Michael Z Hu

List of Publications by Year
in descending order

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22	1,159	687363 13	677142 22
papers	citations	h-index	g-index

22	22	22	1746
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Semiconductorâ€Nanocrystalsâ€Based White Lightâ€Emitting Diodes. Small, 2010, 6, 1577-1588.	10.0	225
2	Covalent organic frameworks (COFs)-incorporated thin film nanocomposite (TFN) membranes for high-flux organic solvent nanofiltration (OSN). Journal of Membrane Science, 2019, 572, 520-531.	8.2	190
3	Graphene quantum dots (GQDs)-polyethyleneimine as interlayer for the fabrication of high performance organic solvent nanofiltration (OSN) membranes. Chemical Engineering Journal, 2020, 380, 122462.	12.7	103
4	High solvent-resistant and integrally crosslinked polyimide-based composite membranes for organic solvent nanofiltration. Journal of Membrane Science, 2018, 564, 10-21.	8.2	102
5	Novel graphene quantum dots (GQDs)-incorporated thin film composite (TFC) membranes for forward osmosis (FO) desalination. Desalination, 2019, 451, 219-230.	8.2	99
6	Photoluminescent Colloidal CdS Nanocrystals with High Quality via Noninjection One-Pot Synthesis in 1-Octadecene. Journal of Physical Chemistry C, 2009, 113, 7579-7593.	3.1	75
7	Semiconductor Nanocrystal Quantum Dot Synthesis Approaches Towards Large-Scale Industrial Production for Energy Applications. Nanoscale Research Letters, 2015, 10, 469.	5.7	73
8	Thermodynamic Equilibrium-Driven Formation of Single-Sized Nanocrystals: Reaction Media Tuning CdSe Magic-Sized versus Regular Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 3329-3339.	3.1	71
9	Amino-functionalized graphene quantum dots (aGQDs)-embedded thin film nanocomposites for solvent resistant nanofiltration (SRNF) membranes based on covalence interactions. Journal of Membrane Science, 2019, 588, 117212.	8.2	56
10	Synthesis and characterization of anodized titanium-oxide nanotube arrays. Journal of Materials Science, 2009, 44, 2820-2827.	3.7	30
11	Particle size effect in porous film electrodes of ligand-modified graphene for enhanced supercapacitor performance. Carbon, 2017, 119, 296-304.	10.3	27
12	Microscopic vertical orientation of nano-interspaced graphene architectures in deposit films as electrodes for enhanced supercapacitor performance. Nano Energy, 2017, 32, 88-95.	16.0	23
13	Superhydrophobic or Hydrophilic Porous Metallic/Ceramic Tubular Membranes for Continuous Separations of Biodieselâ€“Water W/O and O/W Emulsions. Industrial & Engineering Chemistry Research, 2019, 58, 1114-1122.	3.7	15
14	A comparative study of anodized titania nanotube architectures in aqueous and nonaqueous solutions. Journal of Materials Research, 2011, 26, 2612-2623.	2.6	12
15	Surface-Engineered Inorganic Nanoporous Membranes for Vapor and Pervaporative Separations of Waterâ€“Ethanol Mixtures. Membranes, 2018, 8, 95.	3.0	11
16	Novel porous ceramic tube-supported polymer layer membranes for acetic acid/water separation by pervaporation dewatering. Separation and Purification Technology, 2020, 236, 116312.	7.9	10
17	Selective adsorption removal of carbonyl molecular foulants from real fast pyrolysis bio-oils. Biomass and Bioenergy, 2020, 136, 105522.	5.7	10
18	Chemical synthesis and optical characterization of regular and magic-sized CdS quantum dot nanocrystals using 1-dodecanethiol. Journal of Materials Research, 2015, 30, 890-895.	2.6	8

#	Article	IF	Citations
19	Superhydrophobic and superhydrophilic surface-enhanced separation performance of porous inorganic membranes for biomass-to-biofuel conversion applications. Separation Science and Technology, 2017, 52, 528-543.	2.5	8
20	ZnCuInS/ZnSe/ZnS Quantum Dot-Based Downconversion Light-Emitting Diodes and Their Thermal Effect. Journal of Nanomaterials, 2015, 2015, 1-10.	2.7	5
21	Surface-Enhanced Separation of Water from Hydrocarbons: Potential Dewatering Membranes for the Catalytic Fast Pyrolysis of Pine Biomass. Energy & Fuels, 2016, 30, 8343-8348.	5.1	5
22	Computational and Experimental Study for the Denitrification of Biomass-Derived Hydrothermal Liquefaction Oil. ACS Sustainable Chemistry and Engineering, 2021, 9, 13406-13413.	6.7	1