

Shafiq Mehraeen

List of Publications by Year in descending order

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19
papers

643
citations

840776

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h-index

794594

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19
all docs

19
docs citations

19
times ranked

1237
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Ultralow Doping in Organic Semiconductors: Evidence of Trap Filling. Physical Review Letters, 2012, 109, 176601.	7.8	231