11/2020
DP210101496	Sulfoxide Polymers - A New Paradigm in Polymer Design	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$472,000	13/11/2020
DP210101500	Targeted drug discovery against blood-feeding parasite nematodes of animals	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$445,250	13/11/2020
DP210101502	Proving the Landau-Ginzburg/Conformal Field Theory correspondence	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$395,311	13/11/2020
DP210101504	Probing the role of dynamics in protein modulation of GPCR phenotype	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$645,190	13/11/2020
DP210101511	Hearing the music of early New South Wales, 1788-1860	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$457,669	13/11/2020
DP210101517	Political Trust and Satisfaction with Democracy in Australia	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$443,218	13/11/2020
DP210101561	Sound Control Panels Made of Digital Acoustics Elements	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$395,949	13/11/2020
DP210101569	Experiments to quantify the geochemical behaviour of the precious metals	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$377,967	13/11/2020
DP210101572	Gaining control of the future: The cognitive development of foresight	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$273,850	13/11/2020
DP210101585	Harnessing molecular strain for drug discovery and bioconjugation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$380,000	13/11/2020
DP210101595	Coastal permeable sediments as a novel source of greenhouse gases	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$671,476	13/11/2020

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DP210101600	Unravelling soil carbon response to warming in fire-affected ecosystems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$450,000	13/11/2020
DP210101604	Evidence-making and implementing interventions in a viral elimination era	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$536,462	13/11/2020
DP210101608	Topological superconductivity and spin electronics in silicon and germanium	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$580,000	13/11/2020
DP210101610	Do marine heat waves cause pathogen outbreaks in Australian coastal waters?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$598,900	13/11/2020
DP210101623	Albrecht Dürer's Material World – in Melbourne, Manchester and Nuremberg	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$311,681	13/11/2020
DP210101630	A general theory for ecological trait-strategy dimensions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$544,087	13/11/2020
DP210101632	Metal Virulence and Therapeutic Factors in Pathogen Bioinorganic Chemistry	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$600,000	13/11/2020
DP210101636	Electroweak phase transition: A cosmological window to new particle physics	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$426,000	23/12/2020
DP210101639	Teaching Main Group Compounds to Activate Catalytically Relevant Bonds	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$480,000	13/11/2020
DP210101643	Problem Gambling: effects on families, children and spouses	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$215,315	13/11/2020
DP210101645	High-efficient abrasive waterjet machining of complex curved surfaces	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$395,000	23/12/2020
DP210101650	Changes in the ocean's biological pump: innovative models and diagnostics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$426,000	13/11/2020
DP210101651	Harnessing genuine quantum nonlocality	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$600,000	13/11/2020
DP210101652	Transport and impurity dynamics in a unitary Fermi gas	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$428,000	13/11/2020
DP210101668	Deep Timetable: A Noongar Rail History	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$395,838	13/11/2020
DP210101680	Investigating the Pumpability and Extrudability of Concrete for 3D Printing	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$250,000	13/11/2020
DP210101682	Intelligent Virtual Human Companions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$745,669	13/11/2020
DP210101688	Banking System Competition and the Macro-economy	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$287,304	13/11/2020
DP210101691	Multisensory perception in active observers	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$503,000	13/11/2020
DP210101698	Fluid Transport in Materials of Nanoscale Dimensions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$240,000	13/11/2020
DP210101705	Decoding germination defects that threaten global wheat production	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$423,650	13/11/2020
DP210101712	Corpus callosum function in decision making	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$558,105	13/11/2020
DP210101720	Mechanisms and Platforms for Acoustomicrofluidic Intracellular Delivery	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$450,000	13/11/2020
DP210101723	Robust Preference Inference from Spatial-Temporal Interaction Networks	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,000	13/11/2020
DP210101727	Improving responses to sexual violence against children in Papua New Guinea	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$468,434	13/11/2020
DP210101738	Watching evolution in action using transitional forms of lizard pregnancy	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$514,943	13/11/2020
DP210101745	Bronzes of Xinjiang: technology, society and power on the road to China	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$596,789	13/11/2020
DP210101752	Understanding peptide bond formation in non-ribosomal peptide biosynthesis	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$360,000	13/11/2020
DP210101755	Identification of Biological pathways regulated by circular RNAs	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$504,850	13/11/2020
DP210101757	Combining new synthetic biology tools to boost crop CO2 capture and growth	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$561,428	13/11/2020
DP210101758	Crystal engineering of membranes for chiral separation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$466,420	13/11/2020



