

Michael Z Hu

List of Publications by Year in descending order

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22
papers

1,159
citations

687363

13
h-index

677142

22
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22
all docs

22
docs citations

22
times ranked

1746
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Selective adsorption removal of carbonyl molecular foulants from real fast pyrolysis bio-oils. Biomass and Bioenergy, 2020, 136, 105522.	5.7	10
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	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
7	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
8	Superhydrophobic or Hydrophilic Porous Metallic/Ceramic Tubular Membranes for Continuous Separations of Biodiesel/Water W/O and O/W Emulsions. Industrial & Engineering Chemistry Research, 2019, 58, 1114-1122.	3.7	15
9	Surface-Engineered Inorganic Nanoporous Membranes for Vapor and Pervaporative Separations of Water/Ethanol Mixtures. Membranes, 2018, 8, 95.	3.0	11
10	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
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	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
13	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
14	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
15	ZnCuInS/ZnSe/ZnS Quantum Dot-Based Downconversion Light-Emitting Diodes and Their Thermal Effect. Journal of Nanomaterials, 2015, 2015, 1-10.	2.7	5
16	Semiconductor Nanocrystal Quantum Dot Synthesis Approaches Towards Large-Scale Industrial Production for Energy Applications. Nanoscale Research Letters, 2015, 10, 469.	5.7	73
17	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
18	A comparative study of anodized titania nanotube architectures in aqueous and nonaqueous solutions. Journal of Materials Research, 2011, 26, 2612-2623.	2.6	12

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19	Thermodynamic Equilibrium-Driven Formation of Single-Sized Nanocrystals: Reaction Media Tuning CdSe Magic-Sized versus Regular Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3329-3339.	3.1	71
20	Semiconductor Nanocrystals-Based White Light-Emitting Diodes. <i>Small</i> , 2010, 6, 1577-1588.	10.0	225
21	Synthesis and characterization of anodized titanium-oxide nanotube arrays. <i>Journal of Materials Science</i> , 2009, 44, 2820-2827.	3.7	30
22	Photoluminescent Colloidal CdS Nanocrystals with High Quality via Noninjection One-Pot Synthesis in 1-Octadecene. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7579-7593.	3.1	75