

Hongwei Bai

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8902752/publications.pdf>

Version: 2024-02-01

23
papers

1,369
citations

361296

20
h-index

642610

23
g-index

23
all docs

23
docs citations

23
times ranked

2273
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Hierarchically multifunctional TiO ₂ nano-thorn membrane for water purification. <i>Chemical Communications</i> , 2010, 46, 6542.	2.2	108
3	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
4	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
5	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
6	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
7	Electrospun TiO ₂ /SnO ₂ nanofibers with innovative structure and chemical properties for highly efficient photocatalytic H ₂ generation. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 10575-10584.	3.8	61
8	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
9	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
10	A hierarchically structured and multifunctional membrane for water treatment. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 571-577.	10.8	57
11	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
12	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
13	A new nanocomposite forward osmosis membrane custom-designed for treating shale gas wastewater. <i>Scientific Reports</i> , 2015, 5, 14530.	1.6	47
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Hierarchical heteroarchitectures functionalized membrane for high efficient water purification. <i>Journal of Membrane Science</i> , 2015, 475, 245-251.	4.1	26
20	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
21	Solar-Light-Driven Photodegradation and Antibacterial Activity of Hierarchical TiO ₂ /ZnO/CuO Material. <i>ChemPlusChem</i> , 2012, 77, 941-948.	1.3	15
22	Hybrid TiO ₂ photocatalytic oxidation and ultrafiltration for humic acid removal and membrane fouling control. <i>Water Science and Technology: Water Supply</i> , 2011, 11, 324-332.	1.0	13
23	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