Extracted on 24/12/2021	(b)	(4)	(d)		(-)	40	(g)	(h)	(i)
(a) Application Number DP220100002	(a) Title of Application Toward a Female Stoic Tradition: Women's Writings in England, 1600-1800	(c) Scheme Discovery Projects	Date received by Minister 02/12/2021	Whether grant	(e) t approved by Minister	(f) Date of Minister's decision 23/12/2021	Date applicant informed of outcome	(h) Grant Amount \$275.000	Public announcement and date
DP220100002 DP220100003 DP220100007	Secure Crowdsourcing Classification with Privacy Protection against Servers New Techniques for New Physics Searches at the CERN Large Hadron Collider	Discovery Projects	02/12/2021 02/12/2021 02/12/2021			23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$462,000 \$608.000	24/12/2021 24/12/2021 24/12/2021
DP220100020	Scalable atom-thin materials for monolithic electronics & optoelectronics	Discovery Projects Discovery Projects	02/12/2021		Approved	23/12/2021	23/12/2021	\$413,000	24/12/2021
DP220100036 DP220100040	Maximising the Use of Waste Glass in Sustainable Composite Columns Punishment learning: from cells to circuits to behaviour	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$416,000 \$581,153	24/12/2021 24/12/2021
DP220100050 DP220100051	Public Interest Advocacy in Australian Policymaking The molecular record in extraordinarily preserved plants and insects	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$278,273 \$484,598	24/12/2021 24/12/2021
DP220100067 DP220100070	Optimal shapes in geometry and physics: Isoperimetry in modern analysis How Spinal Afferent Neurons Control Appetite and Thirst	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$295,000 \$438,619	24/12/2021 24/12/2021
DP220100079 DP220100088	Lifting the burden of imprisonment: Creating safer and stronger communities Manufacturing Nanostructured Polymer Thin Films using Visible Light	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$229,029 \$470,000	24/12/2021 24/12/2021
DP220100090 DP220100098	Quantitative Analysis of Systemic Risk in Insurance Mining voids and just transition: reimagining post-mining landscapes	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$378,292 \$318,659	24/12/2021 24/12/2021
DP220100100 DP220100101	Old brain cells perform new tricks to allow life-long learning Enzyme-Mediated Machining of Chelators to Bind and Recover Valuable Metals	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$428,000 \$440,000	24/12/2021 24/12/2021
DP220100110 DP220100111	Artisanal making and the future of small-scale local production Programmable Organometallics for Spatiotemporal Light Control	Discovery Projects Discovery Projects	02/12/2021	,	Approved	23/12/2021	23/12/2021	\$390,979 \$522,000	24/12/2021 24/12/2021
DP220100116 DP220100120	Carbon-Supported Iron Catalysts for Selective Catalytic Reduction of NO Choosing to persist: sexual selection in the wild	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$630,000 \$563,312	24/12/2021 24/12/2021
DP220100124 DP220100130	Advancing investor action on energy transition A design-led approach for multifunctional composites	Discovery Projects Discovery Projects	02/12/2021		Approved	23/12/2021	23/12/2021	\$358,400 \$317,442	24/12/2021 24/12/2021
DP220100136	Experimental and empirical insight into melting of the early Earth's mantle	Discovery Projects	02/12/2021	,	Approved	23/12/2021	23/12/2021	\$413,000	24/12/2021
DP220100152 DP220100163	Understanding selfie-editing apps in youth visual digital cultures Dynamic Mechano-Microscopy for use in Mechanobiology	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$175,496 \$472,000	24/12/2021 24/12/2021
DP220100167 DP220100173	The Impact of Water Stress on Early Humans in the Kalahari Desert Earth's Dynamic Topography Through Space and Time	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$267,053 \$407,000	24/12/2021 24/12/2021
DP220100178 DP220100183	Quantum microscopy meets photovoltaics: new tools for solar cell research Understanding visual working memory: a cognitive strategy framework	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$397,000 \$443,728	24/12/2021 24/12/2021
DP220100189 DP220100192	Ecologically responsible mining to fuel a green energy transition Investigating non-canonical RNA processing in developing spermatids	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$484,029 \$570,000	24/12/2021 24/12/2021
DP220100195 DP220100196	Decoding the geochemical record of early human fossits Social Resilience, Migrant Integration and Informal Sport in Public Space	Discovery Projects Discovery Projects	02/12/2021	,	Approved	23/12/2021	23/12/2021	\$368,118 \$303.442	24/12/2021 24/12/2021
DP220100199 DP220100211	Investigating the direct and indirect effects of a student leader program Suharto's enablers? Social complicity in the Indonesian killings of 1965-66	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$391,400 \$553,734	24/12/2021 24/12/2021
DP220100215 DP220100218	Privacy-aware Smart Access Control for Internet-of-Things on Blockchain Microplastics in Landfills and Surrounding Environments	Discovery Projects Discovery Projects	02/12/2021			23/12/2021	23/12/2021 23/12/2021	\$390,000 \$554.500	24/12/2021 24/12/2021
DP220100231	Need for Speed: Towards Controller Design Automation for Power Electronics	Discovery Projects	02/12/2021	,	Approved	23/12/2021	23/12/2021	\$495,000	24/12/2021
DP220100240 DP220100241	Governing during an ocean climate crisis: Building integrative capacity The role of song in Kaytetye and Warlpiri biocultural knowledge	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$464,726 \$442,000	24/12/2021 24/12/2021
DP220100245 DP220100250	Endocrine disruption in wildlife: a sexual selection perspective The genetics of four ancient 'Kings' of Sahul and Sunda	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$465,646 \$430,182	24/12/2021 24/12/2021
DP220100261 DP220100285	Microfluidics with core-shell beads: handling liquids like solids Harmonic analysis of Laplacians in curved spaces	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$495,000 \$375,000	24/12/2021 24/12/2021
DP220100289 DP220100300	Deciphering strategies polar phytoplankton employ to lessen iron limitation Unlocking the potential of multiphoton photoredox catalysis	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$470,342 \$462,873	24/12/2021 24/12/2021
DP220100303 DP220100306	Sustainable Mathematical Foundations: STEM-enriched Modelling Modelling of polydisperse particle-fluid reacting flows	Discovery Projects Discovery Projects	02/12/2021	,	Approved	23/12/2021	23/12/2021	\$332,636 \$390.000	24/12/2021 24/12/2021
DP220100307 DP220100316	Development of Novel Metaconcrete to Resist Impulsive Loads Medium temperature electrolysis for low-cost carbon diaxide utilization	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$363,000 \$481,000	24/12/2021 24/12/2021
DP220100318	Fluorescent daytime radiative cooling for urban heat mitigation	Discovery Projects	02/12/2021		Approved	23/12/2021	23/12/2021	\$570,000	24/12/2021
DP220100321 DP220100338	High-frequency Estimation of Term Structure Models at the Zero Lower Bound Investigation of the molecular machinery enabling phage to enter bacteria.	Discovery Projects Discovery Projects	02/12/2021 02/12/2021			23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$312,355 \$576,041	24/12/2021 24/12/2021
DP220100355 DP220100356	Data-based Control of Process Feature Dynamics through Latent Behaviours Finding friendship in early English literature	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	No	Approved at Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$405,000	24/12/2021 24/12/2021
DP220100359 DP220100365	Managing Carbon Offsets to Improve Australian Climate Policy Effectiveness Catch me if you can: The race to rescue the smallest planets	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$237,757 \$273,000	24/12/2021 24/12/2021
DP220100369 DP220100370	Gender-Lens Investing: Harnessing Social Innovation for Impact The Ancient Today: Living Traditions of Classical Language Education	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$400,374 \$323,407	24/12/2021 24/12/2021
DP220100376 DP220100395	Reclaiming Child Rights: Activism, Public Inquiries and Social Change The Vandal Renaissance: Latin Literature in Post-Roman Africa (435-534CE)	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved	23/12/2021 23/12/2021	23/12/2021	\$319,154 \$302,000	24/12/2021 24/12/2021
DP220100398 DP220100406	Molecular Spin Switching with Earth Abundant Metals Just add noise: the benefits of neural and stimulus noise for perception	Discovery Projects Discovery Projects	02/12/2021	,	Approved	23/12/2021 23/12/2021	23/12/2021	\$410,000 \$285.504	24/12/2021 24/12/2021
DP220100400 DP220100412 DP220100436	Novel dopamine pathways underlying motivated behaviours	Discovery Projects Discovery Projects	02/12/2021 02/12/2021 02/12/2021		Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$434,301 \$450,000	24/12/2021 24/12/2021 24/12/2021
DP220100452	Coach My Ride: Mentorable Interfaces to support Older Australians' Mobility Biomimetic hydrogels	Discovery Projects	02/12/2021			23/12/2021	23/12/2021	\$449,000	24/12/2021
DP220100461 DP220100462	Food System Shocks: Managing Transitions to Future Food Security Early art, culture and occupation along the northern route to Australia	Discovery Projects Discovery Projects	02/12/2021 02/12/2021			23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$257,666 \$848,116	24/12/2021 24/12/2021
DP220100474 DP220100482	From trash to treasure: engineering waste carbon utilisation in yeast Redesigning Landcare policy to better coordinate across landholders	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$494,550 \$614,817	24/12/2021 24/12/2021
DP220100488 DP220100489	Pumping up the volume on sound-light interactions Empowering terahertz sources with silicon antennas	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$510,000 \$495,000	24/12/2021 24/12/2021
DP220100492 DP220100494	Computer-aided proofs for non-hyperbolic dynamics and blenders Maintenance of high plant diversity in phosphorus-impoverished ecosystems	Discovery Projects Discovery Projects	02/12/2021 02/12/2021			23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$400,000 \$563,520	24/12/2021 24/12/2021
DP220100500 DP220100552	In the Driver's seat: role of trace elements in enabling crustal fluid flow Student mobility, risk and changing geopolitics of international education	Discovery Projects Discovery Projects	02/12/2021	,	Approved	23/12/2021	23/12/2021 23/12/2021	\$472,000 \$355.586	24/12/2021 24/12/2021
DP220100553 DP220100556	On-water electrochemistry: redox catalysis at the water surface Trusted business processes	Discovery Projects	02/12/2021	,	Approved	23/12/2021 23/12/2021	23/12/2021	\$300,000 \$465,000	24/12/2021 24/12/2021
DP220100561	Testing the Dark Emu hypothesis	Discovery Projects Discovery Projects	02/12/2021		Approved	23/12/2021	23/12/2021	\$404,000	24/12/2021
DP220100580 DP220100583	Mitigating the risks of cyberattacks on cyber-physical power systems Solar-thermal desalination system for parallel water-electricity generation	Discovery Projects Discovery Projects	02/12/2021 02/12/2021			23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$490,000 \$405,000	24/12/2021 24/12/2021
DP220100584 DP220100585	The ideologies and practices of anti-racism in Australia Judges' work, place and psychological health - a national view	Discovery Projects Discovery Projects	02/12/2021 02/12/2021			23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$357,000 \$540,000	24/12/2021 24/12/2021
DP220100587 DP220100589	The politics of expertise during COVID-19 Valuing News: Aligning Individual, Institutional and Societal Perspectives	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$230,329 \$423,769	24/12/2021 24/12/2021
