

# Hongwei Bai

## List of Publications by Year in descending order

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26  
papers

1,763  
citations

430874

18  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

3235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review "Novel Carbon Nanomaterials Based Flexible Electrochemical Biosensors. Journal of the Electrochemical Society, 2021, 168, 027504.	2.9	10
2	Electrospun Bi <sub>3+</sub> /TiO <sub>2</sub> nanofibers for concurrent photocatalytic H <sub>2</sub> and clean water production from glycerol under solar irradiation: A systematic study. Journal of Cleaner Production, 2021, 298, 126671.	9.3	8
3	Efficient Oil/Water Separation Membrane Derived from Super-Flexible and Superhydrophilic Core-Shell Organic/Inorganic Nanofibrous Architectures. Polymers, 2019, 11, 974.	4.5	20
4	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
5	Three-dimensional architecture constructed from a graphene oxide nanosheet-polymer composite for high-flux forward osmosis membranes. Journal of Materials Chemistry A, 2017, 5, 12183-12192.	10.3	37
6	Three-Tier Hierarchical Clusters of Carbon-Coated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Single Crystals as High-Power and High-Energy Anodes for Lithium-Ion Batteries. ChemElectroChem, 2016, 3, 91-97.	3.4	9
7	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
8	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
9	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
10	A new nanocomposite forward osmosis membrane custom-designed for treating shale gas wastewater. Scientific Reports, 2015, 5, 14530.	3.3	47
11	Facile Fabrication of TiO <sub>2</sub> /SrTiO <sub>3</sub> Composite Nanofibers by Electrospinning for High Efficient H <sub>2</sub> Generation. Journal of the American Ceramic Society, 2013, 96, 942-949.	3.8	46
12	Stability investigation of graphene oxide-silver nanoparticles composites in natural reservoir water. RSC Advances, 2013, 3, 25331.	3.6	10
13	Hierarchical 3D dendritic TiO <sub>2</sub> nanospheres building with ultralong 1D nanoribbon/wires for high performance concurrent photocatalytic membrane water purification. Water Research, 2013, 47, 4126-4138.	11.3	51
14	Large-Scale Production of Hierarchical TiO <sub>2</sub> Nanorod Spheres for Photocatalytic Elimination of Contaminants and Killing Bacteria. Chemistry - A European Journal, 2013, 19, 3061-3070.	3.3	60
15	Hierarchical ZnO Nanoflake Structured Multifunctional Membrane for Water Purification. Separation Science and Technology, 2013, 48, 473-479.	2.5	6
16	Hierarchical CuO/ZnO Membranes for Environmental Applications under the Irradiation of Visible Light. International Journal of Photoenergy, 2012, 2012, 1-11.	2.5	22
17	Solar-Light-Driven Photodegradation and Antibacterial Activity of Hierarchical TiO <sub>2</sub> /ZnO/CuO Material. ChemPlusChem, 2012, 77, 941-948.	2.8	15
18	A lithium-ion anode with micro-scale mixed hierarchical carbon coated single crystal TiO <sub>2</sub> nanorod spheres and carbon spheres. Journal of Materials Chemistry, 2012, 22, 24552.	6.7	32

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19	Hierarchical Nitrogen-Doped Flowerlike ZnO Nanostructure and Its Multifunctional Environmental Applications. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1772-1780.	3.3	41
20	Facile preparation of monodisperse, carbon doped single crystal rutile TiO <sub>2</sub> nanorod spheres with a large percentage of reactive (110) facet exposure for highly efficient H <sub>2</sub> generation. <i>Journal of Materials Chemistry</i> , 2012, 22, 18801.	6.7	46
21	A low-energy forward osmosis process to produce drinking water. <i>Energy and Environmental Science</i> , 2011, 4, 2582.	30.8	121
22	Hierarchical ZnO/Cu "corn-like" materials with high photodegradation and antibacterial capability under visible light. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6205.	2.8	125
23	Hybrid TiO <sub>2</sub> photocatalytic oxidation and ultrafiltration for humic acid removal and membrane fouling control. <i>Water Science and Technology: Water Supply</i> , 2011, 11, 324-332.	2.1	13
24	Facile fabrication of porous chitosan/TiO <sub>2</sub> /Fe <sub>3</sub> O <sub>4</sub> microspheres with multifunction for water purifications. <i>New Journal of Chemistry</i> , 2011, 35, 137-140.	2.8	62
25	Self-Assembling TiO <sub>2</sub> Nanorods on Large Graphene Oxide Sheets at a Two-Phase Interface and Their Anti-Recombination in Photocatalytic Applications. <i>Advanced Functional Materials</i> , 2010, 20, 4175-4181.	14.9	720
26	Hierarchically multifunctional TiO <sub>2</sub> nano-thorn membrane for water purification. <i>Chemical Communications</i> , 2010, 46, 6542.	4.1	108