

# Freda C H Lim

## List of Publications by Year in descending order

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9  
papers

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citations

1307594

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1588992

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times ranked

228  
citing authors

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