DP220100603 DP220100606	Monolithic Solar Thermal Photocatalytic Membrane for Hydrogen Production Australia's variable rainfall - how dry or wet can it really get?	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$570,000 \$353,000	24/12/2021 24/12/2021
DP220100624 DP220100627	Planetary Health Histories: Developing Concepts Balance of Power vs. Empire in International Relations: A Global Study	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$666,897 \$162,197	24/12/2021 24/12/2021
DP220100643 DP220100650	Cosmological vacuum stability as a window on fundamental physics Blue carbon potential of the Great Southern Reef	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$644,249 \$517,524	24/12/2021 24/12/2021
DP220100651 DP220100657	Culturally Responsive Schooling	Discovery Projects	02/12/2021	,	Approved	23/12/2021 23/12/2021	23/12/2021	\$367,168 \$281,227	24/12/2021 24/12/2021
DP220100662	Understanding gender inequality in the post-pandemic future of work Wikipedia and the nation's story: Towards equity in knowledge production	Discovery Projects Discovery Projects	02/12/2021		Approved	23/12/2021	23/12/2021	\$409,000	24/12/2021
DP220100663 DP220100706	Charting age-related changes in the quality of episodic memory Dynamics of Suppressed Mixing Regimes in Australian Rivers	Discovery Projects Discovery Projects	02/12/2021 02/12/2021			23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$508,250 \$469,000	24/12/2021 24/12/2021
DP220100709 DP220100713	Mapping mineral systems of deep Australia Elucidating the determinants of cation import across the kingdoms of life	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$490,000 \$499,182	24/12/2021 24/12/2021
DP220100736 DP220100747	Anti-women online movements: Pathways and patterns of participation Making sense of ambiguity: brain system interactions and visual uncertainty	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$441,037 \$554,463	24/12/2021 24/12/2021
DP220100756 DP220100764	Reassembling the pandemic city: shifting geographies of creative work Unravelling the mechanics of particle deposition at the micro-scale	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$356,735 \$495,000	24/12/2021 24/12/2021
DP220100768 DP220100769	Robust Federated Learning for Imperfect Decentralised Data Interpretable Behaviour Analysis with External Structured Knowledge	Discovery Projects Discovery Projects	02/12/2021	,	Approved Approved	23/12/2021	23/12/2021	\$345,000 \$345,000	24/12/2021 24/12/2021
DP220100790 DP220100793	Molecular Thermoelectric Materials: A New Hot Topic Precarious Dwelling: Encounters with housing crisis	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$480,000 \$390.685	24/12/2021 24/12/2021
DP220100795 DP220100800	Physics-aware machine learning for data-driven fire risk prediction Two-way Auslan: Automatic Machine Translation of Australian Sign Language	Discovery Projects Discovery Projects	02/12/2021	,	Approved	23/12/2021	23/12/2021	\$485,000 \$350.000	24/12/2021 24/12/2021
DP220100803 DP220100823	Al-Human Empowered Team Decision-Making Linking terrestrial-aquatic fluxes to rectify the Australian carbon balance	Discovery Projects Discovery Projects	02/12/2021 02/12/2021 02/12/2021		Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$490,000 \$508,976	24/12/2021 24/12/2021 24/12/2021
DP220100825	The Devonian Gogo Fauna: Diversity, Palaeoecology and Global Significance	Discovery Projects	02/12/2021			23/12/2021	23/12/2021	\$507,060	24/12/2021
DP220100828 DP220100829	Long range toxic metal pollution in Australia and the Southern Ocean Religious Populism, Emotions and Political Mobilisation	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$409,193 \$380,058	24/12/2021 24/12/2021
DP220100838 DP220100841	Motoring On? A New History of the U.S. Car Industry since 1900 Connections for hybrid steel-timber-concrete structures	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$229,846 \$318,000	24/12/2021 24/12/2021
DP220100844 DP220100845	Whole-body analysis of human tissue-resident memory T cells Self-reinforced biopolymer composites	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$639,564 \$460,000	24/12/2021 24/12/2021
DP220100851 DP220100878	Proppant transport in non-Darcy fracture flow for reservoir integrity/yield The emotional face: What determines preferential expression processing	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$270,041 \$404,680	24/12/2021 24/12/2021
DP220100880 DP220100882	Governance for Gender Inclusion: Levelling the Field in Australian Sport Design of micro-decisions in automated transport	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$496,685 \$492,500	24/12/2021 24/12/2021
DP220100884 DP220100891	Communicating to promote engagement in using electronic medical records The long-term impact of short-lived, fluorinated pollutants.	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$435,000 \$316,386	24/12/2021 24/12/2021
DP220100896 DP220100900	Enhanced force fields for computational drug design and materials research. Changing the classification status quo with a global genome-based taxonomy	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$350,000 \$960,385	24/12/2021 24/12/2021
DP220100905 DP220100915	Lessons From Nature: Late Stage Oxidation in Total Synthesis Carbon in - carbon out: can carbon inputs keep up with losses in peatland?	Discovery Projects Discovery Projects	02/12/2021 02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$553,448 \$416,597	24/12/2021 24/12/2021 24/12/2021
DP220100918	Resolving the role of dryland flooding in the global carbon cycle	Discovery Projects	02/12/2021		Approved	23/12/2021	23/12/2021	\$456,000	24/12/2021
DP220100931 DP220100937	A dynamical systems theory approach to machine learning A new numerical analysis for partial differential equations with noise	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$356,000 \$394,000	24/12/2021 24/12/2021
DP220100943 DP220100945	Shop Talk: Department Stores, Shoppers and Consumer Capitalism, 1945-2025 Data-driven development of photocatalytic and optoelectronic perovskites	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$146,381 \$374,858	24/12/2021 24/12/2021
DP220100960 DP220100964	An integrated nano-bioengineered chip for enhanced molecular evolution Journeys and Legacies of European Émigré Lawyers in Australia	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$466,587 \$396,850	24/12/2021 24/12/2021
DP220100967 DP220100971	Constituent power in federal constitutions Body, Language and Socialisation across Cultures	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$414,000 \$654,853	24/12/2021 24/12/2021
DP220100973 DP220100983	New universality in stochastic systems Blockchain-Enabled Federated Learning for Secure and Decentralised Learning	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$410,000 \$455,000	24/12/2021 24/12/2021
DP220100985 DP220100988	Understanding the generation of hypothalamic sleep neurons Digital Transaction Platforms in Asia	Discovery Projects Discovery Projects	02/12/2021 02/12/2021 02/12/2021			23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$553,796 \$492,708	24/12/2021 24/12/2021 24/12/2021
DP220101005 DP220101012	Digital Transaction Platforms in Asia Phylodynamics for Single Cell Genomics In for the count: Maximising trust and reliability in Australian elections	Discovery Projects	02/12/2021 02/12/2021 02/12/2021	,	Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$390,000 \$405,000	24/12/2021 24/12/2021 24/12/2021
DP220101015	Enabling students' critical mathematical thinking	Discovery Projects Discovery Projects	02/12/2021			23/12/2021	23/12/2021	\$382,715	24/12/2021
DP220101023 DP220101026	How inequalities affect attitudes and behaviours concerning sex and gender Reading facial expressions from real and virtual humans	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$467,581 \$444,914	24/12/2021 24/12/2021
DP220101031 DP220101035	Employment Relations in Indonesia's Commercial Fishing Industry Democratisation of Deep Learning: Neural Architecture Search at Low Cost	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$255,000 \$390,000	24/12/2021 24/12/2021
DP220101037 DP220101038	Expanding access to modified proteins via a novel semi-synthetic platform Torsion in innovative timber composite floors	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$495,000 \$340,000	24/12/2021 24/12/2021
DP220101043 DP220101051	Understanding macroeconomic fluctuations with unobserved networks Self-Healing Concrete for Mitigation of Chloride Induced Steel Corrosion	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$199,649 \$220,000	24/12/2021 24/12/2021
DP220101063 DP220101067	Some like it hot: invasive species, hybridisation, and a warming world Understanding and improving sustained attention under vigilance conditions	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$441,171 \$405,924	24/12/2021 24/12/2021
DP220101078 DP220101087	A night shift: planning for night time economies and workers in Australia Parenting in an unsteady world across nations	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$448,884 \$320,639	24/12/2021 24/12/2021
DP220101007 DP220101100 DP220101107	Communities, Kava, Court Orders: The Ways of Possessing the Pacific City	Discovery Projects	02/12/2021 02/12/2021 02/12/2021	,	Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$210,000 \$406,013	24/12/2021 24/12/2021 24/12/2021
DP220101125	Weight stigma in the preconception, pregnancy and postpartum periods The Great Barrier Reef in 2100	Discovery Projects Discovery Projects	02/12/2021			23/12/2021	23/12/2021	\$524,000	24/12/2021
DP220101139 DP220101142	Overcoming microplastics induced inhibition on waste-to-energy conversion Contribution of Comammox Process to Sustainable Wastewater Treatment	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$320,000 \$353,328	24/12/2021 24/12/2021
DP220101143 DP220101158	Creation of a super-resolution map of the bacterial cytokinesis machinery Radio Frequency Camera for Low-Complexity and High-Resolution Radar Imaging	Discovery Projects Discovery Projects	02/12/2021 02/12/2021		Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$448,619 \$475,000	24/12/2021 24/12/2021
DP220101163 DP220101164	National Forgetting and Local Remembering: Memory Politics in Modern China Physics-informed hydrodynamic model for clay across scales	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$489,000	24/12/2021 24/12/2021
DP220101166 DP220101179	The neural dynamics of real-time processing in the brain Targeting TGF-beta proteins to control animal reproduction	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	,	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$480,000 \$500,000	24/12/2021 24/12/2021
DP220101187	A mmWave Sensor Network for Hand Gesture Monitoring	Discovery Projects	02/12/2021			23/12/2021	23/12/2021	\$405,000	24/12/2021

DP220101196	Tourisminal stability from an extent analysis	Discourse Designate	02/12/2021		23/12/2021	23/12/2021	\$332,000	24/12/2021
DP220101198	Topological stability from spectral analysis Add mountains and shake: plate boundary fault and earthquake patterns	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$436,000	24/12/2021
DP220101209 DP220101221	Data analytics-based tools and methods to enhance self-regulated learning Accessible Data Exploration and Analysis for Blind People	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$389,011 \$650,000	24/12/2021 24/12/2021
DP220101223 DP220101234	Explainable Artificial Creativity Scalable & Accountable Privacy-Preserving Blockchain with Enhanced Security	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$399,171 \$330,000	24/12/2021 24/12/2021
DP220101252 DP220101254	Nano optoelectronic coupling: towards an ultrasensitive sensing technology ls SPINT1 a key regulator of placental development?	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$585,000 \$536,000	24/12/2021 24/12/2021