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DP210101784	Enlightening single rare-earth atoms in scanning-tunnelling microscopy	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$599,000	13/11/2020
DP210101787	Cognitive Foundations of Fast Decision Making	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$313,000	13/11/2020
DP210101791	Viral and host RNA methylation in mosquitoes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$362,934	13/11/2020
DP210101792	Bioprogramming the behaviour of nanoparticles in live cells by nanoscopy	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$401,955	13/11/2020
DP210101798	Analysis of asteroid samples returned by Hayabusa 2 and Osiris-REx	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$450,000	13/11/2020
DP210101802	EnzOnomy - an enzyme-based production pipeline for the bioeconomy	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$690,000	13/11/2020
DP210101806	Unravelling the complexities of cell death pathways	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$680,850	13/11/2020
DP210101812	Justice in the Streets? Responses to Public Homelessness and Public Dissent	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$196,522	13/11/2020
DP210101827	To focus on pain or not to focus: WHEN is the question.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$506,237	13/11/2020
DP210101849	Hydrosocial Adapataions to Water Risk in Australian Agriculture	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$217,656	13/11/2020
DP210101857	Steerable Multi-Beam Leaky Wave Antennas for Wireless Communications	Discovery Projects	1/10/2020	Not Approved	9/12/2020	23/12/2020		
DP210101859	DeepHoney: Automatic Honey Data Generation for Active Cyber Defence	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$480,000	13/11/2020
DP210101862	New biocompatible titanium alloys for next-generation metallic biomaterials	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$480,600	13/11/2020
DP210101863	Biophysics-informed deep learning framework for magnetic resonance imaging	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$518,700	13/11/2020
DP210101866	Nanoscale repositories of the geological record of Earth and other planets	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$332,000	13/11/2020
DP210101875	RNA structure prediction by deep learning and evolution-derived restraints	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$570,000	13/11/2020
DP210101883	Macroecology of reptiles and frogs over latitudinal and temporal gradients	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$549,841	13/11/2020
DP210101887	Dispersal and recruitment of species across landscapes: a new synthesis	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$563,000	13/11/2020
DP210101892	A scalable, synthetic retina: signal processing in droplet systems with DNA	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$488,914	13/11/2020
DP210101900	Light new particles at electron-positron colliders	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$475,000	13/11/2020
DP210101904	Chiral synthetic macromolecules - control of sequence and stereochemistry	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$380,000	13/11/2020
DP210101913	Constructing robust climate proxies to explore human and primate evolution	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$343,086	13/11/2020
DP210101915	Artificial light at night as a driver of evolutionary change	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$506,549	13/11/2020
DP210101920	Multiscale models in immuno-epidemiology	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210101923	Innovative statistical methods for analysing high-dimensional counts	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$410,000	13/11/2020
DP210101932	Saving seagrass from climate change	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$517,000	13/11/2020
DP210101934	A dynamic model of work-related effort, recovery, and affective well-being	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$294,367	13/11/2020
DP210101938	Robust Coherent Control Engineering for Quantum Systems and Networks	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$500,097	23/12/2020
DP210101945	"Beacons in the Night" unveiling how galaxies light up dark matter	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$645,000	13/11/2020
DP210101957	Single-session Introduction of Mutations in Parallel Lines (SIMPL)	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$683,341	13/11/2020
DP210101959	Why ocean deserts matter: Phytoplankton productivity in oligotrophic waters	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$387,000	13/11/2020

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DP210101960	The coming of the dingo and its interaction with Indigenous Australians	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$467,536	13/11/2020
DP210101965	Gravity Current Driven Smoke Dispersion In a Stratified Ambient	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$250,000	13/11/2020
DP210101977	Neurophysiological predictors of brain stimulation outcomes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$558,374	13/11/2020
DP210101978	A System Behavioral Approach to Big Data-driven Nonlinear Process Control	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$449,440	13/11/2020
DP210101981	Opening Australia's Multilingual Archive	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$949,564	13/11/2020
DP210101983	The impact of gambling advertising, promotions, and sponsorship on children	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$284,000	13/11/2020
DP210101984	Adaptive Key-value Store for Future Extreme Heterogeneous Systems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$450,000	13/11/2020
DP210102002	The precarious city: the suburban settlement in an age of uncertainty	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$348,000	13/11/2020
DP210102015	Big data: implications for competition, privacy and regulation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$266,000	13/11/2020
DP210102020	An efficient optical interconnect for superconducting quantum computers	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$515,000	13/11/2020
DP210102021	Equitable funding for health care: integrating social outcomes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$522,121	13/11/2020
DP210102027	Multiplexed surface signals to inhibit mixed bacterial biofilm formation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$495,000	13/11/2020
DP210102044	A Cultural and Intellectual History of Automated Labour	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$350,173	13/11/2020
DP210102050	Multidimensional Coherent Spectroscopy of Strongly Correlated Materials	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$410,000	13/11/2020
DP210102061	A new lapping process for difficult-to-machine brittle materials	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210102073	Short- and long-term corrosion of steels in highly calcareous seawaters	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$405,000	13/11/2020
DP210102076	Multi-Country Study on Health Effects of Bushfire Air Pollution	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$466,964	13/11/2020
DP210102081	Multitrophic interactions drive diversity-ecosystem function relationships	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$555,000	13/11/2020
DP210102085	Seeing is believing: Microscopy-capable single-molecule bioelectronics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$450,000	13/11/2020
DP210102089	Sustainable mobility: city-wide exposure modelling to advance bicycling	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$422,000	13/11/2020
DP210102099	Unravelling a canonical mitochondrial stress response pathway	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$545,000	13/11/2020
DP210102103	Solving the mystery of ultra luminous fast radio burst emission	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$355,000	13/11/2020
DP210102107	How the brain generates robust behaviour in noisy sensory environments	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$729,467	13/11/2020
DP210102116	Regions undergoing transition: the roles of unions and their peak bodies	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$492,609	13/11/2020
DP210102119	Nanoscale Dynamics and Structure of SAILs at Electrodes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$520,000	13/11/2020
DP210102133	Continuous Reaction Networks that Model Chemical Evolution of RNA	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210102134	Genetic, Cellular and Molecular Analysis of Cardiac Ventricular Septation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$804,100	13/11/2020
DP210102145	Microwave photonics and photonic integration for advanced sensing	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$405,000	13/11/2020
DP210102148	Visualising molecular level detail in single cells and intact tissues	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$425,000	13/11/2020
DP210102150	Pioneering stable copper carbanions for new C-C bond forming paradigms	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210102155	Predicting concentration-gradient-driven liquid transport in 2D membranes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$330,000	13/11/2020
DP210102168	Demographic and evolutionary inferences from large, whole-genome datasets	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$405,816	13/11/2020

