

Wei Li Ong

List of Publications by Year in descending order

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26
papers

1,456
citations

471371

17
h-index

552653

26
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26
all docs

26
docs citations

26
times ranked

2389
citing authors

#	ARTICLE	IF	CITATIONS
1	Spontaneous Atomic Sites Formation in Wurtzite CoO Nanorods for Robust CO ₂ Photoreduction. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	16
2	Hybrid solar-driven interfacial evaporation systems: Beyond water production towards high solar energy utilization. <i>Materials Today</i> , 2021, 42, 178-191.	8.3	274
3	Multi-Interfacial catalyst with spatially defined redox reactions for enhanced pure water photothermal hydrogen production. <i>EcoMat</i> , 2021, 3, .	6.8	40
4	Modular Deformable Steam Electricity Cogeneration System with Photothermal, Water, and Electrochemical Tunable Multilayers. <i>Advanced Functional Materials</i> , 2020, 30, 2002867.	7.8	133
5	One-step activation towards spontaneous etching of hollow and hierarchical porous carbon nanospheres for enhanced pollutant adsorption and energy storage. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 533-541.	10.8	89
6	Simultaneous in situ reduction and embedment of Cu nanoparticles into TiO ₂ for the design of exceptionally active and stable photocatalysts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16213-16219.	5.2	14
7	Simultaneous Activation-Exfoliation-Reassembly to Form Layered Carbon with Hierarchical Pores. <i>ChemCatChem</i> , 2017, 9, 2488-2495.	1.8	5
8	Substrate-Friendly Growth of Large-Sized Ni(OH) ₂ Nanosheets for Flexible Electrochromic Films. <i>Small</i> , 2017, 13, 1700084.	5.2	39
9	Light-induced Remediation of Environmental Pollutants by Highly Adsorptive Activated Carbon Centered TiO ₂ Nanoflowers. <i>Procedia Engineering</i> , 2017, 215, 152-162.	1.2	3
10	Porous silica/TiO ₂ Nanocomposite for Collective Adsorption and Degradation Functionalities. <i>Procedia Engineering</i> , 2017, 215, 195-201.	1.2	1
11	Inorganic-organic Hybrid Membranes for Photocatalytic Hydrogen Generation and Volatile Organic Compound Degradation. <i>Procedia Engineering</i> , 2017, 215, 202-210.	1.2	1
12	Enhanced Photocatalytic Performance of TiO ₂ Hierarchical Spheres Decorated with Ag ₂ S Nanoparticles. <i>Procedia Engineering</i> , 2016, 141, 7-14.	1.2	19
13	2D hydrated layered Ni(OH) ₂ structure with hollow TiO ₂ nanocomposite directed chromogenic and catalysis capabilities. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13307-13315.	5.2	24
14	TiO ₂ Fibers Supported Fe ²⁺ -FeOOH Nanostructures as Efficient Visible Light Photocatalyst and Room Temperature Sensor. <i>Scientific Reports</i> , 2015, 5, 10601.	1.6	73
15	Room temperature sequential ionic deposition (SID) of Ag ₂ S nanoparticles on TiO ₂ hierarchical spheres for enhanced catalytic efficiency. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6509-6516.	5.2	64
16	Self-Biased Hybrid Piezoelectric-Photoelectrochemical Cell with Photocatalytic Functionalities. <i>ACS Nano</i> , 2015, 9, 7661-7670.	7.3	105
17	Structural design of TiO ₂ -based photocatalyst for H ₂ production and degradation applications. <i>Catalysis Science and Technology</i> , 2015, 5, 4703-4726.	2.1	223
18	Resistive Switching and Polarization Reversal of Hydrothermal-Method-Grown Undoped Zinc Oxide Nanorods by Using Scanning Probe Microscopy Techniques. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11412-11422.	4.0	35

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19	Tuning of multifunctional Cu-doped ZnO films and nanowires for enhanced piezo/ferroelectric-like and gas/photoresponse properties. <i>Nanoscale</i> , 2014, 6, 1680-1690.	2.8	32
20	Highly flexible solution processable heterostructured zinc oxide nanowires mesh for environmental clean-up applications. <i>RSC Advances</i> , 2014, 4, 27481-27487.	1.7	23
21	Green chemistry synthesis of a nanocomposite graphene hydrogel with three-dimensional nano-mesopores for photocatalytic H ₂ production. <i>RSC Advances</i> , 2013, 3, 13169.	1.7	76
22	Metal nanoparticle-loaded hierarchically assembled ZnO nanoflakes for enhanced photocatalytic performance. <i>Nanoscale</i> , 2013, 5, 5568.	2.8	122
23	Modeling and Experimental Study of a Low-Frequency-Vibration-Based Power Generator Using ZnO Nanowire Arrays. <i>Journal of Microelectromechanical Systems</i> , 2012, 21, 776-778.	1.7	17
24	Ammonia plasma modification towards a rapid and low temperature approach for tuning electrical conductivity of ZnO nanowires on flexible substrates. <i>Nanoscale</i> , 2011, 3, 4206.	2.8	23
25	Synthesis and field emission properties of well-aligned ZnO nanowires on buffer layer. <i>Thin Solid Films</i> , 2010, 518, e139-e142.	0.8	1
26	High yield shape control of monodispersed Au nanostructures with 3D self-assembly ordering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 358, 108-114.	2.3	4