DP220101255	Responsible Urban Innovation with Local Government Artificial Intelligence	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$499,630	24/12/2021
DP220101256 DP220101258	Creole Voices in the Caribbean and Australia: Poetics and Decolonisation Narrative Ecologies of Warragamba Dam	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$175,000 \$427,000	24/12/2021 24/12/2021
DP220101263 DP220101269	Shallow water carbonate sediment dissolution in the global carbon cycle Mapping sites of visceral convergence connecting the colon and bladder.	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$437,000 \$456,249	24/12/2021 24/12/2021
DP220101281 DP220101290	Inclusive memories: tracing democratic practices in contemporary memorials Ambient Electrochemical C-N Coupling via Co-electrolysis of N2 and CO2	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$300,000 \$470,000	24/12/2021 24/12/2021
DP220101306 DP220101318	Neural circuitry of maternal behaviour Physical Layer Security for Wireless Machine-Type Communications	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$410,399 \$473,000	24/12/2021 24/12/2021
DP220101336	Historical frontier violence: drivers, legacy and the role of truth-telling	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$488,142	24/12/2021
DP220101339 DP220101342	How hormones help to overcome fear: from rats to humans Epigenetic effects of environmental thyroid disruption	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$440,822 \$443,043	24/12/2021 24/12/2021
DP220101352 DP220101360	How novel ribosomal RNA gene repeat variants drive cellular function Privacy Preservation over 5G and loT Smart Devices	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$637,955 \$347,183	24/12/2021 24/12/2021
DP220101361 DP220101372	Using RNA interference to combat the worst emerging disease of wildlife Engineering screw piles to secure offshore wind energy turbines	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$453,282 \$512,050	24/12/2021 24/12/2021
DP220101388	RNA-binding proteins rewire transcriptomes in immune cell differentiation	Discovery Projects	02/12/2021 02/12/2021	Approved	23/12/2021	23/12/2021	\$474,000	24/12/2021
DP220101391 DP220101395	Light-driven biocatalytic cell factories A Space Odyssey: Exploring the Universe with Gravitational-Wave Sirens	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$470,271 \$400,000	24/12/2021 24/12/2021
DP220101405 DP220101406	Data breaches: A study of organisational disclosures An active ion transport pathway exploited by coronaviruses	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$279,214 \$549,740	24/12/2021 24/12/2021
DP220101412 DP220101417	Extinction and response inhibition Laser-free on-chip super-resolution microscopy	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$445,378 \$495,000	24/12/2021 24/12/2021
DP220101420 DP220101427	SenShaMart: A Trusted Internet of Things Marketplace for Sensor Sharing Engineered interlayers of bio-retardant and nano-reinforcement on polymers	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$450,000 \$332,338	24/12/2021 24/12/2021
DP220101429 DP220101431	The Epigenetics of Sex in the Dragon Catching the fast waves: high speed RF sensing using Brillouin scattering	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$1,257,021 \$480,000	24/12/2021 24/12/2021
DP220101434	Advancing Analytical Query Processing with Urban Trajectory Data	Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$364,295	24/12/2021
DP220101435 DP220101436	Using assisted evolution to win the war against invasive species Uncovering the transgenerational dimension of ageing	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$323,500 \$437,000	24/12/2021 24/12/2021
DP220101454 DP220101460	Space, time and boundary conditions: Mathematics for evolving plaques. The impact of immigrant theatre artists on Australian culture 1919-1949	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$421,000 \$165,000	24/12/2021 24/12/2021
DP220101462 DP220101468	Uncovering Antarctica's Secret Chemical Voyagers for Expedited Regulation The impact of India-Asia tectonics on climate	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$724,450 \$423,961	24/12/2021 24/12/2021
DP220101478 DP220101480	Magnetohydrodynamic Aerobraking for Spacecraft Entry to Earth's Almosphere Non-equilibrium presolvation electron processes at the gas-liquid interface	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$390,000 \$360,000	24/12/2021 24/12/2021
DP220101489	Transcription factors find their targets by reading the epigenetic code	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$530,579	24/12/2021
DP220101495 DP220101501	Remote sensing of biotic stress with hyperspectral-fluorescence imaging A new class of titanium alloys developed for additive manufacturing	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$525,000 \$393,000	24/12/2021 24/12/2021
DP220101503 DP220101506	Authoritarian populism and livelihood change in the Philippines Impacts of changing water ownership and reforms on Australian water markets	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$303,185 \$234,878	24/12/2021 24/12/2021
DP220101511 DP220101512	Electrocatalytic Generation of Ammonia from Air and Water Incorporating the gains from healthy ageing in health system planning	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$492,000 \$313,921	24/12/2021 24/12/2021
DP220101516 DP220101522	Embedding Enterprise Systems in IoT Fog Networks through Microservices Warratyi: Cultural Innovation in the Indigenous Settlement of Australia	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$480,000 \$910,000	24/12/2021 24/12/2021
DP220101522 DP220101528 DP220101528	Novel disinfection to combat antibiotic resistance	Discovery Projects	02/12/2021 02/12/2021 02/12/2021	Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$379,000 \$379,000 \$578,178	24/12/2021 24/12/2021 24/12/2021
DP220101532	Synthetic leukocytes: bio-inspired DNA nanorobots powered by flow Energy resolving photodetection through extracting hot carrier photocurrent	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$410,000	24/12/2021
DP220101537 DP220101542	Locating Giurgola: From Philadelphia School to Global Practice An Empirical Study of Agenda Setting in the High Court of Australia	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$236,500 \$510,855	24/12/2021 24/12/2021
DP220101544 DP220101558	Defining and engineering the rhizosphere for Australian rainfall patterns Magnetic fields and atomic gas flows in the Milky Way and Magellanic Clouds	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$389,258 \$460,000	24/12/2021 24/12/2021
DP220101566 DP220101584	The psychology of gridlock: Compromise, coalitions, and radicalisation Reconceiving Engagement with International Law in a Populist Era	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$407,915 \$619,700	24/12/2021 24/12/2021
DP220101592	Reconceiving Engagement with international Law in a Populist Era Exploration, Generalisation and the Development of Learning Traps Parametric VR: An Interactive Virtual Reality System for Parametric Design	Discovery Projects Discovery Projects Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$394,244 \$455,000	24/12/2021
DP220101595 DP220101596	The shock of the old: Rediscovering the sounds of bel canto 1700-1900	Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$554,000	24/12/2021 24/12/2021
DP220101598 DP220101602	Assessing Architectural Aesthetic Character: An "Intelligent" Approach Heisenberg-limited lasers: building the revolution	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$500,000 \$512,835	24/12/2021 24/12/2021
DP220101609 DP220101610	Uncovering the laws of gravity using the largest map of the cosmos Precision cosmic expansion in the era of gravitational-wave astronomy	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$360,000 \$450,000	24/12/2021 24/12/2021
DP220101620 DP220101621	The critical role of rhizosheath biophysics in plant water availability Investigating voluntary and involuntary intergroup contact	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$494,307 \$532,275	24/12/2021 24/12/2021
DP220101629	About time: Climate change adaptation in Australian industries	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$364,000	24/12/2021
LP210100011 DP220101631	Indigenous-led Sea Country Management: Protecting Australia's Marine Estate Noncommutative analysis for self-similar structure	Linkage Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	20/12/2021 23/12/2021	22/12/2021 23/12/2021	\$532,815 \$384,000	22/12/2021 24/12/2021
DP220101632 DP220101633	China's Belt and Road Initiative: A New Model of Economic Governance? Economic, political and cultural brokers in remote Papua New Guinea	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$283,250 \$270,000	24/12/2021 24/12/2021
DP220101634 DP220101642	Low-cost Sensing Methods and Hybrid Learning Models The Political and Economic Agency of Africans in Australia	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$450,000 \$435,304	24/12/2021 24/12/2021
DP220101644 DP220101645	Tuning mesenchymal stem cell lifespan, performance, and differentiation Regulation of activity-induced glutamate receptor trafficking in neurons	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$570,000 \$539,364	24/12/2021 24/12/2021
DP220101649 DP220101652	Evolutionary computation for expensive bilevel multiobjective problems	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$390,000 \$370,000	24/12/2021 24/12/2021
DP220101658	Smart site investigation for offshore energy installations in sand Using the last glacial cycle to understand carbon-dimate feedbacks	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$523,674	24/12/2021
DP220101660 DP220101675	The fluid dynamics of intrusions The role of community sponsorship for refugee resettlement in Australia	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$287,000 \$330,000	24/12/2021 24/12/2021
DP220101680 DP220101681	Random fields: non-Gaussian stochastic models and approximation schemes The mechanistic basis of tropism in an insecticidal pore-forming toxin	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$422,680 \$501,948	24/12/2021 24/12/2021
DP220101682 DP220101685	Locating LGBTiQ+ youth in the archive: Telling new stories for belonging Cultural Production of Religion by Science Fiction and Fantasy novels.	Discovery Projects Discovery Projects	02/12/2021	Approved Not Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$423,703	24/12/2021 24/12/2021
DP220101688 DP220101689	High-resolution multiscale modelling of pandemics: COVID-19 and beyond	Discovery Projects	02/12/2021 02/12/2021	Approved	23/12/2021	23/12/2021 23/12/2021	\$412,000	24/12/2021 24/12/2021
DP220101716	How does an essential histone variant effect changes in gene expression?	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$789,650 \$435,000	24/12/2021
DP220101721 DP220101722	Scale invariance: A new paradigm for particle physics and cosmology Being a Transnational Muslim in Australia in an Era of Hyper-Security	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$360,000 \$421,000	24/12/2021 24/12/2021
DP220101727 DP220101731	New Tests of Fundamental Physics & Astrophysics with Atmospheric Neutrinos Cleaning of tough paints on advanced composites using laser technologies	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$432,195 \$660,000	24/12/2021 24/12/2021
LP210100020 DP220101771	Wearable thermoelectric textiles for portable microelectronics Simulating and verifying quantum circuits	Linkage Projects Discovery Projects	02/12/2021	Approved Approved	20/12/2021	22/12/2021	\$698,441 \$435,092	22/12/2021 24/12/2021
DP220101774 DP220101781	Metal-organic Framework (MOF) Superstructure Catalysts	Discovery Projects	02/12/2021 02/12/2021	Approved	23/12/2021	23/12/2021 23/12/2021	\$476,000 \$178,405	24/12/2021 24/12/2021
