

Hongwei Bai

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,369
citations

361296

20
h-index

642610

23
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docs citations

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times ranked

2273
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun Bi ₃₊ /TiO ₂ nanofibers for concurrent photocatalytic H ₂ and clean water production from glycerol under solar irradiation: A systematic study. <i>Journal of Cleaner Production</i> , 2021, 298, 126671.	4.6	8
2	Efficient Oil/Water Separation Membrane Derived from Super-Flexible and Superhydrophilic Core-Shell Organic/Inorganic Nanofibrous Architectures. <i>Polymers</i> , 2019, 11, 974.	2.0	20
3	Dimension induced intrinsic physio-electrical effects of nanostructured TiO ₂ on its antibacterial properties. <i>Chemical Engineering Journal</i> , 2018, 334, 1309-1315.	6.6	29
4	A green approach assembled multifunctional Ag/AgBr/TNF membrane for clean water production & disinfection of bacteria through utilizing visible light. <i>Applied Catalysis B: Environmental</i> , 2016, 196, 57-67.	10.8	58
5	A new nano-engineered hierarchical membrane for concurrent removal of surfactant and oil from oil-in-water nanoemulsion. <i>Scientific Reports</i> , 2016, 6, 24365.	1.6	38
6	Graphene Paper Decorated with a 2D Array of Dendritic Platinum Nanoparticles for Ultrasensitive Electrochemical Detection of Dopamine Secreted by Live Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 5204-5210.	1.7	55
7	A new nanocomposite forward osmosis membrane custom-designed for treating shale gas wastewater. <i>Scientific Reports</i> , 2015, 5, 14530.	1.6	47
8	Green Approach for Photocatalytic Cu(II)-EDTA Degradation over TiO ₂ : Toward Environmental Sustainability. <i>Environmental Science & Technology</i> , 2015, 49, 2541-2548.	4.6	98
9	Multi-functional CNT/ZnO/TiO ₂ nanocomposite membrane for concurrent filtration and photocatalytic degradation. <i>Separation and Purification Technology</i> , 2015, 156, 922-930.	3.9	63
10	Hierarchical heteroarchitectures functionalized membrane for high efficient water purification. <i>Journal of Membrane Science</i> , 2015, 475, 245-251.	4.1	26
11	Hierarchical 3D micro-/nano-V ₂ O ₅ (vanadium pentoxide) spheres as cathode materials for high-energy and high-power lithium ion-batteries. <i>Energy</i> , 2014, 76, 607-613.	4.5	40
12	Facile Fabrication of TiO ₂ /SrTiO ₃ Composite Nanofibers by Electrospinning for High Efficient H ₂ Generation. <i>Journal of the American Ceramic Society</i> , 2013, 96, 942-949.	1.9	46
13	Optimization and an insightful properties' Activity study of electrospun TiO ₂ /CuO composite nanofibers for efficient photocatalytic H ₂ generation. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 68-81.	10.8	80
14	Hierarchical 3D dendritic TiO ₂ nanospheres building with ultralong 1D nanoribbon/wires for high performance concurrent photocatalytic membrane water purification. <i>Water Research</i> , 2013, 47, 4126-4138.	5.3	51
15	Large-scale Production of Hierarchical TiO ₂ Nanorod Spheres for Photocatalytic Elimination of Contaminants and Killing Bacteria. <i>Chemistry - A European Journal</i> , 2013, 19, 3061-3070.	1.7	60
16	Facile synthesis of hierarchically meso/nanoporous s- and c-codoped TiO ₂ and its high photocatalytic efficiency in H ₂ generation. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 294-300.	10.8	27
17	Concurrent filtration and solar photocatalytic disinfection/degradation using high-performance Ag/TiO ₂ nanofiber membrane. <i>Water Research</i> , 2012, 46, 1101-1112.	5.3	273
18	Hierarchical SrTiO ₃ /TiO ₂ nanofibers heterostructures with high efficiency in photocatalytic H ₂ generation. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 367-374.	10.8	96

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19	Electrospun TiO ₂ /SnO ₂ nanofibers with innovative structure and chemical properties for highly efficient photocatalytic H ₂ generation. International Journal of Hydrogen Energy, 2012, 37, 10575-10584.	3.8	61
20	Solar-Light-Driven Photodegradation and Antibacterial Activity of Hierarchical TiO ₂ /ZnO/CuO Material. ChemPlusChem, 2012, 77, 941-948.	1.3	15
21	A hierarchically structured and multifunctional membrane for water treatment. Applied Catalysis B: Environmental, 2012, 111-112, 571-577.	10.8	57
22	Hybrid TiO ₂ photocatalytic oxidation and ultrafiltration for humic acid removal and membrane fouling control. Water Science and Technology: Water Supply, 2011, 11, 324-332.	1.0	13
23	Hierarchically multifunctional TiO ₂ nano-thorn membrane for water purification. Chemical Communications, 2010, 46, 6542.	2.2	108