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DP210102169	Drone-based Communications for High-speed Beyond 5G Wireless Systems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$504,751	13/11/2020
DP210102172	Dissecting non-equilibrium effects in wall turbulence	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$465,000	13/11/2020
DP210102176	Skin Microbes and Animal Health: Understanding the Ecological Context	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$450,000	13/11/2020
DP210102178	Ascorbate and glutathione integrate the control of grapevine development	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$270,304	13/11/2020
DP210102180	CRISPR-based pathway activation for bioactive molecule discovery in fungi	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$543,738	13/11/2020
DP210102181	Effective privacy protection for smart metering data on cloud	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$480,000	13/11/2020
DP210102183	Economics of Biased Beliefs: Implications for Diversity Gaps in Workplaces	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$276,611	13/11/2020
DP210102187	Molecular adaptation of photosynthesis powered by long-wavelength light	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$509,000	13/11/2020
DP210102192	Pathways for performance improvements of organic light emitting diodes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$460,000	13/11/2020
DP210102193	Reducing the energy consumed by lighting with gaze-dependent illumination	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$111,689	13/11/2020
DP210102196	The link between cratonic roots, redox state, and mantle geodynamics.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$375,000	13/11/2020
DP210102215	Carbon-free Energy Storage and Conversion Using Ammonia as a Mediator	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$573,778	13/11/2020
DP210102218	Emergent cues underlying the perception of shape, colour, and material	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$365,000	13/11/2020
DP210102224	Catastrophic Rock and Concrete Brittle Failures	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$280,000	13/11/2020
DP210102225	Determining how the soluble dietary fibre beta-glucan is made in cereals	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$491,691	13/11/2020
DP210102239	Novel Techniques for Uncoordinated Massive Access in the Internet of Things	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$400,000	13/11/2020
DP210102243	Free parafermions: a challenge for non-Hermitian physics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$310,000	13/11/2020
DP210102246	Pattern formation of precursor films: a new mathematical model	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$225,000	13/11/2020
DP210102247	Improving middle leading practices in schools to enhance student learning	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$372,433	13/11/2020
DP210102250	Earliest Village People: the shift to sedentary life in the Natufian period	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$158,669	13/11/2020
DP210102254	A Conceptual History of Australian National Security since 1901	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$223,353	13/11/2020
DP210102267	Predicting genetic exchange between species under climate change	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$504,000	13/11/2020
DP210102273	Deep Learning for Graph Isomorphism: Theories and Applications	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$407,167	13/11/2020
DP210102275	Evolution and role of neo-sex chromosomes in mitonuclear co-evolution	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$400,000	13/11/2020
DP210102277	Development of Unprecedented Aluminosilicate Adjuvants	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$360,000	13/11/2020
DP210102288	Airfoil Noise Control in Complex Turbulence	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$480,000	13/11/2020
DP210102291	When quantum is not desirable: quantum noise vs. quantum technologies	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$360,000	13/11/2020
DP210102292	The psychology of understanding and reducing conspiracy beliefs	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$282,000	13/11/2020
DP210102294	Medium voltage DC: Enabling active, flexible and efficient power networks	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$424,009	13/11/2020
DP210102296	Governing solar radiation management research, development and deployment	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$246,805	13/11/2020

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DP210102314	Networks in Flux: Examining how sector relationships adapt to rapid change	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$506,000	13/11/2020
DP210102321	Price Transparency, Search, and Collusion in Markets	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$311,801	13/11/2020
DP210102342	Epigenetic regulation of genomic stability and inheritance	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$517,138	13/11/2020
DP210102343	Extinction of conditioned responding: Learning from the evidence of absence	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$590,356	13/11/2020
DP210102346	Topotactic Control of Magnetism in Multiferroic and Skyrmion Materials	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$437,000	13/11/2020
DP210102351	Toward an understanding of whether and how humility reduces anger	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$308,404	13/11/2020
DP210102356	New Systems for High Rise Steel Structures in Rising Factory Construction	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$295,010	13/11/2020
DP210102358	Deciphering new regulators of lipid metabolism: a focus on lipid droplets	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$678,833	13/11/2020
DP210102373	Trajectories of Wrongful Conviction and Pathways to Exoneration	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$257,440	13/11/2020
DP210102378	Human hippocampus subregions organisation and associative memory processes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$382,865	13/11/2020
DP210102385	How and why cells decorate their genetic messages	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$746,020	13/11/2020
DP210102386	Uncovering New Physics with Advances in the Cosmic Microwave Background	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$540,000	13/11/2020
DP210102405	Uncovering the molecular mechanisms of potassium channel activity.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$438,500	13/11/2020
DP210102406	Evolutionary models and biodiscovery tools from neurotoxic snake venoms	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$598,000	13/11/2020
DP210102409	Detecting Asynchronous Event-Driven Order Violations in Android Apps	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$315,000	23/12/2020
DP210102425	A new class of sodium channel toxin from ant venoms	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$393,248	13/11/2020
DP210102436	Democratic Resilience: The Public Sphere and Extremist Attacks	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$511,809	13/11/2020
DP210102442	Laser emission at the limit of glass transparency using nanocrystal doping	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$524,000	13/11/2020
DP210102445	Submerged Histories: Memory Activism in Indonesia and the Netherlands	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$231,069	13/11/2020
DP210102447	Context-aware verification and validation framework for autonomous driving	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$448,958	13/11/2020
DP210102449	Coupling Techniques for Reasoning about Quantum Programs	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$405,000	13/11/2020
DP210102454	Design of Real-time Optimisation Methods with Guaranteed Performance	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$405,000	13/11/2020
DP210102463	How can cultural innovations trigger the emergence of new diseases?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$400,000	13/11/2020
DP210102473	How does environmental enrichment affect brain development?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$520,145	13/11/2020
DP210102478	Connecting Asia-Pacific Literary Cultures: Grounds, Encounter and Exchange	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$367,341	13/11/2020
DP210102480	Promissory Democratic Representation: Campaign Promises in Australia	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$254,017	13/11/2020
DP210102493	Understanding algal bloom microbiome function to improve seafood safety	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$450,000	13/11/2020
DP210102495	Unlocking Earth's inner secrets in deep time using palaeointensities	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$525,000	13/11/2020
DP210102499	Innovative composite systems with enhanced resilience to extreme loads	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$381,244	13/11/2020
DP210102508	Social Infrastructure in a Society of Captives	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$258,791	13/11/2020