DP220101784	Developing Ecosystem Services Economies for northern Australia Making Meta-learning Generalised	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$450,000	24/12/2021
DP220101787 DP220101788	Measuring the Commercial Real Estate Sector in Australia How do signals cross the cell membrane: the betacommon receptor family	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$277,208 \$600,000	24/12/2021 24/12/2021
DP220101790 DP220101793	Realistic assessment of biomarker transformation in the wastewater system Quantum measurement as a resource	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$420,259 \$270,000	24/12/2021 24/12/2021
DP220101795 DP220101808	How plants open up: revealing the evolution of stomatal opening mechanisms Microlocal Analysis - A Unified Approach for Geometric Models in Biology	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$347,811 \$405,000	24/12/2021 24/12/2021
DP220101809 DP220101811	Extinction, Survival, Resurgence: Indigenous and colonial histories Novel Mathematics and Efficient Computational Techniques for Human Vision	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$329,948 \$412,000	24/12/2021 24/12/2021
DP220101816	Singular solutions for nonlinear elliptic and parabolic equations	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$427,000	24/12/2021
DP220101817 DP220101819	A coordinate-independent theory for multi-time-scale dynamical systems The Molecular Basis of Nanoparticle Resistance in Mixed-Species Biofilm	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$432,000 \$375,000	24/12/2021 24/12/2021
DP220101820 DP220101823	Nonlinear partial differential equations and propagation phenomena Adaptive and Ubiquitous Trust Framework for Internet of Things interactions	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$404,000 \$480,000	24/12/2021 24/12/2021
DP220101847 DP220101853	Go with the flow! Using diffusion to direct the transport of molecules A more sound approach to the neurobiology of language	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$465,000 \$448,610	24/12/2021 24/12/2021
DP220101863 DP220101878	Ultra Diffuse Galaxies: Challenging the galaxy formation paradigm Revealing the mechanobiology of neural tube formation	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$420,000 \$460,000	24/12/2021 24/12/2021
DP220101882 DP220101883	A step change in modeling leaf respiration-photosynthesis relationships Efficient strategies for visually guided flight: from insects to drones	Discovery Projects Discovery Projects	02/12/2021 02/12/2021 02/12/2021	Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$531,213 \$411,224	24/12/2021 24/12/2021 24/12/2021
DP220101883 DP220101894 DP220101900	Efficient strategies for visually guided flight; from insects to drones Passive Positioning and Tracking of Flying Objects Using Satellite Signals Molecular control of memory traces	Discovery Projects Discovery Projects Discovery Projects	02/12/2021 02/12/2021 02/12/2021	Approved Approved Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$411,224 \$420,000 \$720,000	24/12/2021 24/12/2021 24/12/2021
DP220101901	Re-purposing shelved 'antibiotics' in the search for new herbicides	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$446,368	24/12/2021
DP220101911 DP220101923	Understanding the Antipodean 'Fair Go' Liquid metal solvents and colloids – a new frontier in chemistry	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$233,777 \$422,000	24/12/2021 24/12/2021
DP220101925 DP220101938	An intelligent machine modelling assistant for combinatorial optimisation Decoding regulatory RNA function in bacteria	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$480,000 \$575,000	24/12/2021 24/12/2021
DP220101939 DP220101947	Towards a School-Community Based Approach to Addressing Student Absenteeism Genetic architecture and evolution of complex traits across populations	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$357,075 \$463,121	24/12/2021 24/12/2021
DP220101952 DP220101959	Large-scale and long-term storage of Hydrogen in underground reservoirs lnorganic/organic Hybrids for flexible thermoelectric generators	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$505,000 \$210,000	24/12/2021 24/12/2021
DP220101969 DP220101960 DP220101967	YhcB, a crucial player in the control of bacterial cell envelope biogenesis	Discovery Projects	02/12/2021 02/12/2021 02/12/2021	Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$489,000 \$489,000 \$430,783	24/12/2021 24/12/2021 24/12/2021
DP220101967 DP220101990 DP220101999	Lost Mines: The Troubled Legacies of Former Mining Landscapes Microbially induced calcium carbonate precipitation in different substrates	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$485,000	24/12/2021
DP220102018	Future stories: creating virtual worlds with young people in hospital Regulated muscle-based thermogenesis for body temperature regulation	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$300,000 \$608,390	24/12/2021 24/12/2021
DP220102019 DP220102030	Shared-space interactions between people and autonomous vehicles Mechanisms maintaining mitochondrial copper homeostasis.	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$468,525 \$550,000	24/12/2021 24/12/2021
DP220102039 DP220102040	Rhizosphere mediation of soil greenhouse gas fluxes with climate change Rapid evolution, and the dynamics and stability of ecological communities	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$499,786 \$417,875	24/12/2021 24/12/2021
DP220102042 DP220102045	Advancing the visualisation and quantification of rephrons with MRI. Next Generation Bridge Monitoring using Novel Synergic Identification	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$485,575 \$403,000	24/12/2021
DP220102048	China stories under Xi Jinping: popular narratives	Discovery Projects	02/12/2021	Not Approved	23/12/2021	23/12/2021		24/12/2021
DP220102050 LP210100043	Turning crises into opportunities: Learning from high growth businesses Gaining insights into mine waste dumps to avoid environmental legacies	Discovery Projects Linkage Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$278,495 \$325,903	24/12/2021 22/12/2021
DP220102059 DP220102071	Formal Verification of Quantum Logic Circuits The impact of COVID-19 economic stimulus measures on corporate stakeholders	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$435,000 \$194,628	24/12/2021 24/12/2021
DP220102086 DP220102089	Next-generation epigenetic analysis: direct reading of DNA methylation Investigating Wnt signaling during human nephron commitment and patterning	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$390,000 \$454,560	24/12/2021 24/12/2021
DP220102094 DP220102101	The university and the city Large Markov decision processes and combinatorial optimisation	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$335,104 \$383,000	24/12/2021 24/12/2021
DP220102101 DP220102118 DP220102121	Holobody: Advancing the Future of Mixed Reality Technologies	Discovery Projects	02/12/2021 02/12/2021 02/12/2021	Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$484,000 \$405,000	24/12/2021 24/12/2021 24/12/2021
DP220102124	Transfer Learning Handling Causally Bilateral Shift Validation of predicted solution processed organic semiconductor properties	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$564,000	24/12/2021
DP220102125 DP220102133	Optimising biodiversity conservation in managed forest landscapes New insights on the forcing of Quaternary ice-age terminations	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$489,000 \$410,000	24/12/2021 24/12/2021
DP220102134 DP220102135	Millennial climate change in southern Australia during the Last Glacial The impact of female sex hormones on neurodevelopment	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$475,000 \$378,546	24/12/2021 24/12/2021
DP220102152 DP220102159	All-on-chip twisted light modulator for ultrahigh-capacity data processing Estimation and Control of Noisy Riemannian Systems	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$350,000 \$480,000	24/12/2021 24/12/2021
DP220102163	Topology in seven dimensions	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$345,000	24/12/2021
DP220102167 DP220102172	Understanding the Geodynamo: Putting Australia on the Map Innovation in police gender equity management: Looking back, moving forward	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$470,000 \$296,730	24/12/2021 24/12/2021
DP220102184	Identifying how a non-stationary environment affects species persistence The Politicisation of Free Trade Agreements in the US, EU and Australia	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$461,796 \$184,496	24/12/2021 24/12/2021
DP220102188	Modelling and Searching Cohesive Groups over Heterogeneous Graphs	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$415,000	24/12/2021 24/12/2021
		Discovery Projects	02/12/2021	Approved		23/12/2021	\$530,000	
DP220102188 DP220102191 DP220102196 DP220102197	Resurrecting Ancient Proteins to Unlock New Catalytic Activity Shape4D: Modelling the Spatiotemporal Deformation Patterns in 3D Shapes.	Discovery Projects Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$495,000	24/12/2021
DP220102188 DP220102191 DP220102196 DP220102197 DP220102201 DP220102203	Resurrecting Ancient Proteins to Unlock New Catalytic Activity Shape4D: Modelling the Spatiotemporal Deformation Patterns in 3D Shapes. A Stress-relax Model for Stellar Flares Carbon Molecular Sieve Membranes for Organic Solvent Separation	Discovery Projects Discovery Projects Discovery Projects	02/12/2021 02/12/2021 02/12/2021	Approved Approved Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$495,000 \$360,000 \$420,000	24/12/2021 24/12/2021 24/12/2021
DP220102188 DP220102191 DP220102196 DP220102197 DP220102201	Resurrecting Ancient Proteins to Unlock New Catalytic Activity ShapedD: Modelling the Spatiotemporal Deformation Patterns in 3D Shapes. A Stress-relax Model for Stellar Flares	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$495,000 \$360,000	24/12/2021 24/12/2021

DP220102223 DP220102231	Will rivers be smaller when the climate is hotter? Living down to expectations: generic medicines and the nocebo effect	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$443,000 \$356,550	24/12/2021 24/12/2021
DP220102232 DP220102236	Novel statistical methods for data with non-Euclidean geometric structure Bioengineering self-assembly of innovative core-shell nanomaterials	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$390,000 \$560,000	24/12/2021 24/12/2021
DP220102243	Advanced Bayesian Inversion Algorithms for Wave Propagation	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$420,000	24/12/2021
DP220102246 DP220102249	Plasma-catalytic bubbles for sustainable ammonia High Predictive Performance Models via Semi-Parametric Survival Regression	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$462,539 \$405,000	24/12/2021 24/12/2021
DP220102251	Cultural knowledge in China's Belt and Road Initiative	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$150,776	24/12/2021
DP220102254 DP220102269	Seeing Dark with Light: Revealing the Milky Way with Stellar Streams Safe Repeated Data Use and Model Release for Exploratory Data Science	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$700,000 \$405,000	24/12/2021 24/12/2021
DP220102271	Molecular switches and genetic consequences of grain retention in cereals	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$417,200	24/12/2021
DP220102278 DP220102288	Why do neutrophils swarm? A novel axis of cooperation between innate and adaptive immunity	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$560,107 \$597.830	24/12/2021 24/12/2021
DP220102303	Levitated Quantum Optomechanics with Trapped, Rotating Microparticles	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$470,000	24/12/2021
