

Awards

1. School of Physical and Mathematical Sciences Young Researcher Award 2019
2. Keynote Lectureship, Asian International Symposium for Outstanding Scientists, The Chemical Society of Japan, 2019
3. Nanyang Education Award (NEA) 2017/2018 – School
4. School of Physical and Mathematical Sciences Teaching Excellence Award 2016/2017
5. APA Prize for Young Scientists 2016, The Asian and Oceanian Photochemistry Association
6. Nanyang Assistant Professorship, Nanyang Technological University, 2013
7. Departmental Fellowship, Chemistry Department, U. C. Berkeley, 2007
8. Phi Beta Kappa Honors Society, Massachusetts Institute of Technology, 2003
 - Prestigious academic honor society for the most outstanding students in the liberal arts and sciences in the United States.
9. Alpha Chi Sigma Award, Massachusetts Institute of Technology, 2003
 - Outstanding achievement in scholarship, research, and service to the department.
10. Strem Prize, Massachusetts Institute of Technology, 2002, 2003
 - Awarded for the best undergraduate research presentation at the chemistry UROP symposium.
11. Overseas Merit Scholarship, Public Service Commission, Singapore, 1999 – 2003

Research Funding

1. **PI** for the Pfizer-only PIPS Grant “(Photo)electrocatalytic Dehydrogenative Cross-Coupling of (Hetero)arenes Paired with Electrocatalytic Reduction Reactions”; expiring Dec 2022.
2. **PI** for the A*STAR AME IRG Grant “High-Throughput Screening of Perovskites for Catalysis by Mechanochemistry and Machine Learning”; expiring Sep 2023.
3. **PI** for MOE Tier 1 Grant “(Hetero)arene C-H Activation and Umpolung Nucleophilic Substitution by High-Valent Iron on (Photo)electrochemical Cells”; expiring Feb 2021.
4. **PI** for the A*STAR AME IRG Grant “C-C bond activation with photoredox vanadium catalysts under flow conditions towards advanced fine chemicals and pharmaceutical manufacturing”; expiring Dec 2020.
5. Co-PI for the A*STAR AME IRG Grant “Novel porous materials for highly efficient CO₂ capture and catalytic conversion” together with Prof. Zhao Yanli as PI; expiring Jun 2020.
6. Co-PI for the A*STAR AME IRG Grant “Mechanochemical Approaches to Main Group Solid-State Photoredox Systems” together with Prof. Felipe Garcia as PI; expiring Jun 2021.
7. **PI** for MOE Tier 1 Grant “Molecular copper complexes as luminophores for affordable, energy-efficient, and ultra-bright organic light emitting diodes” in collaboration with Prof. Eli Zysman-Colman (University of St Andrews, UK); expiring Oct 2019.

8. **PI** for MOE Tier 1 Grant “Development of photocatalytic systems for H₂ evolution from seawater using Earth-abundant molecular components and solar energy”; expiring Sep 2018.
9. **PI** of collaboration with ICES (A*STAR) for seed funding under project “Development of multifunctional and microfluidic flow reactor for biomass lignin to chemicals by photodriven oxidative catalysis”; expiring Mar 2017.
10. **PI** of collaboration with Johnson Matthey Singapore for IGS student under project “Photocatalytic degradation of model pollutants in aqueous media”; expiring Jan 2018.
11. Co-PI of the NRF’s Campus for Research Excellence And Technological Enterprise (CREATE), the Singapore-Berkeley Initiative for Sustainable Energy (SINBERISE). Funding for starting a research programme in “Reinventing the anthropogenic resource cycle with hybrid nanomaterials”; expiring Dec 2017.
12. **PI** of Nanyang Assistant Professorship; “Innovated photosynthesis by simultaneous CO₂ reduction and pollutant oxidation”; expiring Mar 2016.
13. **PI** for MOE Tier 1 Grant “Designing earth-abundant visible light absorbers for capturing solar energy”; expiring Mar 2016.
14. **PI** for NTU Start-Up Grant “Integrated renewable energy and environmental remediation strategies: Innovated photosynthesis using molecular catalysts grafted on nanomaterials”; expiring Sep 2015.