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DP210102512	Hybrid Exciton-polariton Lasers based on 2D Organic-Inorganic Materials	Discovery Projects	1/10/2020	Not Approved	9/12/2020	23/12/2020		
DP210102513	Beyond Scenarios: Testable Models of the Evolution of Norms	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$241,890	13/11/2020
DP210102521	A perimeter defence in Australian processionary caterpillars	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$357,136	13/11/2020
DP210102526	Understanding bacteriophage deactivation and stabilisation in formulations	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$540,762	13/11/2020
DP210102531	Carbon dioxide in water nanoemulsions for carbon sequestration	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$400,000	13/11/2020
DP210102540	Understanding the Origin and Development of Extreme and Mega Bushfires	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$590,000	13/11/2020
DP210102546	Activity-based chemogenetics: a novel approach to modulating brain function	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$655,854	13/11/2020
DP210102554	Multiferroic Skyrmion Materials for Next Generation Nanoelectronics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$240,000	13/11/2020
DP210102561	Role of modulating water wave groups in enhancing air-water fluxes.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$465,992	13/11/2020
DP210102575	Identifying critical thresholds to prioritise lake restoration	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210102576	The role of phospholipids in the biogenesis of lipid droplets	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$541,000	13/11/2020
DP210102580	High Performance Monolithic Perovskite Photocapacitors	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$370,000	13/11/2020
DP210102585	The other democracy: Medes in the Iron Age	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$179,888	13/11/2020
DP210102593	Ecological forecasts of species response to fire, drought and heatwaves	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$371,000	13/11/2020
DP210102595	A role for sleep in optimising attention	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$397,000	13/11/2020
DP210102600	When stabilization and optimization meet: a codesign approach	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$493,000	13/11/2020
DP210102607	Exploiting the Symmetry of Spatial Awareness for 21st Century Automation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$523,724	13/11/2020
DP210102611	Reshaping the landscape of bank monitoring and risk disclosures	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$496,288	13/11/2020
DP210102625	The structure and geochemistry of mineral interfaces in Earth's mantle	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$388,000	13/11/2020
DP210102645	Developing the dunnart as a marsupial model for conservation research	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$618,200	13/11/2020
DP210102658	Mechanism and function of cell asymmetry during cell death	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$497,748	13/11/2020
DP210102663	Imitation learning in infancy	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$508,256	13/11/2020
DP210102670	Intelligent Technologies for Smart Cryptography	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$480,000	13/11/2020
DP210102672	Investigating the role of Zona Incerta RXFP3+ cells in learning and memory	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$519,615	13/11/2020
DP210102674	Fine-grained Human Action Recognition with Deep Graph Neural Networks	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$444,416	13/11/2020
DP210102677	Encapsulation beyond microplastics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$315,000	13/11/2020
DP210102688	Peer Review of Financial Regulatory Agencies	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$212,000	13/11/2020
DP210102689	Beyond Darcy's Law: Influence of wettability on multiphase flow in rocks	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$315,437	13/11/2020
DP210102694	Designing a photo-electro-catalysis system for selective organic oxidation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$521,318	13/11/2020
DP210102698	Understanding how nanoconfinement can enhance electrochemical reactions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210102700	Mechanisms of memory integration in brain systems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$378,205	13/11/2020
DP210102704	Decoding the spatiotemporal control of DNA replication and repair	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$472,000	13/11/2020
DP210102705	Differentiation of effector and tissue regulatory T cells	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$520,363	13/11/2020
DP210102707	Search for physics beyond the Standard Model in penguin decays	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$450,000	13/11/2020
DP210102712	Neurovascular pericytes in development and brain regeneration	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$664,800	13/11/2020
DP210102714	Engineering alloy design reimaged as a driven system	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$335,000	13/11/2020
DP210102730	Can altered sugar sensing improve crop productivity?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$468,000	13/11/2020

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DP210102739	Waiet: Archaeology of a Torres Strait Islander ritual pathway	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$342,871	13/11/2020
DP210102745	Quantifying vertical and lateral ocean transport due to fronts and eddies	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$772,031	13/11/2020
DP210102747	Advanced data-driven battery models and architectures for resilient grids	Discovery Projects	1/10/2020	Not Approved	9/12/2020	23/12/2020		
DP210102750	Diamond electrodes for bimodal cellular control	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$440,000	13/11/2020
DP210102761	Constraint-based Privacy Preserving BioSignal Data Management on Blockchain	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$450,000	13/11/2020
DP210102781	Nanoengineering materials to combat antimicrobial resistance	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$412,269	13/11/2020
DP210102782	Skills, productivity, and wages: Theory and evidence	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$240,498	13/11/2020
DP210102784	Lifetime Approach to Measuring Inequality in Living Standards in Australia	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$219,000	13/11/2020
DP210102789	Beyond Segments: Towards a lexical model for tonal bilinguals	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$206,078	13/11/2020
DP210102791	Food and beverage price promotions: An untapped policy target	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$355,000	13/11/2020
DP210102798	A Generic Framework for Verifying Machine Learning Algorithms	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$361,000	13/11/2020
DP210102801	Automatic Training Data Search and Model Evaluation by Measuring Domain Gap	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$506,671	13/11/2020
DP210102806	Dual-ion electrochemical systems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,000	13/11/2020
DP210102828	Investigating a novel signalling pathway for crop improvement	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$509,000	13/11/2020
DP210102831	Investigation of New Physics via matter-antimatter asymmetries	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$405,000	13/11/2020
DP210102833	Vulnerability of Steel Lattice Towers to Fire	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$324,603	13/11/2020
DP210102836	How free is free?: word order in Australian Indigenous languages	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$321,616	13/11/2020
DP210102837	Molecular mechanisms determining the lipid composition of synapses	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$493,720	13/11/2020
DP210102840	Uncovering New Mechanisms of Metabolite-Sensing and Signaling	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$471,968	13/11/2020
DP210102843	Decoding Revisionist Challenges to the International Institutional Order	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$136,490	13/11/2020
DP210102887	Expanding and linking random matrix theory	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$507,648	13/11/2020
DP210102896	Deep-sea coral records of Southern Ocean climate and nutrient dynamics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$455,000	13/11/2020
DP210102901	Enhancing passive cooling using flexible baffles	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$300,000	23/12/2020
DP210102904	Comparative biosecurity informatics to anticipate invasive species threats	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$342,367	13/11/2020
DP210102911	Non-invasive and safe human-machine interface (HMI) systems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$334,055	13/11/2020
DP210102916	Reducing the harms associated with conscientious objection to abortion	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$285,385	13/11/2020
DP210102924	Individualised predictions of circadian timing, sleep, and performance	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$552,254	13/11/2020
DP210102928	3D printed microchemical devices and systems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$300,000	13/11/2020
DP210102931	Unravelling the role of heteroplasmy in mitochondrial adaptation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$470,000	13/11/2020
DP210102939	Evolutionary Framework for High Dimensional Problems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$754,000	13/11/2020
DP210102943	THE MATERNAL GUT MICROBIOTA DRIVES FOETAL THYMIC T CELL DEVELOPMENT	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$451,750	13/11/2020
DP210102950	High-Temperature Proton-Conducting Composite Membrane for Advance Fuel Cell	Discovery Projects	1/10/2020	Not Approved	9/12/2020	23/12/2020		
DP210102954	Keeping Kinship in Mind	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$329,328	13/11/2020
DP210102960	The colour of cellular aging: a deep probe of cellular processes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$502,851	13/11/2020
DP210102970	Unifying Traffic Modelling and Safety Management for Safer and Faster Roads	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$368,488	13/11/2020
DP210102981	Resolving the archaeological enigma of Indonesia's 'Toalean' culture	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$597,284	13/11/2020