DP220102305 DP220102307	Illuminating the cosmic web with Fast Radio Bursts The future of the Pacific: youth leadership and civic engagement	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$900,000 \$500,000	24/12/2021 24/12/2021
DP220102317	Brain circuits for parsing aversion	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$340,023	24/12/2021
DP220102323 DP220102330	Why are warning colours in animals so rare? Nuclear alarmins escalate tissue immune responses	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$403,431 \$705,088	24/12/2021 24/12/2021
DP220102334	Super-resolving neurotransmitter release machinery during priming	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$573,885	24/12/2021
DP220102338 DP220102349	The effect of methylation and phosphorylation on ribosome function Information support tools for the trauma patient pathway	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$627,570 \$420,000	24/12/2021 24/12/2021
DP220102362	Predicting adaptation and range expansion under climate change	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$486,315	24/12/2021
DP220102377 DP220102378	Network activity and the role of NMDA receptors in associative learning Slavery, Sugar, Race; Australia's South Sea Islander Labourers	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$776,060 \$332,145	24/12/2021 24/12/2021
DP220102382	Rethinking walking infrastructure: Al-assisted footpath network modelling	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$405,000 \$202,000	24/12/2021
LP210100059 DP220102392	Reducing glyphosate exposure from high use practices Corrosion of heat resisting alloys in steam/hydrogen-rich environment	Linkage Projects Discovery Projects	02/12/2021	Approved Approved	20/12/2021 23/12/2021	23/12/2021	\$202,000	22/12/2021 24/12/2021
DP220102398 DP220102401	Learning Robotic Navigation and Interaction from Object-based Semantic Maps	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved	23/12/2021	23/12/2021 23/12/2021	\$515,000 \$726,000	24/12/2021
DP220102402	An investigation into T cell immunity towards metabolites An investigation into CD1a, a versatile antigen-presenting molecule	Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$574,386	24/12/2021 24/12/2021
DP220102412 DP220102436	Misinformation: Evidence evaluation in an alternate fact reality Solar powered water splitting/flow cell system for hydrogen and electricity	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$410,027 \$435,000	24/12/2021 24/12/2021
DP220102437	Making New Readers: The Australasian Book Society and the Cold War	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$215,000	24/12/2021
DP220102446 DP220102466	Universal properties and application of species size distributions Atmospheric Photothermal Oxidation as a New Reaction in the Atmosphere	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$456,000 \$508,322	24/12/2021 24/12/2021
DP220102473	New Possibilities: Student Climate Action and Democratic Renewal	Discovery Projects	02/12/2021	Not Approved	23/12/2021	23/12/2021		24/12/2021
DP220102493 DP220102497	Opening Up Access to L-Sugars through a Synergy of Experiment and Theory Elucidating the molecular basis of plant potyvirus resistance	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$366,000 \$544,230	24/12/2021 24/12/2021
DP220102500	Mapping and defining inter-organ cross talk during exercise	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$594,032	24/12/2021
DP220102511 DP220102516	How do protein quality control mechanisms maintain neuronal ageing? Paradigm Shift in Mid-IR Fibre Laser	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$554,000 \$355,000	24/12/2021 24/12/2021
DP220102518 DP220102520	Dopant engineering of diamond for quantum sensing technologies	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$400,000 \$405,000	24/12/2021 24/12/2021
DP220102523	Betrayed by Apps: Automated, Scalable Detection of Mobile App Malpractices Investigating Hippo-regulated transcription at single molecule resolution	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$504,000	24/12/2021
DP220102525 DP220102526	Is there a climatic tipping point for Antarctic Bottom Water formation? Russian Immigrants and Anti-Communism in Cold War Australia, 1948-1966	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$672,000 \$215,235	24/12/2021 24/12/2021
DP220102530	Lie superalgebra representations: a geometric approach	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$313,000	24/12/2021
DP220102533 DP220102547	Voter behaviour and polarisation: The role of social preferences Leaf and wood physiology and biomass allocation as drivers of plant growth	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$221,910 \$584,995	24/12/2021 24/12/2021
DP220102549	A new platform technology for gene therapy	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$621,815	24/12/2021
DP220102557 DP220102562	Inequality, Trade, and Technology Exploiting microbial metabolites to understand fungal biology	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$527,700 \$549,062	24/12/2021 24/12/2021
DP220102567	Hunger flexibly modifies hypothalamic neural circuits responding to threat.	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$750,006	24/12/2021
DP220102579 DP220102588	Supporting Entry and Growth of Australian Businesses via Tax and Transfers Triangulations: linking geometry and topology with combinatorics	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$155,001 \$429,000	24/12/2021 24/12/2021
DP220102593	Criminal justice outcomes of injecting drug use and methamphetamine smoking	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$505,682	24/12/2021
DP220102596 DP220102598	Safe and Reliable Solid-State Zinc Batteries A human-centric eXplainable Automated Vehicle	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$700,000 \$525,000	24/12/2021 24/12/2021
DP220102606 DP220102618	The social psychology of minority experiences of interracial contact Chemical probes to dissect the cell cycle of globally important parasites	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$195,254 \$415,495	24/12/2021 24/12/2021
DP220102622	Advanced chemical recycling of mixed plastics for monomer recovery	Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$430,000	24/12/2021
DP220102630 DP220102635	Investigating Conversational Al: Development, Usage and Governance Robust meta learning for risk-aware recommender systems	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$423,799 \$494,500	24/12/2021 24/12/2021
DP220102637	Crisis as Opportunity: Societal Change in Early Middle Kingdom Egypt	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$408,881	24/12/2021
DP220102666 DP220102706	Modelling dynamics in spatial ecology Eco-evolutionary drivers of niche dynamics in invasive weeds	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$469,107 \$291,000	24/12/2021 24/12/2021
DP220102729	Boosting photosynthetic efficiency using a plant nanobionics approach	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$405,000	24/12/2021
DP220102732 DP220102736	Reducing Cyberbullying: Turning Bystanders into Constructive Defenders Channel Coding for Beyond 5G	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$406,241 \$480,000	24/12/2021 24/12/2021
DP220102744 DP220102748	Talking Maths: Bridging the gap through talk in Early Years mathematics Transforming titanium component fabrication with free machining additives	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$357,024 \$420,000	24/12/2021 24/12/2021
DP220102749	China's Law-Based Governance Revolution under Xi Jinping	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$228,000	24/12/2021
DP220102751 DP220102755	Dispersion of spacecraft components during re-entry Quantum optical methods for entangled devices	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$551,000 \$531,000	24/12/2021 24/12/2021
DP220102756	An Intellectual History of Modern Australian Planning 1900-2000	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$425,000 \$511,000	24/12/2021
DP220102758 DP220102759	Structural safety and reliability of unreinforced masonry shear walls Optimisation of piezoelectric metamaterials: Towards robotic stress sensors	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$511,000 \$375,000	24/12/2021 24/12/2021
DP220102760 DP220102767	Portfolio projection of biodiversity responses under climate change Advanced Combustion Modelling for Scramjets and Rotating Detonation Engines	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$465,000 \$500,000	24/12/2021 24/12/2021
DP220102772	Evolutionary dynamics in deep time: faunal turnover during the Ediacaran	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$488,000	24/12/2021
DP220102784 DP220102785	MemberGuard: Protecting Machine Learning Privacy from Membership Inference Finding the missing links in salt and water transport in plants	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$450,000 \$489,236	24/12/2021 24/12/2021
DP220102790	Ferroelectric bilayer composites with giant electromechanical properties.	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$465,000	24/12/2021
DP220102803 DP220102812	Privacy-Preserving Location Based Queries Circadian photoreceptor sensitivity and impacts of modern lighting on sleep	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$435,000 \$430,986	24/12/2021 24/12/2021
DP220102815 DP220102820	A new Journey to the Earth's Inner Core: a Planet Within a Planet Glycan-based prebiotic approaches to increase food safety in Australia	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$430,000 \$523,000	24/12/2021 24/12/2021
DP220102827	Functional identification of vaccine targets in pathogenic mycoplasmas	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$616,000	24/12/2021
DP220102832 DP220102836	Structural basis of plant immune receptor signaling Overcoming limits of miniaturisation to enhance spatial memory capacities	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$500,253 \$739,586	24/12/2021 24/12/2021
DP220102840 DP220102851	How is the plant genome reactivated and controlled during seed germination? Tailoring metal-organic framework catalysts for carbon dioxide conversion	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$415,000 \$480,000	24/12/2021 24/12/2021
DP220102856	The Holocaust as an Australian Story, 1933-1954: An Intimate History	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$138,716	24/12/2021
DP220102857 DP220102861	Bioinspired photo-iontronic membranes for smart neuron-mimicking systems New frontiers in the theory of noncommutative surfaces	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$420,000 \$426,000	24/12/2021 24/12/2021
DP220102862 DP220102863	The Role of Energy Absorbing Rubber Grid on Ballast Track Performance The drowned: cultural and political geographies	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$540,000 \$85,000	24/12/2021 24/12/2021
DP220102867	Epigenetic regulation of immune memory	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$609,847	24/12/2021
DP220102872 DP220102873	Micro-electrofluidic platforms for monitoring 3D human biological models A balancing act: Resolving coastal wetland water, carbon and solute fluxes	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$503,862 \$335,000	24/12/2021 24/12/2021
DP220102876	An anti-senescence nanoplatform and its underlying mechanism	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$505,000 \$324,680	24/12/2021
DP220102893 DP220102900	Designing Efficient and Equitable Voting Mechanisms Develop materials for stable and efficient printed polymer solar cells	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$480,000	24/12/2021 24/12/2021
DP220102907	Improved hydrogen geological storage via zeta potential measurements How the digital remote working revolution is transforming Australian homes	Discovery Projects Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$447,500	24/12/2021
