

Amanda S Koh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

284
citations

12
h-index

16
g-index

21
ext. papers

373
ext. citations

4.7
avg, IF

3.92
L-index

#	Paper	IF	Citations
20	Effects of filler composition, loading, and geometry on the dielectric loss, partial discharge, and dielectric strength of liquid metal polymer composites. <i>Composites Part B: Engineering</i> , 2022 , 234, 109685	10	4
19	Performance and Stability of Magnetorheological Fluids: A Detailed Review of the State of the Art. <i>Advanced Engineering Materials</i> , 2021 , 23, 2001458	3.5	4
18	Simultaneous Thermo-Magnetorheological Response of Magnetorheological Fluids: Effect of Concentration and Composition. <i>IEEE Transactions on Magnetics</i> , 2021 , 1-1	2	1
17	Recent Advances in Deformable Circuit Components with Liquid Metal. <i>Advanced Electronic Materials</i> , 2021 , 7, 2001006	6.4	9
16	Polymer-Based Devices and Remediation Strategies for Emerging Contaminants in Water. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 549-577	4.3	12
15	Soft mechanical and biochemical sensors 2021 , 107-132		
14	Interfacial Phenomena of Advanced Composite Materials toward Wearable Platforms for Biological and Environmental Monitoring Sensors, Armor, and Soft Robotics. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901851	4.6	12
13	Biosurfactants from Waste: Structures and Interfacial Properties of Sophorolipids Produced from a Residual Oil Cake. <i>Journal of Surfactants and Detergents</i> , 2020 , 23, 481-486	1.9	19
12	Solidification and melting phase change behavior of eutectic gallium-indium-tin. <i>Materialia</i> , 2019 , 8, 100512	12	13
11	Liquid Metal Broadband Monopole for Stretchable Electronics 2019 ,		1
10	Characterization and Manipulation of Interfacial Activity for Aqueous Galinstan Dispersions. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701240	4.6	13
9	Deformable liquid metal polymer composites with tunable electronic and mechanical properties. <i>Journal of Materials Research</i> , 2018 , 33, 2443-2453	2.5	26
8	Production and characterization of sophorolipids from stearic acid by solid-state fermentation, a cleaner alternative to chemical surfactants. <i>Journal of Cleaner Production</i> , 2018 , 172, 2735-2747	10.3	36
7	Fundamental Characterization of the Micellar Self-Assembly of Sophorolipid Esters. <i>Langmuir</i> , 2017 , 33, 5760-5768	4	10
6	Influence of Sophorolipid Structure on Interfacial Properties of Aqueous-Arabian Light Crude and Related Constituent Emulsions. <i>JAOCS, Journal of the American Oil Chemistsy Society</i> , 2017 , 94, 107-119	1.8	18
5	A versatile family of sophorolipid esters: Engineering surfactant structure for stabilization of lemon oil-water interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 507, 152-163	5.1	21
4	Molecular editing of sophorolipids by esterification of lipid moieties: Effects on interfacial properties at paraffin and synthetic crude oil-water interfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 507, 170-181	5.1	16

3	Surface modification of a polyethylene film for anticoagulant and anti-microbial catheter. <i>Reactive and Functional Polymers</i> , 2016 , 100, 142-150	4.6	20
2	Effect of Sophorolipid n-Alkyl Ester Chain Length on Its Interfacial Properties at the Almond Oil-Water Interface. <i>Langmuir</i> , 2016 , 32, 5562-72	4	27
1	Sophorolipids: Expanding structural diversity by ring-opening cross-metathesis. <i>European Journal of Lipid Science and Technology</i> , 2015 , 117, 217-228	3	22