Hongwei Bai

List of Publications by Year
in descending order

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26	1,763	430874	552781
papers	citations	18 h-index	26 g-index

27	27	27	3235
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selfâ€Assembling TiO₂ Nanorods on Large Graphene Oxide Sheets at a Twoâ€Phase Interface and Their Antiâ€Recombination in Photocatalytic Applications. Advanced Functional Materials, 2010, 20, 4175-4181.	14.9	720
2	Hierarchical ZnO/Cu â€œcorn-likeâ€•materials with high photodegradation and antibacterial capability under visible light. Physical Chemistry Chemical Physics, 2011, 13, 6205.	2.8	125
3	A low-energy forward osmosis process to produce drinking water. Energy and Environmental Science, 2011, 4, 2582.	30.8	121
4	Hierarchically multifunctional TiO2 nano-thorn membrane for water purification. Chemical Communications, 2010, 46, 6542.	4.1	108
5	Facile fabrication of porous chitosan/TiO₂/Fe₃O₄microspheres with multifunction for water purifications. New Journal of Chemistry, 2011, 35, 137-140.	2.8	62
6	Largeâ€Scale Production of Hierarchical TiO₂ Nanorod Spheres for Photocatalytic Elimination of Contaminants and Killing Bacteria. Chemistry - A European Journal, 2013, 19, 3061-3070.	3.3	60
7	Graphene Paper Decorated with a 2D Array of Dendritic Platinum Nanoparticles for Ultrasensitive Electrochemical Detection of Dopamine Secreted by Live Cells. Chemistry - A European Journal, 2016, 22, 5204-5210.	3.3	55
8	Superior Antifouling Capability of Hydrogel Forward Osmosis Membrane for Treating Wastewaters with High Concentration of Organic Foulants. Environmental Science & Technology, 2018, 52, 1421-1428.	10.0	53
9	Hierarchical 3D dendritic TiO2 nanospheres building with ultralong 1D nanoribbon/wires for high performance concurrent photocatalytic membrane water purification. Water Research, 2013, 47, 4126-4138.	11.3	51
10	A new nanocomposite forward osmosis membrane custom-designed for treating shale gas wastewater. Scientific Reports, 2015, 5, 14530.	3.3	47
11	Facile preparation of monodisperse, carbon doped single crystal rutile TiO2 nanorod spheres with a large percentage of reactive (110) facet exposure for highly efficient H2 generation. Journal of Materials Chemistry, 2012, 22, 18801.	6.7	46
12	Facile Fabrication of <scp><scp>TiO</scp></scp>₂/<scp><scp>SrTiO</scp></scp>₃ Composite Nanofibers by Electrospinning for High Efficient <scp><scp>H</scp></scp>₂ Generation. Journal of the American Ceramic Society, 2013, 96, 942-949.	3.8	46
13	Hierarchical Nitrogenâ€Doped Flowerlike ZnO Nanostructure and Its Multifunctional Environmental Applications. Chemistry - an Asian Journal, 2012, 7, 1772-1780.	3.3	41
14	A new nano-engineered hierarchical membrane for concurrent removal of surfactant and oil from oil-in-water nanoemulsion. Scientific Reports, 2016, 6, 24365.	3.3	38
15	Three-dimensional architecture constructed from a graphene oxide nanosheetâ€“polymer composite for high-flux forward osmosis membranes. Journal of Materials Chemistry A, 2017, 5, 12183-12192.	10.3	37
16	A lithium-ion anode with micro-scale mixed hierarchical carbon coated single crystal TiO2 nanorod spheres and carbon spheres. Journal of Materials Chemistry, 2012, 22, 24552.	6.7	32
17	Hierarchical CuO/ZnO Membranes for Environmental Applications under the Irradiation of Visible Light. International Journal of Photoenergy, 2012, 2012, 1-11.	2.5	22
18	Efficient Oil/Water Separation Membrane Derived from Super-Flexible and Superhydrophilic Coreâ€“Shell Organic/Inorganic Nanofibrous Architectures. Polymers, 2019, 11, 974.	4.5	20

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19	Solarâ€Lightâ€Driven Photodegradation and Antibacterial Activity of Hierarchical TiO₂/ZnO/CuO Material. ChemPlusChem, 2012, 77, 941-948.	2.8	15
20	Hybrid TiO2 photocatalytic oxidation and ultrafiltration for humic acid removal and membrane fouling control. Water Science and Technology: Water Supply, 2011, 11, 324-332.	2.1	13
21	Stability investigation of graphene oxideâ€“silver nanoparticles composites in natural reservoir water. RSC Advances, 2013, 3, 25331.	3.6	10
22	Reviewâ€”Novel Carbon Nanomaterials Based Flexible Electrochemical Biosensors. Journal of the Electrochemical Society, 2021, 168, 027504.	2.9	10
23	Threeâ€Tier Hierarchical Clusters of Carbonâ€Coated Li₄Ti₅O₁₂ Single Crystals as Highâ€Power and Highâ€Energy Anodes for Lithiumâ€Ion Batteries. ChemElectroChem, 2016, 3, 91-97.	3.4	9
24	Inherent porous structure modified by titanium dioxide nanoparticle incorporation and effect on the fouling behavior of hybrid poly(vinylidene fluoride) membranes. Journal of Applied Polymer Science, 2016, 133, .	2.6	8
25	Electrospun Bi3+/TiO2 nanofibers for concurrent photocatalytic H2 and clean water production from glycerol under solar irradiation: A systematic study. Journal of Cleaner Production, 2021, 298, 126671.	9.3	8
26	Hierarchical ZnO Nanoflake Structured Multifunctional Membrane for Water Purification. Separation Science and Technology, 2013, 48, 473-479.	2.5	6