DP220102910	Understanding How the Hungry Brain Regulates Metabolism	Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$600,000	24/12/2021
DP220102914 DP220102915	Pursuing Public Health in The Preindustrial World, 1100-1800 Quantitative Metagenomics	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$950,000 \$567.057	24/12/2021 24/12/2021
DP220102925	The building blocks of language: Words in Central Australian languages	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$548,230	24/12/2021
DP220102926 DP220102928	Evolution. Morphodynamics and History of the Younghusband Peninsula Unlocking telomere effects on life, death and fitness in a warming world	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$378,000 \$468,000	24/12/2021 24/12/2021
DP220102933	Developmental trajectory of tongue control for speech with real-time MRI To use or not to use financial incentives for motivation and performance	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$417,516	24/12/2021
DP220102946 DP220102952	To use or not to use financial incentives for motivation and performance Artificial Intelligence, Robots, and Agriculture: Social and ethical issues	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$247,545 \$630,000	24/12/2021 24/12/2021
LP210100090 DP220102958	Missing girls: From childhood runaways to criminalised women Genomic vulnerability	Linkage Projects Discovery Projects	02/12/2021	Approved Approved	20/12/2021	22/12/2021	\$204,307 \$573,144	22/12/2021 24/12/2021
DP220102969	Enhancing marine bathymetry using new generation satellite sensors	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$573,144 \$525,000	24/12/2021
DP220102976 DP220102985	Intergenerational Transmission of Inequality Political connections and the cleantech transition in China and Australia	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$380,124 \$391,682	24/12/2021 24/12/2021
LP210100092 DP220102997	Noise-free Cryogenic Wavefront Sensing	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021 23/12/2021	\$238,000 \$460,000	22/12/2021
DP220103005	Defining the antiviral effects of Wolbachia in Aedes aegypti mosquitoes Creative Antarctica: Australian Artists and Writers in the Far South	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$314,000	24/12/2021 24/12/2021
LP210100096 DP220103023	Australian human rights complaints: Litigation, mediation or conciliation How does temperature affect complex life histories? A Cost Theory approach	Linkage Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	20/12/2021	22/12/2021 23/12/2021	\$226,583 \$526,000	22/12/2021 24/12/2021
DP220103024	How electric fields can facilitate reversible protein binding to surfaces	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$432,386	24/12/2021
DP220103026 DP220103027	Unlocking the anchors of soil organic carbon to manage climate change What goes on inside subduction zones?	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$480,000 \$295,000	24/12/2021 24/12/2021
DP220103028	Autocyclases: A new class of self-cyclising proteins	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$431,873	24/12/2021
DP220103037 LP210100098	Garnet speed dating: Innovation for fast tectonic problem solving Constructing a rich curriculum for all: 'Insights into practice'	Discovery Projects Linkage Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 22/12/2021	\$284,494 \$179,998	24/12/2021 22/12/2021
DP220103043 DP220103044	A Green and Fire-resistant Magnesium Oxychloride Cementitious Composite Intelligent Incident Management for Software-Intensive Systems	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$352,000 \$262,500	24/12/2021 24/12/2021
DP220103045	Cold catalysis for water splitting	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$340,000	24/12/2021
DP220103047 DP220103054	Brain mechanisms for coordinating with others through sound Enhancing and evaluating stakeholder engagement for improved water outcomes	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$612,511 \$369,000	24/12/2021 24/12/2021
LP210100099	Breakthrough technologies in implantable bionics	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$1,088,787	22/12/2021
DP220103074 DP220103091	Enumeration and random generation of contingency tables with given margins Correlative Imaging of Brain Lipids	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$322,000 \$420,000	24/12/2021 24/12/2021
DP220103098 DP220103108	Imaging the spatial distribution of forces that bind quarks to a proton Can green investors drive the transition to a low emissions economy?	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$395,000 \$390,000	24/12/2021 24/12/2021
DP220103128	Towards High-Order Structure Search on Large-Scale Graphs	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$510,000	24/12/2021
DP220103135 LP210100101	Establishing Design Principles Of Polymers For Intracellular Delivery Gut Absorption of Constrained Peptides for Local and Systemic Targeting	Discovery Projects Linkage Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$510,000 \$711,535	24/12/2021 22/12/2021
DP220103155	The effect of unconventional advocates on public support for climate policy	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$432,467	24/12/2021
DP220103156 DP220103160	Multiscale modelling of systems with complex microscale detail Towards predictive 4D computational models for the heart	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$375,000 \$396,000	24/12/2021 24/12/2021
DP220103174 DP220103181	Investigating memory reliability in intoxicated witnesses of crime	Discovery Projects Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$525,427 \$670,000	24/12/2021 24/12/2021
DP220103197	Ytterbium fibre laser with diamond: new laser threshold magnetometry method The structural basis for MPEG1 mediated assembly of immune complexes	Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$550,958	24/12/2021
DP220103209 DP220103213	Large Scale Natural Convection Boundary Layers with Non-Boussinesq Effects Developing Resilient Housing for Low Socio-Economic Older People	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$393,529 \$375,000	24/12/2021 24/12/2021
DP220103214	Agents of Disinformation: The Rise of Counterfeit Election Observers	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$166,134	24/12/2021
DP220103222 DP220103223	Ductile grinding mechanism and technology of brittle single crystals Korean Migration to Australia	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$445,000 \$192,795	24/12/2021 24/12/2021
DP220103228	Ultrathin III-V Solar Cells via Crack-Assisted Layer Exfoliation	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$480,000	24/12/2021
DP220103229 DP220103233	Beyond the Ferroelectric Field Effect Transistors Averting Disaster: New Ways to Assess Bushfire Risk and Building Integrity	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$510,000 \$360,000	24/12/2021 24/12/2021
DP220103234 DP220103265	Ancestral state reconstruction and the evolution of Australian marsupials Testing links between genomic and morphological evolutionary rates	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$475,000 \$461,510	24/12/2021 24/12/2021
DP220103268	Bioelectrochemical interconversion of the building blocks of life	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$346,000	24/12/2021
DP220103269 DP220103275	New methods for modelling real-world extremes Fundamentals of Electrically Conductive Elastomer Composites	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$405,000 \$210,000	24/12/2021 24/12/2021
DP220103281 DP220103289	Sensing and Communications for Tactical Radio: Mapping the RF Weather	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$420,000 \$686,263	24/12/2021
DP220103291	Opening and closing doors in the fetal circulation impacts brain metabolism Diet, gut microbiota and the evolution of lifespan and reproduction	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$501,579	24/12/2021 24/12/2021
DP220103294 DP220103301	Anion Exchange Membrane Water Electrolysis for Clean Hydrogen Production Sodium-Metal-Free, Safe and Sustainable Sodium-Ion Sulfur Batteries	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$550,000 \$390,000	24/12/2021 24/12/2021
DP220103306	Physician Preferences for Medical Innovation	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$220,602	24/12/2021
DP220103309 DP220103315	Dissecting the Brain Circuitry Shaping Fear Regulation Across Development Addressing the deficit in men's participation in paid care work	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$359,699 \$200,000	24/12/2021 24/12/2021
DP220103325 DP220103330	Are Secreted Proteins determinants of host range in ectomycorrhizal fungi? Advancing the Science of Giant Planet Atmospheric Entry	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$440,072 \$585,000	24/12/2021 24/12/2021
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DP220103350 DP220103352	The costs and consequences of resistance to stress in microbial systems General systems modelling of hydrogen production network in Australia	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$302,027 \$420,000	24/12/2021 24/12/2021
DP220103362 DP220103371	Coupled effects of stress and temperature changes on concrete structures Mechanistic responses of phosphorus-limited forests to CO2 enrichment	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$224,000 \$368.981	24/12/2021 24/12/2021
DP220103381 DP220103384	A novel quantitative risk assessment framework for fractured rock slopes Galactic seismology: a new window on Milky Way's evolution	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$453,000 \$420,000	24/12/2021 24/12/2021
DP220103391	Neuronal Control of Adaptive Walking	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$469,145	24/12/2021
DP220103393 DP220103407	Biologically inert probes to unravel nutrient directed cellular processing Ultrahigh strength maraging titanium alloys for additive manufacturing	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$552,811 \$450,000	24/12/2021 24/12/2021
DP220103416 LP210100118	Developing novel two-dimensional hybrid nanostructures for renewable energy Unlocking the genetic and biochemical potential of kangaroo paws	Discovery Projects Linkage Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$380,000 \$499,654	24/12/2021 22/12/2021
DP220103421 LE220100007	Manipulative tests of metabolic theory Australian Participation in the Legacy Survey of Space and Time	Discovery Projects Linkage Infrastructure, Equipment and	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$480,000 \$1,275,295	24/12/2021 22/12/2021
DP220103430	The rare biosphere: discovering how soil bacteria live on air	Facilities Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$490.649	24/12/2021
LE220100009	Enhanced high-field nuclear magnetic resonance spectroscopy	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$170,000	22/12/2021
LE220100010	Modularised cultural heritage archives – future-proofing PARADISEC	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$620,000	22/12/2021
DP220103439 DP220103440	A Novel Approach To Flow Control By Topography Understanding the survival of forests under drought	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$405,000 \$431,137	24/12/2021 24/12/2021
DP220103444 DP220103458	The control of cell signalling by membrane remodelling	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$464,000	24/12/2021
DP220103462	Novel hydrogen-rich liquids for storing and transporting hydrogen at scale Impacts of diet on the brain, body, and microbiome	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$460,000 \$387,000	24/12/2021 24/12/2021
LE220100022 DP220103466	Solar Photovoltaics forecasting for efficient power management	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$475,000 \$537.000	22/12/2021
