Wei Li Ong

List of Publications by Year
in descending order

26	1,456	471371 17	552653 26
papers	citations	h-index	g-index

26	26	26	2389
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid solar-driven interfacial evaporation systems: Beyond water production towards high solar energy utilization. Materials Today, 2021, 42, 178-191.	8.3	274
2	Structural design of TiO₂-based photocatalyst for H₂ production and degradation applications. Catalysis Science and Technology, 2015, 5, 4703-4726.	2.1	223
3	Modular Deformable Steam Electricity Cogeneration System with Photothermal, Water, and Electrochemical Tunable Multilayers. Advanced Functional Materials, 2020, 30, 2002867.	7.8	133
4	Metal nanoparticle-loaded hierarchically assembled ZnO nanoflakes for enhanced photocatalytic performance. Nanoscale, 2013, 5, 5568.	2.8	122
5	Self-Biased Hybrid Piezoelectric-Photoelectrochemical Cell with Photocatalytic Functionalities. ACS Nano, 2015, 9, 7661-7670.	7.3	105
6	One-step activation towards spontaneous etching of hollow and hierarchical porous carbon nanospheres for enhanced pollutant adsorption and energy storage. Applied Catalysis B: Environmental, 2018, 220, 533-541.	10.8	89
7	Green chemistry synthesis of a nanocomposite graphene hydrogel with three-dimensional nano-mesopores for photocatalytic H2 production. RSC Advances, 2013, 3, 13169.	1.7	76
8	TiO2 Fibers Supported Î²-FeOOH Nanostructures as Efficient Visible Light Photocatalyst and Room Temperature Sensor. Scientific Reports, 2015, 5, 10601.	1.6	73
9	Room temperature sequential ionic deposition (SID) of Ag₂S nanoparticles on TiO₂ hierarchical spheres for enhanced catalytic efficiency. Journal of Materials Chemistry A, 2015, 3, 6509-6516.	5.2	64
10	Multiâ€interfacial catalyst with spatially defined redox reactions for enhanced pure water photothermal hydrogen production. EcoMat, 2021, 3, .	6.8	40
11	Substrateâ€Friendly Growth of Largeâ€Sized Ni(OH)₂ Nanosheets for Flexible Electrochromic Films. Small, 2017, 13, 1700084.	5.2	39
12	Resistive Switching and Polarization Reversal of Hydrothermal-Method-Grown Undoped Zinc Oxide Nanorods by Using Scanning Probe Microscopy Techniques. ACS Applied Materials & Interfaces, 2015, 7, 11412-11422.	4.0	35
13	Tuning of multifunctional Cu-doped ZnO films and nanowires for enhanced piezo/ferroelectric-like and gas/photoresponse properties. Nanoscale, 2014, 6, 1680-1690.	2.8	32
14	2D hydrated layered Ni(OH)2 structure with hollow TiO2 nanocomposite directed chromogenic and catalysis capabilities. Journal of Materials Chemistry A, 2016, 4, 13307-13315.	5.2	24
15	Ammonia plasma modification towards a rapid and low temperature approach for tuning electrical conductivity of ZnO nanowires on flexible substrates. Nanoscale, 2011, 3, 4206.	2.8	23
16	Highly flexible solution processable heterostructured zinc oxide nanowires mesh for environmental clean-up applications. RSC Advances, 2014, 4, 27481-27487.	1.7	23
17	Enhanced Photocatalytic Performance of TiO2 Hierarchical Spheres Decorated with Ag2S Nanoparticles. Procedia Engineering, 2016, 141, 7-14.	1.2	19
18	Modeling and Experimental Study of a Low-Frequency-Vibration-Based Power Generator Using ZnO Nanowire Arrays. Journal of Microelectromechanical Systems, 2012, 21, 776-778.	1.7	17

#	Article	IF	Citations
19	Spontaneous Atomic Sites Formation in Wurtzite CoO Nanorods for Robust CO₂ Photoreduction. Advanced Functional Materials, 2022, 32, .	7.8	16
20	Simultaneous in situ reduction and embedment of Cu nanoparticles into TiO2 for the design of exceptionally active and stable photocatalysts. Journal of Materials Chemistry A, 2018, 6, 16213-16219.	5.2	14
21	Simultaneous Activationâ€“Exfoliationâ€“Reassembly to Form Layered Carbon with Hierarchical Pores. ChemCatChem, 2017, 9, 2488-2495.	1.8	5
22	High yield shape control of monodispersed Au nanostructures with 3D self-assembly ordering. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 358, 108-114.	2.3	4
23	Light-induced Remediation of Environmental Pollutants by Highly Adsorptive Activated Carbon Centered TiO 2 Nanoflowers. Procedia Engineering, 2017, 215, 152-162.	1.2	3
24	Synthesis and field emission properties of well-aligned ZnO nanowires on buffer layer. Thin Solid Films, 2010, 518, e139-e142.	0.8	1
25	Porous silica/TiO 2 Nanocomposite for Collective Adsorption and Degradation Functionalities. Procedia Engineering, 2017, 215, 195-201.	1.2	1
26	Inorganic-organic Hybrid Membranes for Photocatalytic Hydrogen Generation and Volatile Organic Compound Degradation. Procedia Engineering, 2017, 215, 202-210.	1.2	1