Amanda S Koh

List of Publications by Citations

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	Production and characterization of sophorolipids from stearic acid by solid-state fermentation, a cleaner alternative to chemical surfactants. *Journal of Cleaner Production*, **2018**, 172, 2735-2747	10.3	36
19	Effect of Sophorolipid n-Alkyl Ester Chain Length on Its Interfacial Properties at the Almond Oil-Water Interface. *Langmuir*, **2016**, 32, 5562-72	4	27
18	Deformable liquid metal polymer composites with tunable electronic and mechanical properties. *Journal of Materials Research*, **2018**, 33, 2443-2453	2.5	26
17	Sophorolipids: Expanding structural diversity by ring-opening cross-metathesis. *European Journal of Lipid Science and Technology*, **2015**, 117, 217-228	3	22
16	A versatile family of sophorolipid esters: Engineering surfactant structure for stabilization of lemon oil-water interfaces. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 507, 152-163	5.1	21
15	Surface modification of a polyethylene film for anticoagulant and anti-microbial catheter. *Reactive and Functional Polymers*, **2016**, 100, 142-150	4.6	20
14	Biosurfactants from Waste: Structures and Interfacial Properties of Sophorolipids Produced from a Residual Oil Cake. *Journal of Surfactants and Detergents*, **2020**, 23, 481-486	1.9	19
13	Influence of Sophorolipid Structure on Interfacial Properties of Aqueous-Arabian Light Crude and Related Constituent Emulsions. *JAOCS, Journal of the American Oil ChemistsySociety*, **2017**, 94, 107-119	1.8	18
12	Molecular editing of sophorolipids by esterification of lipid moieties: Effects on interfacial properties at paraffin and synthetic crude oil-water interfaces. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 507, 170-181	5.1	16
11	Characterization and Manipulation of Interfacial Activity for Aqueous Galinstan Dispersions. *Advanced Materials Interfaces*, **2018**, 5, 1701240	4.6	13
10	Solidification and melting phase change behavior of eutectic gallium-indium-tin. *Materialia*, **2019**, 8, 100512	3.2	13
9	Interfacial Phenomena of Advanced Composite Materials toward Wearable Platforms for Biological and Environmental Monitoring Sensors, Armor, and Soft Robotics. *Advanced Materials Interfaces*, **2020**, 7, 1901851	4.6	12
8	Polymer-Based Devices and Remediation Strategies for Emerging Contaminants in Water. *ACS Applied Polymer Materials*, **2021**, 3, 549-577	4.3	12
7	Fundamental Characterization of the Micellar Self-Assembly of Sophorolipid Esters. *Langmuir*, **2017**, 33, 5760-5768	4	10
6	Recent Advances in Deformable Circuit Components with Liquid Metal. *Advanced Electronic Materials*, **2021**, 7, 2001006	6.4	9
5	Effects of filler composition, loading, and geometry on the dielectric loss, partial discharge, and dielectric strength of liquid metal polymer composites. *Composites Part B: Engineering*, **2022**, 234, 109686	10	4
4	Performance and Stability of Magnetorheological Fluids: A Detailed Review of the State of the Art. *Advanced Engineering Materials*, **2021**, 23, 2001458	3.5	4

3 Liquid Metal Broadband Monopole for Stretchable Electronics **2019**, 1

2 Simultaneous Thermo-Magnetorheological Response of Magnetorheological Fluids: Effect of Concentration and Composition. *IEEE Transactions on Magnetics*, **2021**, 1-1 2 1

1 Soft mechanical and biochemical sensors **2021**, 107-132