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DP210102984	The role of HP1 alpha dimerisation in maintaining chromatin structure	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$402,900	13/11/2020
DP210102998	Macrophage control of mammalian growth and development	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$564,601	13/11/2020
DP210103002	Service Provisioning for the Internet of Things in Mobile Edge Computing	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210103006	Stretchable Organic Transistors for Wearable Electronics and Robotics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$360,000	13/11/2020
DP210103010	Australia's native sorghums: a model for testing plant adaptation theories	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$436,000	13/11/2020
DP210103017	Organising Intracellular Compartments by Formation of Transport Carriers.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$549,000	13/11/2020
DP210103025	Novel H2 production technology using brown coal for clean power generation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$370,552	13/11/2020
DP210103050	Drivers of the live pet trade in Australian reptiles	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,851	13/11/2020
DP210103053	Hydrogen atom abstraction and addition via proton coupled electron transfer	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$300,000	13/11/2020
DP210103056	Structural and functional studies of Helicobacter pylori flagellar motor	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$564,750	13/11/2020
DP210103064	CD1C-LIPID-REACTIVE T CELLS	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$489,715	13/11/2020
DP210103065	Signaling in the crypt: a novel metabolic pathway in intestinal stem cells	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$472,496	13/11/2020
DP210103072	Unravelling the mysteries of turbulent drag at the air-sea interface	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,000	13/11/2020
DP210103074	Defining the molecular switches that govern discrete cellular fates	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$421,362	13/11/2020
DP210103078	From energy stress to hormones: new signals in bacteria and plants	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$462,459	13/11/2020
DP210103079	Mechanical modulation of particle-cell interactions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$545,307	13/11/2020
DP210103081	Elliptic Schubert Calculus	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$400,000	13/11/2020
DP210103091	Dynamic assessment of threats to marine megafauna in face of global change	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$443,798	13/11/2020
DP210103092	Interface-aware numerical methods for stochastic inverse problems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$475,000	13/11/2020
DP210103094	Identification Power and Instrument Strength in Discrete Outcome Models	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$354,093	13/11/2020
DP210103103	Reliability and design of 3D printed metal structures	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$408,164	13/11/2020
DP210103114	Impact of Biological Coatings on Nanoparticle–Immune Cell Interactions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$676,622	13/11/2020
DP210103119	Unveiling missing physics: looking inside stars with NASA's TESS Mission	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210103122	Deciphering novel cross-talk between innate cytokine receptors	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$923,150	13/11/2020
DP210103126	Metal-support interactions: single atoms Vs nanoclusters	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$300,000	23/12/2020
DP210103131	A predictive framework for the flow control of environmental roughness	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$370,000	13/11/2020
DP210103136	Connections in low-dimensional topology	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$355,000	13/11/2020
DP210103138	Quantifying Ethics-related Metrics for Transport Network Systems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$516,500	13/11/2020
DP210103151	Single molecule sensing on nanopillars: Reading complex molecular circuits	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$340,057	13/11/2020
DP210103160	Miniaturised biosensors with high selectivity	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$539,765	13/11/2020
DP210103162	Improvement of Additive Manufacturing Processability of Alloys and Ceramics	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$490,000	13/11/2020
DP210103174	Next generation enzymes using stimuli responsive protein/polymer hybrids	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,000	13/11/2020
DP210103177	Cortical layers: examining the role of feedback in human visual perception.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$375,000	13/11/2020

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DP210103186	On the physiology of plant transpiration	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$481,000	13/11/2020
DP210103203	The Contribution of Tropical Cyclones to the Earth Energy Budget.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$373,000	13/11/2020
DP210103206	Fluid-Structure Interactions in Flows through Flexible-Walled Channels	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$308,000	13/11/2020
DP210103208	Extracting the 4f-wavefunction of rare earth magnets from X-ray diffraction	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$330,000	13/11/2020
DP210103227	Can animal dispersal inform fire management for species conservation?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$417,000	13/11/2020
DP210103233	Functional analysis of long noncoding RNAs expressed in the brain	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$649,910	13/11/2020
DP210103239	Nowcasting outbreaks leveraging genomic and epidemiological data	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$256,889	13/11/2020
DP210103242	Singular spaces in analysis and geometry	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$395,000	13/11/2020
DP210103258	Mitochondrial Biogenesis and Signalling in Plants	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$476,000	13/11/2020
DP210103263	The macrophage nucleus - its form and function during migration in vivo	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$389,962	13/11/2020
DP210103266	Recyclable and Rechargeable All-Solid-State Sodium Ion Batteries	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$562,309	13/11/2020
DP210103272	Digitally networked dynamical systems: Performance and robustness analysis	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$350,000	13/11/2020
DP210103278	High speed multi-channel discharge machining of difficult-to-cut materials	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$360,000	23/12/2020
DP210103284	Aerosol glassy states promote global warming, airborne toxins and pathogens	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$351,000	13/11/2020
DP210103296	Discovery of Novel Bacteriophage with the Capacity to Modulate Gut Bacteria	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$536,190	13/11/2020
DP210103304	Estimating the Topology of Low-Dimensional Data Using Deep Neural Networks	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$411,000	13/11/2020
DP210103307	Next generation nondestructive inspection using guided-wave mixing	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$440,624	13/11/2020
DP210103318	Design of Non-Equilibrium Architectures: Leveraging High Entropy Materials	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$525,000	13/11/2020
DP210103319	Optimal Tax Policy Meets Modern Labour Supply Theory	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$1,503,914	13/11/2020
DP210103323	A new energy absorption system for brain injury mitigation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$392,801	13/11/2020
DP210103327	Investigating gamma/delta T cell receptor recognition determinants	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$721,970	13/11/2020
DP210103342	Interaction of light with tissues: A hyper-spectral approach	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$473,712	13/11/2020
DP210103349	Understanding the mechanisms underpinning complex sociality	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$340,576	13/11/2020
DP210103351	Defining how molecular switches program cell identity during development	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$613,035	13/11/2020
DP210103352	Reducing global tourism carbon emissions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$401,523	13/11/2020
DP210103357	Promoting transition metal complex catalysis with plasmonic antennae	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$284,000	13/11/2020
DP210103361	Harnessing sperm dynamics in microfluidic sorting technologies	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$344,301	13/11/2020
DP210103369	The ecological impact of large carnivore restoration	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$391,000	13/11/2020
DP210103374	Mechanism of secretion of large clostridial toxins	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$633,006	13/11/2020
DP210103383	Subsurface Atomic Force Microscopy using Dual Probes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$210,000	13/11/2020
DP210103388	Viral allies: shedding light on beneficial insect viruses.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$509,400	13/11/2020
DP210103397	Moduli, invariants, and algebrisation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$345,000	13/11/2020
DP210103401	Safer gene editing tools for Australian livestock and biotech industries	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$474,063	13/11/2020
DP210103410	Wireless Cellular Connectivity for Large Scale Critical Applications	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,000	13/11/2020