DP220103467	Understanding chaperone function, one molecule at a time Synthesis of enriched silicon for long-lived donor quantum states	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$513,395	24/12/2021
DP220103484 DP220103487	Behavioural resilience to climatic variability The immune response as a determinant of female reproductive investment	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$358,886 \$629,916	24/12/2021 24/12/2021
LP210100122 DP220103498	Alcohol and tobacco use among lesbian, bisexual and queer identifying women A systems materials engineering strategy for hybrid ion capacitors	Linkage Projects Discovery Projects	02/12/2021	Approved Approved	20/12/2021	22/12/2021 23/12/2021	\$291,517 \$555,000	22/12/2021 24/12/2021
LE220100025	DynaMix-FM, dynamic mixed reality environment for future mobility	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$548,940	22/12/2021
DP220103512 LP210100129	Tackling the computational bottleneck in precision particle physics Knowledge discovery and recommendation of multimedia data in healthcare	Discovery Projects Linkage Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$386,000 \$376,770	24/12/2021 22/12/2021
DP220103526 LE220100028	Improving novice drivers' speed and hazard management. A national einfrastructure for high-resolution population spatial modelling	Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$268,904 \$315,024	24/12/2021 22/12/2021
DP220103530	Using venoms to map critical and evolutionary conserved vulnerabilities	Facilities Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$528,000	24/12/2021
DP220103531	How do cells survive nutrient stress? Insight into mechanisms.	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$480,564	24/12/2021
LE220100030 DP220103540	National Facility for Physical Fire Simulation Playing Conditions: How Climate Shaped the Elizabethan Theatre	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$1,213,351	22/12/2021 24/12/2021
LE220100031	A cyclic ion-mobility mass spectrometer for resolving molecular isomers	Discovery Projects Linkage Infrastructure, Equipment and	02/12/2021	Not Approved Approved	20/12/2021	22/12/2021	\$630,880	22/12/2021
DP220103543	Nanoengineering of Biomaterial Surfaces to Tailor Innate Immune Responses	Facilities Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$529,846	24/12/2021
DP220103545 DP220103548	Understanding the diverse biology of CD4+ T cell resident memory Adaptation by DNA download: Experimental evolution of a pangenome	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$770,000 \$355,321	24/12/2021 24/12/2021
DP220103549 DP220103550	Making peptides orally bioavailable Unravelling the mechanisms of sodium-selectivity in biological ion channels	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$438,907 \$364,813	24/12/2021 24/12/2021
DP220103553 LE220100034	A new model for animal growth A platform for upscaled demonstration of emerging photovoltaic materials	Discovery Projects Linkage Infrastructure, Equipment and	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$659,354 \$817,476	24/12/2021 22/12/2021
LE220100035	Australian 3D Beam Measurement Platform from Radio Waves to Terahertz Waves	Facilities Linkage Infrastructure, Equipment and	02/12/2021	Approved	20/12/2021	22/12/2021	\$520,000	22/12/2021
DP220103555	Regulatory roles of the RNA helicase DDX5 in male germline stem cells	Facilities Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$567,198	24/12/2021
LE220100037	MAVIS: A Revolutionary New Instrument for the European Southern Observatory	Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$1,749,940	22/12/2021
DP220103559 LE220100040	Dynamics of mitochondrial cristae in life and death The Australian Rental Monitor: A Data Infrastructure	Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$540,000 \$560,000	24/12/2021 22/12/2021
DP220103573	Analysis and design of midrise built-up cold-formed steel structures	Facilities Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$390,000	24/12/2021
DP220103584 DP220103596	Charge and energy transport in disordered functional materials Orthogonal Time Frequency Space Modulation for Future Mobile Communications	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$381,000 \$490,000	24/12/2021 24/12/2021
DP220103696 DP220103611 DP220103624	Urmogona ilme requency space industation for Future Mobile Communications Lightly Loaded Energy Farm Foundations in Cracked Desiccated Soil Quantum Nanostructure Positioning for Breakthrough Quantum Photonics	Discovery Projects Discovery Projects Discovery Projects	02/12/2021 02/12/2021 02/12/2021	Approved Approved Approved	23/12/2021 23/12/2021 23/12/2021	23/12/2021 23/12/2021 23/12/2021	\$490,000 \$250,000 \$460,000	24/12/2021 24/12/2021 24/12/2021
DP220103632	Combating Antimicrobial Resistance with Bismuth, Gallium and Indium	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$635,000	24/12/2021
DP220103633 DP220103637	Journals in Theory: Practices of Academic Judgment Safe, Plug and Play, Multi Agent Dynamic Systems	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$675,000 \$415,000	24/12/2021 24/12/2021
DP220103638 LE220100050	Systems-level characterization of scaffold protein signalling networks Enhancing the SA Regional Facility for Molecular Ecology & Evolution	Discovery Projects Linkage Infrastructure, Equipment and	02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$602,000 \$361,354	24/12/2021 22/12/2021
DP220103640	Regulators of protein translation reveal new pathways to plant productivity	Facilities Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$441,000	24/12/2021
DP220103650 DP220103654	Existing knowledge determines how new experiences are encoded in the brain. Functional Materials to Hijack on Lipid Transport Pathways	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$405,884 \$436,908	24/12/2021 24/12/2021
DP220103665 DP220103667	Multifunctional Structural Panels for Next-generation Infrastructure Engineering self-assembled intracellular biological condensates	Discovery Projects	02/12/2021 02/12/2021	Approved	23/12/2021	23/12/2021 23/12/2021	\$308,000 \$650,573	24/12/2021 24/12/2021
DP220103668	A Concurrent Multiscale Model for Improved Prediction of Drying Process	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$430,000	24/12/2021
DP220103669 DP220103679	Advanced Proton-Conducting Ceramic FCs for Power Generation from Ammonia NanoMslide: plasmon-enhanced ptychographic phase microscopy	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$370,000 \$274,673	24/12/2021 24/12/2021
DP220103690 LE220100057	Anomalous Structural Response in Porous Framework Materials The Australian Emulation Network: Born Digital Cultural Collections Access	Discovery Projects Linkage Infrastructure, Equipment and	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$510,000 \$751,723	24/12/2021 22/12/2021
DP220103700	Metabolite regulation of mitochondrial fission	Facilities Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$554,000	24/12/2021
LE220100060	Australian Peptide Display Facility	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$772,676	22/12/2021
DP220103708 DP220103711	How do females overcome fear? New insights from the maternal brain is climate change altering the carrying capacity of the world's forests?	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$418,416 \$642,000	24/12/2021 24/12/2021
DP220103714 LP210100149	Enhanced Synthetic Efficiency For Molecular Complexity and Diversity Life After Digitisation: Future-Proofing WA's Vulnerable Cultural Heritage	Discovery Projects Linkage Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$446,061 \$1,069,066	24/12/2021 22/12/2021
DP220103715	Unravelling the rules on particle assembly into superstructures	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$381,000	24/12/2021
DP220103717 DP220103731	Contextual Behabiour Predictions in Dynamic Mobile E-commerce Directionality-Aware Cohesive Subgraph Search over Directed Graphs	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$405,000 \$476,344	24/12/2021 24/12/2021
LE220100068	An integrated analytical network for protein characterisation	Linkage Infrastructure, Equipment and Facilities Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$727,596	22/12/2021
LP210100155 DP220103759	GM Holden and the Mobilisation of Private Industry during World War II Change agents and sustainability transformations in the water sector	Discovery Projects	02/12/2021 02/12/2021	Approved Approved	20/12/2021 23/12/2021	22/12/2021 23/12/2021	\$403,236 \$309,069	22/12/2021 24/12/2021
DP220103767 DP220103782	Mapping the physics of planet formation Life among giants: Jovian exoplanets and the habitable zone	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$300,000 \$420,000	24/12/2021 24/12/2021
DP220103783 LE220100073	Metal Halide Perovskite Spin-Orbit Torque Devices A geotechnical centrifuge to underpin Australia's energy and construction	Discovery Projects Linkage Infrastructure, Equipment and	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$423,000 \$932,000	24/12/2021 22/12/2021
DP220103800	Imaging Symmetry – A New Mechanism for Revealing the Structure of Matter	Facilities Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$510.000	24/12/2021
DP220103803 DP220103810	Geometric reasoning in computer vision with using only 2D supervision The role of phosphoinositides in endosomal maturation dynamics.	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$435,000 \$580,000	24/12/2021 24/12/2021
DP220103811	Inequality, Prosperity and the Australian Welfare State	Discovery Projects	02/12/2021	Approved	23/12/2021	23/12/2021	\$498,673	24/12/2021
DP220103812 DP220103815	The physics and biology of hearing in larval fish Al Planning: The Next Generation	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021 23/12/2021	\$496,436 \$480,000	24/12/2021 24/12/2021
DP220103823 DP220103829	Understanding the impact of heat stress on cognition in a changing world Familial Separation, Emotions, and Jewish Child Refugees, 1933-1945	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$397,000 \$197,312	24/12/2021 24/12/2021
LE220100075	Space Resources Environmental Analogue Facility	Linkage Infrastructure, Equipment and Facilities		Approved	20/12/2021	22/12/2021	\$2,098,355	22/12/2021
DP220103833 DP220103846	Passive biofiltration processes for nitrogen removal from polluted waters Investing in ecological portfolios: retaining migratory strategies of fish	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021 23/12/2021	\$450,000 \$509.000	24/12/2021 24/12/2021
LE220100078	A Secure Smart Sensing and Industry Analytics Facility for Industry 4.0	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$538,350	22/12/2021
DP220103857 DP220103873	Pipeline backfill reimagined to provide in-line corrosion protection Elliptical nozzles: the shape of silence?	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$353,400 \$427,060	24/12/2021 24/12/2021
DP220103881 LP210100166	Customer Centred Peer-to-Peer Energy Trading Framework for Future Grids Reducing self-harm and suicidal behaviours in young people in WA	Discovery Projects Linkage Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$480,000 \$395,000	24/12/2021 22/12/2021
LE220100083	Integrated volatile-mineral-isotope micro-analysis of Earth environments	Linkage Infrastructure, Equipment and Facilities		Approved	20/12/2021	22/12/2021	\$344,864	22/12/2021
LE220100084	The MARVEL exoplanet facility	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$296,339	22/12/2021
LE220100085	Scoping the world of ultra-thin film and ultra-high pressure environments	Linkage Infrastructure, Equipment and		Approved	20/12/2021	22/12/2021	\$521,816	22/12/2021
DP220103907 DP220103921	Sustainable recovery of gas hydrate using carbondioxide Novel governance for marine ecosystems in rapid transition	Discovery Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 23/12/2021	23/12/2021	\$328,000 \$401,000	24/12/2021 24/12/2021
