

Shafiqh Mehraeen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

643
citations

840776

11
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1237
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultralow Doping in Organic Semiconductors: Evidence of Trap Filling. <i>Physical Review Letters</i> , 2012, 109, 176601.	7.8	231
2	Modeling electrochemical oxidation and reduction of sulfamethoxazole using electrocatalytic reactive electrochemical membranes. <i>Journal of Hazardous Materials</i> , 2020, 384, 121420.	12.4	64
3	Role of band states and trap states in the electrical properties of organic semiconductors: Hopping versus mobility edge model. <i>Physical Review B</i> , 2013, 87, .	3.2	57
4	Materialsâ€Scale Implications of Solvent and Temperature on [6,6]â€Phenylâ€C61â€butyric Acid Methyl Ester (PCBM): A Theoretical Perspective. <i>Advanced Functional Materials</i> , 2013, 23, 5800-5813.	14.9	43
5	Large Area Directed Self-Assembly of Sub-10 nm Particles with Single Particle Positioning Resolution. <i>Nano Letters</i> , 2015, 15, 6066-6070.	9.1	42
6	The roles of oxygen vacancies, electrolyte composition, lattice structure, and doping density on the electrochemical reactivity of MagnÃ©li phase TiO₂ anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 23828-23839.	10.3	35
7	Uptake and Distribution of Administered Bone Marrow Mesenchymal Stem Cell Extracellular Vesicles in Retina. <i>Cells</i> , 2021, 10, 730.	4.1	28
8	Template-Induced Structure Transition in Sub-10 nm Self-Assembling Nanoparticles. <i>Nano Letters</i> , 2014, 14, 2642-2646.	9.1	26
9	Impact of Active Layer Morphology on Bimolecular Recombination Dynamics in Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24954-24961.	3.1	26
10	Directed Self-Assembly of sub-10 nm Particles: Role of Driving Forces and Template Geometry in Packing and Ordering. <i>Langmuir</i> , 2015, 31, 8548-8557.	3.5	22
11	Thermoplastic polyurethane with controllable degradation and critical anti-fouling properties. <i>Biomaterials Science</i> , 2021, 9, 1381-1396.	5.4	20
12	Role of Near-Electrode Solution Chemistry on Bacteria Attachment and Poration at Low Applied Potentials. <i>Environmental Science & Technology</i> , 2020, 54, 446-455.	10.0	11
13	Correlating Non-Geminate Recombination with Film Structure: A Comparison of Polythiophene: Fullerene Bilayer and Blend Films. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3669-3676.	4.6	9
14	Reactive-Transport Modeling of Electrochemical Oxidation of Perfluoroalkyl Substances in Porous Flow-through Electrodes. <i>ACS ES&T Engineering</i> , 2022, 2, 713-725.	7.6	9
15	Predictive Model to Probe the Impact of Gravity and Surface Tension on Rising Wetting Thin Films. <i>Langmuir</i> , 2019, 35, 4189-4196.	3.5	5
16	Unraveling the Mechanism of a Rising Three-Phase Contact Line along a Vertical Surface Using Many-Body Dissipative Particle Dynamics. <i>Langmuir</i> , 2020, 36, 7474-7482.	3.5	5
17	Bacteria poration on modified boron-doped diamond electrode surfaces induced by divalent cation chelation. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1576-1587.	2.4	5
18	In Situ Liquid Phase TEM of Nanoparticle Formation and Diffusion in a Phase-Separated Medium. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 22810-22817.	8.0	4

#	ARTICLE	IF	CITATIONS
19	Molecular View of the Distortion and Pinning Force of a Receding Contact Line: Impact of the Nanocavity Geometry. Langmuir, 2021, 37, 7008-7018.	3.5	1