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DP210103425	New catalytic alkyne cyclisation strategies for complex molecule synthesis	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$230,000	13/11/2020
DP210103427	Distorted Beliefs and Asset Price Disconnect Puzzles	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$168,189	13/11/2020
DP210103428	Nano-optics and ultra-thin materials for an infrared spectrometer-on-a-chip	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$403,882	13/11/2020
DP210103430	Attention vs Perception: When is selection optimal, when relational?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$240,193	13/11/2020
DP210103446	Mothers' little helper: Alcohol use in working mothers	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$268,184	13/11/2020
DP210103460	Nature futures: mapping pathways to prosperity for people and nature.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$770,971	13/11/2020
DP210103469	Microglia and the inflammation spectrum - not just good or bad	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$416,000	13/11/2020
DP210103471	The financialisation of older persons residential parks and rental villages	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$291,012	13/11/2020
DP210103476	A unified approach to the design of minimum length networks	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$385,000	13/11/2020
DP210103484	When, why, and how well do we regulate other people's emotions?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$389,000	13/11/2020
DP210103491	Decoding tissue-specific components of cereal grain development	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$540,168	13/11/2020
DP210103501	Shaping the vertebrate brain: defining the cellular and genetic drivers	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$343,081	13/11/2020
DP210103512	Evolution and function of mammalian sex chromosomes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$812,340	13/11/2020
DP210103523	Dynamic Properties of Mechanical Metamaterials: Optimization and Experiment	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210103539	A Self-Repairing Entropy-Stabilized Oxide as a Protective Coating	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,000	13/11/2020
DP210103549	Gendering Peace Mediation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$396,142	13/11/2020
DP210103565	Smart Pipe Condition Assessment in Water Distribution Systems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$447,000	13/11/2020
DP210103593	Effective and Efficient Data Quality Management for Data Lakes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$391,023	13/11/2020
DP210103595	Engineer enzyme nanoparticles as antibiotic alternatives for agriculture	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$293,564	23/12/2020
DP210103610	Role of Pasteurella surface polysaccharides in pathogenesis and immunity	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$737,180	13/11/2020
DP210103621	Back to the Future: Interglacial Warming and the West Antarctic Ice Sheet	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$590,000	13/11/2020
DP210103628	Reimagining Judging in International Criminal Courts: A Gendered Approach	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$346,555	13/11/2020
DP210103629	IDENTIFYING CONTROL ELEMENTS IN CHLOROPLAST GENE EXPRESSION	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$489,000	13/11/2020
DP210103631	AI Assisted Probabilistic Structural Health Monitoring with Uncertain Data	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$355,331	13/11/2020
DP210103638	Novel cell wall genes ripe for the picking.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$555,000	13/11/2020
DP210103654	Force-mediated dynamic chemistry in hydrogels	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$428,914	13/11/2020
DP210103656	Functionally Graded Ultra High Performance Concete Structure under Flexure	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$470,414	13/11/2020
DP210103663	Soft-Rigid Bonded Granular Mixes: Particle Scale Study to Field Predictions	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$320,000	13/11/2020
DP210103690	Remaking Post-industrial Plans: Urban Industrial Zoning Past and Future	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$182,747	13/11/2020
DP210103700	Mathematical modelling of information flow in social networks	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210103704	Urban flood modelling at speed and scale	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$390,000	13/11/2020
DP210103706	Emergent Phenomena in the Foundation of Matter	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$535,000	13/11/2020
DP210103715	Oxygenation history of the Earth and the evolution of complex life	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$415,000	13/11/2020
DP210103727	Mineral transformation and oxidant production in subsurface environments	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$400,000	13/11/2020

