

# Freda C H Lim

## List of Publications by Year in descending order

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Version: 2024-02-01

9  
papers

159  
citations

1307594

7  
h-index

1588992

8  
g-index

9  
all docs

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docs citations

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times ranked

228  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial Properties and Monolayer Collapse of Alkyl Benzenesulfonate Surfactant Monolayers at the Decane–Water Interface from Molecular Dynamics Simulations. <i>Langmuir</i> , 2017, 33, 4461-4476.	3.5	44
2	A density functional theory study of CO oxidation on Pd-Ni alloy with sandwich structure. <i>Applied Catalysis A: General</i> , 2013, 451, 79-85.	4.3	35
3	A systematic investigation of the ring size effects on the free radical ring-opening polymerization (rROP) of cyclic ketene acetal (CKA) using both experimental and theoretical approach. <i>Journal of Polymer Science</i> , 2020, 58, 1728-1738.	3.8	19
4	Achieving an Optimal $T_g$ Change by Elucidating the Polymer–Nanoparticle Interface: A Molecular Dynamics Simulation Study of the Poly(vinyl alcohol)–Silica Nanocomposite System. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23995-24006.	3.1	18
5	Elucidating the Role of Interfacial Hydrogen Bonds on Glass Transition Temperature Change in a Poly(Vinyl Alcohol)/SiO <sub>2</sub> Polymer–Nanocomposite by Noncovalent Interaction Characterization and Atomistic Molecular Dynamics Simulations. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000240.	3.9	17
6	Insights into the Structure of Covalently Bound Fatty Acid Monolayers on a Simplified Model of the Hair Epicuticle from Molecular Dynamics Simulations. <i>Langmuir</i> , 2012, 28, 13008-13017.	3.5	14
7	Decomposition of SiH <sub>3</sub> to SiH <sub>2</sub> on Si(100)-(2×1). <i>Physical Review B</i> , 2006, 74, .	3.2	10
8	Interactions between poloxamer, PEOx-PPOy-PEOx, and non-ionic surfactant, sucrose monolaurate: A study on potential allergenic effect using model phospholipid membrane. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 209, 112153.	5.0	2
9	Ultrafast laser-induced changes in optical properties of semiconductors. <i>Journal of Applied Physics</i> , 2012, 111, 073501.	2.5	0