Chia-Ming Wu

List of Publications by Year
in descending order

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33	1,366	430874	395702
papers	citations	18 h-index	33 g-index

34	34	34	2657
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dissolution of ZnO Nanoparticles at Circumneutral pH: A Study of Size Effects in the Presence and Absence of Citric Acid. Langmuir, 2012, 28, 396-403.	3.5	321
2	Enhanced photocatalytic water splitting activity of carbon-modified TiO2 composite materials synthesized by a green synthetic approach. International Journal of Hydrogen Energy, 2012, 37, 8257-8267.	7.1	101
3	Iron oxide nanoparticles induce Pseudomonas aeruginosa growth, induce biofilm formation, and inhibit antimicrobial peptide function. Environmental Science: Nano, 2014, 1, 123.	4.3	96
4	Modulation of Pore Sizes of Titanium Dioxide Photocatalysts by a Facile Template Free Hydrothermal Synthesis Method: Implications for Photocatalytic Degradation of Rhodamine B. ACS Applied Materials & Interfaces, 2015, 7, 4368-4380.	8.0	94
5	Facile synthesis of MOF-5 confined in SBA-15 hybrid material with enhanced hydrostability. Chemical Communications, 2013, 49, 1223.	4.1	78
6	Sulfur Dioxide Adsorption on ZnO Nanoparticles and Nanorods. Journal of Physical Chemistry C, 2011, 115, 10164-10172.	3.1	68
7	Ultra-stable CdS incorporated Ti-MCM-48 mesoporous materials for efficient photocatalytic decomposition of water under visible light illumination. Chemical Communications, 2013, 49, 3221.	4.1	64
8	Influence of Tiâ€“Oâ€“Si hetero-linkages in the photocatalytic degradation of Rhodamine B. Catalysis Communications, 2013, 31, 66-70.	3.3	54
9	Visible light driven photocatalytic evolution of hydrogen from water over CdS encapsulated MCM-48 materials. RSC Advances, 2012, 2, 5754.	3.6	53
10	Competitive role of structural properties of titaniaâ€“silica mixed oxides and a mechanistic study of the photocatalytic degradation of phenol. Applied Catalysis B: Environmental, 2014, 148-149, 394-405.	20.2	41
11	Synthesis-Dependent Oxidation State of Platinum on TiO₂ and Their Influences on the Solar Simulated Photocatalytic Hydrogen Production from Water. Journal of Physical Chemistry C, 2013, 117, 16850-16862.	3.1	40
12	Mesoporous coupled ZnO/TiO2 photocatalyst nanocomposites for hydrogen generation. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	39
13	Iron Oxide Nanoparticle Delivery of Peptides to the Brain: Reversal of Anxiety during Drug Withdrawal. Frontiers in Neuroscience, 2017, 11, 608.	2.8	37
14	An ionic liquid-mesoporous silica blend as a novel adsorbent for the adsorption and recovery of palladium ions, and its applications in continuous flow study and as an industrial catalyst. RSC Advances, 2016, 6, 26668-26678.	3.6	35
15	Preparation of TiO2â€“SiO2 aperiodic mesoporous materials with controllable formation of tetrahedrally coordinated Ti4+ ions and their performance for photocatalytic hydrogen production. International Journal of Hydrogen Energy, 2014, 39, 127-136.	7.1	29
16	Synthesis and characterization of ligand stabilized CdS-Trititanate composite materials for visible light-induced photocatalytic water splitting. International Journal of Hydrogen Energy, 2013, 38, 2656-2669.	7.1	23
17	Pdâ€“Ti-MCM-48 cubic mesoporous materials for solar simulated hydrogen evolution. International Journal of Hydrogen Energy, 2015, 40, 905-918.	7.1	21
18	Investigation of the role of platinum oxide for the degradation of phenol under simulated solar irradiation. Applied Catalysis B: Environmental, 2013, 136-137, 248-259.	20.2	19

#	Article	IF	Citations
19	Solar hydrogen generation over CdS incorporated in Ti-MCM-48 mesoporous materials under visible light illumination. International Journal of Hydrogen Energy, 2016, 41, 4106-4119.	7.1	19
20	Feâ€“SBA-15 catalyzed synthesis of 2-alkoxyimidazo[1,2-a]pyridines and screening of their in silico selectivity and binding affinity to biological targets. New Journal of Chemistry, 2016, 40, 9753-9760.	2.8	18
21	Insight into band positions and inter-particle electron transfer dynamics between CdS nanoclusters and spatially isolated TiO₂dispersed in cubic MCM-48 mesoporous materials: a highly efficient system for photocatalytic hydrogen evolution under visible light illumination. Physical Chemistry Chemical Physics, 2014, 16, 2048-2061.	2.8	17
22	Facile Synthesis of 1,3,5â€Triarylbenzenes and 4â€Arylâ€NHâ€1,2,3â€Triazoles Using Mesoporous Pdâ€MCMâ€41 as Reusable Catalyst. European Journal of Organic Chemistry, 2019, 2019, 104-111.	2.4	16
23	Synthesis of mixed phase anatase-TiO2(B) by a simple wet chemical method. Materials Letters, 2013, 95, 175-177.	2.6	15
24	Robust and effective Ru-bipyridyl dye sensitized Ti-MCM-48 cubic mesoporous materials for photocatalytic hydrogen evolution under visible light illumination. Catalysis Communications, 2015, 65, 14-19.	3.3	13
25	Solar simulated hydrogen evolution using cobalt oxide nanoclusters deposited on titanium dioxide mesoporous materials prepared by evaporation induced self-assembly process. International Journal of Hydrogen Energy, 2015, 40, 10795-10806.	7.1	9
26	A Kinetic Study of Photocatalytic Degradation of Phenol over Titaniaâ€“Silica Mixed Oxide Materials under UV Illumination. Catalysts, 2022, 12, 193.	3.5	9
27	Nanocasting of Periodic Mesoporous Materials as an Effective Strategy to Prepare Mixed Phases of Titania. Molecules, 2015, 20, 21881-21895.	3.8	8
28	Investigation of Room Temperature Synthesis of Titanium Dioxide Nanoclusters Dispersed on Cubic MCM-48 Mesoporous Materials. Catalysts, 2015, 5, 1603-1621.	3.5	8
29	Efficient photocatalytic hydrogen evolution system by assembling earth abundant NixOy nanoclusters in cubic MCM-48 mesoporous materials. RSC Advances, 2016, 6, 59169-59180.	3.6	8
30	Exploration of the role of anions in the synthesis of Cr containing mesoporous materials at room temperature. Microporous and Mesoporous Materials, 2013, 170, 211-225.	4.4	6
31	Expeditious one-pot three component synthesis of N-aryl dithiocarbamate derivatives using mesoporous Cu-materials. Tetrahedron Letters, 2015, 56, 1609-1613.	1.4	5
32	Size-, and Shape-Selective Synthesis of Platinum Nanoparticles from Pt(<I>Î²</I>-Diketonate)₂ Complexes in Organic Media. Journal of Nanoscience and Nanotechnology, 2010, 10, 5715-5722.	0.9	1
33	REACTIVITY AND MORPHOLOGY OF Ni, Mo, AND Niâ€“Mo OXIDE CLUSTERS SUPPORTED ON MCM-48 TOWARD THIOPHENE HYDRODESULPHURIZATION. Surface Review and Letters, 2014, 21, 1450060.	1.1	1