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DP210103736	Creating evidence-based public open space standards for apartment residents	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$254,000	13/11/2020
DP210103740	The jugular vagal sensory connectome regulating visceral function.	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$417,000	13/11/2020
DP210103744	Harnessing genetic diversity for complex traits	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$629,347	13/11/2020
DP210103766	Mechanisms of Ammonia (NH3) Combustion and Nitrogen Oxides (NOx) Formation	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$567,579	23/12/2020
DP210103769	Quantum sensing from the bottom up with engineered semiconductor devices	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$804,269	13/11/2020
DP210103779	Unravelling cell wall polysaccharide biosynthesis in pathogenic zygomycetes	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$503,315	13/11/2020
DP210103780	Collective action and collaborative governance in crisis situations	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$844,628	13/11/2020
DP210103787	Beyond green facades: integrating ecology and architecture	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$427,000	13/11/2020
DP210103790	User-centric solutions to optimise safety of children in cars	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$536,519	13/11/2020
DP210103791	Central Representation of Electroacoustic Stimuli	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$952,200	13/11/2020
DP210103808	Dynamic DNA structure states and memory formation	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$464,575	13/11/2020
DP210103811	Gene regulation by retroelement encoded natural antisense transcripts	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$912,619	13/11/2020
DP210103816	Engineering improved and multifunctional gene editing systems	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$488,772	13/11/2020
DP210103825	The Illustrated Literature of Papunya and Strelley, 1979-1998	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$383,814	13/11/2020
DP210103827	Encoding Interactions and Printability into Hairy Colloidal Biomaterials	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$472,248	13/11/2020
DP210103849	Improved algorithms via random sampling	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$435,346	13/11/2020
DP210103865	Decoding neuronal populations for visually-guided decision and action	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$582,779	13/11/2020
DP210103869	My enemy's enemy is my friend: The genetics of major plant pathogen killers	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$525,000	13/11/2020
DP210103873	Bayesian inference for psychological theories with intractable likelihood	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$378,500	13/11/2020
DP210103877	Theoretical Foundations of Ethical Machine Learning	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$659,083	13/11/2020
DP210103881	Bacterial vesicles transport their bioactive cargo to the host nucleus	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$429,700	13/11/2020
DP210103885	Understanding telomere privilege in pluripotent stem cells	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$555,892	13/11/2020
DP210103888	Understand ion-specific effects under nanoconfinement by multiscale models	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$399,016	13/11/2020
DP210103889	Enabling Situated Immersive Science Collaboration with Remote Sensing Data	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$501,000	13/11/2020
DP210103892	Advanced electrocatalysts for ammonia synthesis with validated analysis	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$430,000	13/11/2020
DP210103897	Microbial community stability dynamics to environmental triggers	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$476,533	13/11/2020
DP210103919	Price-Setting Rules and Allocative Efficiency in Oligopolies	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$146,641	13/11/2020
DP210103923	Improving Interactions for Digital Browsing of Large Collections	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$410,000	13/11/2020
DP210103929	How satiation control reward value and cue-induced appetitive behaviours	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$437,997	13/11/2020
DP210103954	Advancing programmable genetic computation to control plant gene activity	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$550,000	13/11/2020
DP210103970	Mycobacterial Cholesterol Degradation: A Unique Metabolic Weakness?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$498,000	13/11/2020
DP210103984	Harm inflation: Making sense of concept creep	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$360,000	13/11/2020
DP210103986	Mapping the learning mechanisms linking adversity with maladjustment	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$216,600	13/11/2020

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DP210103991	Bringing Archaeal biodiversity to life from native Australian herbivores	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$467,000	13/11/2020
DP210104010	Chlorine Evolution Catalysts for Efferent Seawater Electrolysis	Discovery Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$527,119	23/12/2020
DP210104020	Genetic code expansion of a eukaryotic in vitro translation system	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$570,000	13/11/2020
DP210104029	How do transcription factors control cell fate transitions?	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$529,215	13/11/2020
DP210104031	Exploring the High Energy Universe with Neutrinos detected in IceCube	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$475,000	13/11/2020
DP210104043	AI-driven Effective Query Formulation for Better Systematic Reviews	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$203,771	13/11/2020
DP210104058	The roles and regulators of new plant cells linked to root transport	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$558,000	13/11/2020
DP210104074	In-vivo functional imaging of cone photoreceptors and ganglion cell axons	Discovery Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$192,500	13/11/2020
IN210100004	Aboriginal child restoration from out-of-home care: pathways for success	Discovery Indigenous	1/10/2020	Approved	13/11/2020	19/10/2020	\$427,685	3/11/2020
IN210100008	Building An Indigenist Health Humanities Collective	Discovery Indigenous	1/10/2020	Approved	13/11/2020	19/10/2020	\$1,776,000	3/11/2020
IN210100037	Indigenous Lifecourse Research, Data Governance and Capacity Building	Discovery Indigenous	1/10/2020	Approved	13/11/2020	19/10/2020	\$415,027	3/11/2020
IN210100038	A qualitative and quantitative study of Indigenous content in curriculum	Discovery Indigenous	1/10/2020	Approved	13/11/2020	19/10/2020	\$330,000	3/11/2020
IN210100039	A Deadly Solution:Towards an Indigenous-led bush food industry	Discovery Indigenous	1/10/2020	Approved	13/11/2020	19/10/2020	\$1,565,000	3/11/2020
IN210100044	The role of First Nations' music as a determinant of health	Discovery Indigenous	1/10/2020	Approved	13/11/2020	19/10/2020	\$820,000	3/11/2020
IN210100051	Testing a new model for addressing covert racism faced by Indigenous youth	Discovery Indigenous	1/10/2020	Approved	13/11/2020	19/10/2020	\$584,000	3/11/2020
IN210100055	Has it always burned so hot? Fuel and fire in southeast Australian forests	Discovery Indigenous	1/10/2020	Approved	13/11/2020	19/10/2020	\$454,044	3/11/2020
IN210100062	Co-designing Indigenous education policy in Queensland	Discovery Indigenous	1/10/2020	Approved	13/11/2020	19/10/2020	\$750,000	3/11/2020
LP200100009	Precarious Movements: Choreography and the Museum	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$392,181	13/11/2020
LP200100016	Developing an integrated device for on-farm detection of sugarcane diseases	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$250,000	13/11/2020
LP200100019	Developing hole spin quantum bits in industrially fabricated silicon chips	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,696	13/11/2020
LP200100029	Photonic chip inertial movement sensors	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$646,887	13/11/2020
LP200100038	A Machine Learning driven flow modelling of fragmented rocks in cave mining	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$516,000	13/11/2020
LP200100045	Collecting at the Crossroads: Anthropology, Art & Cultural Change (1939-85)	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$487,222	13/11/2020
LP200100052	Biocementation of recycled sand and demolition wastes for pavements	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$442,000	13/11/2020
LP200100053	Co-Design Guide for Transforming Ageing Apartment Buildings	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$320,184	13/11/2020
LP200100054	Ambitious and Fair: Strategies for a sustainable visual arts sector	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$339,852	13/11/2020
LP200100056	Transforming Microgrid to Virtual Power Plant –ICT Frameworks,Tools,Control	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$300,000	13/11/2020
LP200100060	Private Land Conservation in a Dynamically Changing and Risky World	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$372,498	13/11/2020
LP200100063	Diversifying Australian Regional Art Museums	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$338,927	13/11/2020
LP200100064	Plant cyclotides as novel sustainable tools for crop protection	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$417,000	13/11/2020
LP200100082	Agile synthesizers for quantum computing, simulation and sensing	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$451,265	13/11/2020
LP200100100	Understanding engagement to regulate the commercial determinants of health	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$531,764	13/11/2020
LP200100103	Curating Museum Collections for Climate Change Mitigation	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$520,582	13/11/2020