LP210100170 DP220103927	A humanised sensory neuron high-throughput screening platform Understanding co-activator function in transcriptional regulation	Linkage Projects Discovery Projects	02/12/2021	Approved Approved	20/12/2021	22/12/2021 23/12/2021	\$169,516 \$515,698	22/12/2021 24/12/2021
DP220103928 LE220100089	Understanding co-activator function in transcriptional regulation Advanced multivariable nonlinear control methodology for matrix converters HydroBox: A containerised hydrochemistry lab for Australian oceanography	Discovery Projects	02/12/2021 02/12/2021 02/12/2021	Approved	23/12/2021 23/12/2021 20/12/2021	23/12/2021 23/12/2021 22/12/2021	\$495,000 \$552,086	24/12/2021 24/12/2021 22/12/2021
LE220100089 DP220103933	HydroBox: A containerised hydrochemistry lab for Australian oceanography System-level characterisation of the siphonophore. Indo-Pacific man o' war	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$552,086 \$568,152	22/12/2021 24/12/2021
DP220103934	Structure and metabolism of bioactive carbohydrates from brown algae	Discovery Projects Discovery Projects	02/12/2021	Approved Approved	23/12/2021	23/12/2021	\$621,200	24/12/2021
LP210100173 DP220103941	New digital deep-time exploration tools for a low-emissions economy Fundamental neurocognitive mechanisms underpinning creative thought	Linkage Projects Discovery Projects	02/12/2021 02/12/2021	Approved Approved	20/12/2021 23/12/2021	22/12/2021 23/12/2021	\$415,676 \$608,892	22/12/2021 24/12/2021
LP210100175 LP210100177	Grown not extracted: high performance plant-based polymer packaging Strengthening Relationships for Young People in Residential Care	Linkage Projects Linkage Projects	02/12/2021 02/12/2021	Approved Approved	20/12/2021 20/12/2021	22/12/2021 22/12/2021	\$617,990 \$429,569	22/12/2021 22/12/2021
DP220103951 LP210100181	Keeping forces local for epithelial homeostasis Family Violence Triage in Family Courts: Safety, Efficacy and Benefit	Discovery Projects Linkage Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$570,000 \$792,672	24/12/2021 22/12/2021
LE220100095	Facility for enabling low thermal budget Si/SiGe technologies	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$580,000	22/12/2021
DP220103991 LE220100103	Privacy preserving and data utility in outsourced systems An autonomous sea state monitoring system for Australia's research fleet	Discovery Projects Linkage Infrastructure, Equipment and	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021	\$465,000 \$328,389	24/12/2021 22/12/2021
LP210100103	An autonomous sea state monitoring system for Australia's research neet Engineered clay-polysaccharide composites for efficient nutrient delivery	Facilities Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$328,389 \$389,009	22/12/2021
LE220100104	X-LAB beamline: accelerating applied research with tunable electron beams	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$391,000	22/12/2021
LE220100107	MATRIX: enhancing access to global research in the mathematical sciences	Linkage Infrastructure, Equipment and Facilities		Approved	20/12/2021	22/12/2021	\$347,000	22/12/2021
LE220100108	Atomic Scale Control over Quantum Materials	Linkage Infrastructure, Equipment and Facilities		Approved	20/12/2021	22/12/2021	\$1,173,128	22/12/2021
DP220104008 LP210100204	Understanding the neural dynamics of integrated perceptual decisions Cancer culture: understanding anti-cancer campaigns in Australia	Discovery Projects Linkage Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$565,230 \$566,400	24/12/2021 22/12/2021
LE220100111	Nano-IR Facility for the Search of New Multifunctional Materials	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$738,750	22/12/2021
LE220100114	Advanced materials synthesis and environmental characterisation facility	Linkage Infrastructure, Equipment and Facilities		Approved	20/12/2021	22/12/2021	\$1,040,375	22/12/2021
DP220104021 LP210100209	Non-differentiable Energy Minimisation For Modelling Fractured Porous Media New Lead-Free Brass Solutions for Drinking Water Applications	Discovery Projects Linkage Projects	02/12/2021 02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021	\$373,000 \$444,000	24/12/2021 22/12/2021
LP210100209 LP210100217 DP220104036	Industrially Viable Routes for fabrication of Perovskite Solar Cells	Linkage Projects Discovery Projects	02/12/2021 02/12/2021 02/12/2021	Approved	20/12/2021	22/12/2021 22/12/2021 23/12/2021	\$444,000 \$358,268 \$611,000	22/12/2021 22/12/2021 24/12/2021
LE220100125	Mapping networks governing cell state plasticity: how, where and when? National groundwater recharge observing system			Approved Approved	20/12/2021	22/12/2021	\$611,000 \$158,845	24/12/2021 22/12/2021
LE220100126	The milli-arcsecond cosmos: astrophysical imaging with Heimdallr	Facilities Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$770,000	22/12/2021
DP220104043 LE220100130	Academic Entrepreneurship in Australian Universities Versatile large propagation system for multi-disciplinary repeats.	Discovery Projects	02/12/2021	Approved Approved	23/12/2021 20/12/2021	23/12/2021 22/12/2021	\$203,448 \$480,000	24/12/2021 22/12/2021
LE220100130 LE220100132	Versatile laser processing system for multi-disciplinary research A facility to produce and quantify accelerated flow mixing at high fidelity	Linkage Infrastructure, Equipment and Facilities Linkage Infrastructure, Equipment and		Approved Approved	20/12/2021	22/12/2021	\$480,000 \$660,000	22/12/2021
LE220100132 LE220100138	A facility to produce and quantity accelerated flow mixing at high tidelity Advanced lattice light sheet microscope optimised for biological imaging	Linkage Infrastructure, Equipment and Facilities Linkage Infrastructure, Equipment and		Approved Approved	20/12/2021	22/12/2021	\$880,000	22/12/2021
LE220100138 LE220100140	Near Infrared Fluorescence and Photoacoustic Imaging Facility	Facilities Linkage Infrastructure, Equipment and		Approved	20/12/2021	22/12/2021	\$899,691	22/12/2021
	The Safer Scooting Study	Facilities Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$298,811	22/12/2021
LP210100240			02/12/2021	Approved	20/12/2021	22/12/2021	\$389.526	22/12/2021
LE220100144	Mass spectrometry for mass geochronology	Facilities						
	Mass spectrometry for mass geochronology Rare Earth Metal Separation by Polymer Inclusion Membranes Transportable high-power blue laser for processing of reflective materials	Linkage Infrastructure, Equipment and Facilities Linkage Projects Linkage Infrastructure, Equipment and	02/12/2021	Approved Approved	20/12/2021 20/12/2021	22/12/2021 22/12/2021	\$318,305 \$320,000	22/12/2021 22/12/2021

LE220100153	Equipment for research on future gravitational wave detectors	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$385,000	22/12/2021
LP210100271	Damage Detection and Quantification using Infrastructure Digital Twins	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$290,831	22/12/2021
LP210100272	Promoting active travel and public transport for a post-pandemic world	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$282,298	22/12/2021
LE220100157	Investigating biological processes in tissues by spatial profiling	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$535,000	22/12/2021
LE220100165	An in-situ and multiscale scanning electron microscopy suite	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$2,020,000	22/12/2021
LP210100290	Real-time scheduling of trains to control peak electricity demand	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$285,638	22/12/2021
LE220100168	BioSHeM: A High-Resolution Imaging and Spectroscopic Helium Atom Microscope	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$420,347	22/12/2021
LP210100300	Are kangaroos jeopardizing conservation outcomes?	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$434,116	22/12/2021
LE220100177	Microanalytical Facility Supporting Resources Development and Manufacturing	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$1,650,000	22/12/2021
LP210100304	Deadly Futures: Enabling Indigenous Children's Literacy, Numeracy, Wellbeing	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$777,000	22/12/2021
LE220100179	SA Spectromicroscopy Facility: From Band Mapping to Atomic Scale Imaging	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$405,049	22/12/2021
LE220100182	Metallurgical Facility for Solid-State Additive Manufacturing	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$851,607	22/12/2021
LE220100185	A flow cytometry suite for multiscale biosorting	Linkage Infrastructure, Equipment and Facilities	02/12/2021	Approved	20/12/2021	22/12/2021	\$675,000	22/12/2021
LP210100337	Robust and Scalable Autonomous Landing for Drones	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$459,593	22/12/2021
LP210100343	Automated Sensors for a 'wetland in a box'	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$478,589	22/12/2021
LP210100360	A Novel Inline High-Efficiency Motor/Pump System	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$151,404	22/12/2021
LP210100378	Wideband Silicon-Based Radio-Frequency Front-End Module for 5G New Radio	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$397,922	22/12/2021
LP210100379	The economic and social contribution of the Western Australian CME sector	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$395,790	22/12/2021
LP210100386	Optimising artificial reef structures for nature-based coastal protection	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$433,540	22/12/2021
LP210100387	Socio-cultural Factors and the Use of Therapeutic Opioids in Indonesia	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$159,067	22/12/2021
LP210100397	Efficiently unlocking full-scale WEC dynamics for industry cost reduction	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$280,000	22/12/2021
LP210100414	Transfer Learning for Genome Analysis and Personalised Recommendation	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$698,782	22/12/2021
LP210100415	Beyond the limits of corrosion detection in inaccessible areas	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$372,554	22/12/2021
LP210100426	Fabrication of silicon solar cells in a Lunar-like vacuum environment	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$417,229	22/12/2021
LP210100430	Sustaining intensive agriculture through droughts and floods	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$897,337	22/12/2021
LP210100435	Advanced Molecular Frameworks for Sodium Battery Electrode Applications	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$597,373	22/12/2021
LP210100436	Nanoscale heating towards high efficient nitrogen reduction reduction	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$520,000	22/12/2021
LP210100437	In-situ biofunctionalisation for additive manufacturing	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$431,567	22/12/2021
LP210100447	Advanced metallisation for III-V Photovoltaic Solar Power Systems	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$460,485	22/12/2021
LP210100450	Designing successful genetic-rescue approaches for threatened species	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$770,622	22/12/2021
LP210100451	Engineering safer pastures for livestock	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$957,679	22/12/2021
LP210100458	Unleashing the Hidden Chemical Diversity in Australian Fungi	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$790,268	22/12/2021
LP210100467	High yield adaptive laser nanomanufacturing system for photonic devices	Linkage Projects	02/12/2021	Approved	20/12/2021	22/12/2021	\$470,000	22/12/2021

⁽a) Application number
(b) Title of application
(c) Scheme
(d) Date received by Minister
(d) Date received by Minister
(d) Date of Minister's decision
(f) Date of Minister's decision
(g) Date of Minister's decision
(g) Date of Minister's decision
(g) Whether the grant was publicly announced and, if so, the date of the announcement