

Awarded Projects for the 2025 A*STAR-DFG Joint Grant Call on Sustainable Chemistry

S/N	Project Title	Singapore-Based Principal Investigators (PIs)	Singapore Host Institution	Partner Institution
1	Sustainable catalytic hydrogenation with ultimate noble metal efficiency – A knowledge-based approach	Asst Prof Sergey Kozlov	NUS	-
2	Reversible, electrocuring resins from cationic lipoates	Assoc Prof Terry Steele	NTU	-
3	Rational Design of Sustainable Bio-based Thermosets: Integrating Experiments, Simulations, and Machine Learning for Enhanced Performance	Dr Li Nannan	A*STAR	-
4	Naturally Derived Photocycloaddition Chromophores and Macromolecules for Visible Light-enabled and Catalyst-free Soft Matter Material Synthesis	Dr Vinh Truong	A*STAR	-
5	Polar-Soluble Ligands and Multiphase Flow Systems for Hydroxycarbonylation of Renewable Alkenes	Dr James David Nobbs	A*STAR	-
6	AI-Driven Materials Development for Sustainable Rare Earth Element Recovery Using Electrodialysis	Asst Prof Edison Ang Huixiang	NTU	-
7	Tailored Ceramic Electrodes for High-Performance Protonic Ammonia Fuel Cells	Assoc Prof Daniel Chua	NUS	-
8	Sustainable Biopolymers as Alternative Binders in Electrochemical Systems for Green Chemical Transformations	Asst Prof Andrew Wong	NUS	-