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LP200100106	Data-driven monitoring of raceway dynamics in ironmaking blast furnaces	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$539,723	13/11/2020
LP200100110	Damage Tolerance Approach in Designing and Maintaining Truck Trailers	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$482,000	13/11/2020
LP200100138	Understanding extreme wind gusts and associated risks in NSW	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$362,500	13/11/2020
LP200100149	Australian Seasonal Workers Programme and well-being impacts in Timor-Leste	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$212,212	13/11/2020
LP200100156	Critical metals from complex copper ores	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$456,000	13/11/2020
LP200100175	Thermodynamic basis for ironmaking and slag recycling in circular economy	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$683,623	13/11/2020
LP200100188	Solar solutions to improve energy affordability for low-income renters	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$257,156	13/11/2020
LP200100190	Environmentally-friendly strategies for shoreline protection in lakes	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$405,267	13/11/2020
LP200100205	Settling well: a longitudinal study of refugees in regional Australia	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$1,115,069	13/11/2020
LP200100222	Collaborative science for monitoring of Northern Territory marine megafauna	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$535,200	13/11/2020
LP200100225	Does plasma membrane perception of 2,4-D influence auxin resistance?	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$365,247	13/11/2020
LP200100255	Hydrogen fuel cells with non-precious metal cathode catalysts	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$424,566	13/11/2020
LP200100261	Surviving the inferno: how threatened macropods survive catastrophic fire	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$234,427	13/11/2020
LP200100265	Metal folding fundamentals to shape new corrugated building products	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$269,521	13/11/2020
LP200100296	Net Zero Precincts: an interdisciplinary approach to decarbonising cities	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$1,023,008	13/11/2020
LP200100311	Climate Risk Disclosure: Developing Measures for Best Practice	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$299,969	13/11/2020
LP200100331	Vulnerability of Australian bats to white-nose syndrome	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$543,024	13/11/2020
LP200100336	Design guidelines for safety-critical controllers in high-risk environments	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$274,933	13/11/2020
LP200100341	Tightening the phosphorus cycle for grain legumes	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$650,000	13/11/2020
LP200100367	Bayesian back analysis for settlement prediction of soft soils	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$263,112	13/11/2020
LP200100372	Accessing the family violence provision: enhancing migrant women's safety	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$271,527	13/11/2020
LP200100380	The ABC's of listening and learning: a study in the Northern Territory	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$100,000	13/11/2020
LP200100381	Improving stream management using ecological modelling and DNA barcodes	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$495,820	13/11/2020
LP200100382	Condition-Based Maintenance Optimisation for Queensland's Railways	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$302,000	13/11/2020
LP200100403	High performance polymer fibres for recyclable composites	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$376,518	13/11/2020
LP200100404	Optimising feeds to support ecosystem-based aquaculture	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$720,000	13/11/2020
LP200100406	Building Australia's next-generation ocean-sea ice model	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$1,161,512	13/11/2020
LP200100413	Post-separation co-parenting apps: Can they help families avoid conflict?	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$207,822	13/11/2020
LP200100418	Investigations into the antibacterial mechanism of action of cannabidiol	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$640,878	13/11/2020
LP200100420	Low-density high-performance proppants for hydraulic fracturing process	Linkage Projects	1/10/2020	Approved	21/12/2020	23/12/2020	\$419,000	23/12/2020
LP200100428	Upholding the right to cultural connection for children in care	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$378,107	13/11/2020
LP200100431	Better Responses to Gender-based Violence in Cambodia's Construction Sector	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$239,777	13/11/2020

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LP200100433	Appropriate Development Interventions to Violent and Hateful Extremism	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$520,377	13/11/2020
LP200100468	Statistical methods for quantifying variation in spatiotemporal areal data	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$588,955	13/11/2020
LP200100483	Ecosystem resilience of Shark Bay under changing ocean climate	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$324,006	13/11/2020
LP200100489	Deciphering interactions of conducting polymers in agricultural soils	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$420,000	13/11/2020
LP200100493	Novel Multilevel Modelling Framework to Design Advanced Food Drying Process	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$310,000	13/11/2020
LP200100531	Concrete Mixes for Durability: A Hybrid Mathematical Optimisation Approach	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$384,117	13/11/2020
LP200100537	A novel platform for the biosynthesis of commercially valuable saxitoxins	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$419,059	13/11/2020
LP200100540	A structure-based design approach to maximising targeting interactions	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$433,000	13/11/2020
LP200100541	Smart design technology enabling the mid-infrared revolution	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$312,066	13/11/2020
LP200100547	Developing strong restorer-of-fertility genes for hybrid wheat breeding	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$661,039	13/11/2020
LP200100590	Improving airborne electromagnetic surveying for minerals and groundwater	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$465,000	13/11/2020
LP200100601	A Space-Based Quantum Communications Platform using Continuous Variables	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$371,806	13/11/2020
LP200100617	Elastomer/Graphene Composites for Reinforcement at Low Strain	Linkage Projects	1/10/2020	Approved	13/11/2020	13/11/2020	\$215,000	13/11/2020

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- (f) Date of Minister’s decision
- (g) Date applicant was informed of the grant outcome
- (h) Amount of funding granted (if any)
- (i) Whether the grant was publicly announced and, if so, the date of the announcement