Wan-Ting Chen

List of Publications by Year
in descending order

27	1,982	361413 20	526287 27
papers	citations	h-index	g-index

27	27	27	2696
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The roles of metal co-catalysts and reaction media in photocatalytic hydrogen production: Performance evaluation of M/TiO2 photocatalysts (M = Pd, Pt, Au) in different alcoholâ€“water mixtures. Journal of Catalysis, 2015, 329, 355-367.	6.2	307
2	Effect of gold loading and TiO2 support composition on the activity of Au/TiO2 photocatalysts for H2 production from ethanolâ€“water mixtures. Journal of Catalysis, 2013, 305, 307-317.	6.2	189
3	Ni/TiO2: A promising low-cost photocatalytic system for solar H2 production from ethanolâ€“water mixtures. Journal of Catalysis, 2015, 326, 43-53.	6.2	162
4	Molten NaClâ€Assisted Synthesis of Porous Feâ€Nâ€C Electrocatalysts with a High Density of Catalytically Accessible FeN₄ÂActive Sites and Outstanding Oxygen Reduction Reaction Performance. Advanced Energy Materials, 2021, 11, 2100219.	19.5	160
5	Effect of TiO2 polymorph and alcohol sacrificial agent on the activity of Au/TiO2 photocatalysts for H2 production in alcoholâ€“water mixtures. Journal of Catalysis, 2015, 329, 499-513.	6.2	142
6	The role of CuO in promoting photocatalytic hydrogen production over TiO2. International Journal of Hydrogen Energy, 2013, 38, 15036-15048.	7.1	129
7	Evolution of Zn(II) single atom catalyst sites during the pyrolysis-induced transformation of ZIF-8 to N-doped carbons. Science Bulletin, 2020, 65, 1743-1751.	9.0	115
8	Tunable Synthesis of Hollow Metalâ€“Nitrogenâ€“Carbon Capsules for Efficient Oxygen Reduction Catalysis in Proton Exchange Membrane Fuel Cells. ACS Nano, 2019, 13, 8087-8098.	14.6	106
9	Performance comparison of Ni/TiO2 and Au/TiO2 photocatalysts for H2 production in different alcohol-water mixtures. Journal of Catalysis, 2018, 367, 27-42.	6.2	97
10	Novel Au/TiO2 photocatalysts for hydrogen production in alcoholâ€“water mixtures based on hydrogen titanate nanotube precursors. Journal of Catalysis, 2015, 330, 238-254.	6.2	85
11	Photocatalytic H2 Production from Ethanolâ€“Water Mixtures Over Pt/TiO2 and Au/TiO2 Photocatalysts: A Comparative Study. Topics in Catalysis, 2013, 56, 1139-1151.	2.8	66
12	Highly efficient electrocatalytic hydrogen evolution promoted by Oâ€“Moâ€“C interfaces of ultrafine Î²-Mo₂C nanostructures. Chemical Science, 2020, 11, 3523-3530.	7.4	54
13	Electro-responsive macroporous polypyrrole scaffolds for triggered dexamethasone delivery. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 94, 419-426.	4.3	49
14	Hierarchical TiO₂ Nanoflower Photocatalysts with Remarkable Activity for Aqueous Methylene Blue Photo-Oxidation. ACS Omega, 2020, 5, 18919-18934.	3.5	45
15	Structural, Optical, and Catalytic Support Properties of Î³-Al₂O₃ Inverse Opals. Journal of Physical Chemistry C, 2015, 119, 6647-6659.	3.1	37
16	Effect of the TiO2 Crystallite Size, TiO2 Polymorph and Test Conditions on the Photo-Oxidation Rate of Aqueous Methylene Blue. Topics in Catalysis, 2015, 58, 85-102.	2.8	30
17	Effect of alcohol sacrificial agent on the performance of Cu/TiO2 photocatalysts for UV-driven hydrogen production. Applied Catalysis A: General, 2020, 602, 117703.	4.3	30
18	Achieving Color and Function with Structure: Optical and Catalytic Support Properties of ZrO₂ Inverse Opal Thin Films. ACS Omega, 2018, 3, 9658-9674.	3.5	27

#	Article	IF	Citations
19	Hierarchical Au/TiO2 nanoflower photocatalysts with outstanding performance for alcohol photoreforming under UV irradiation. Applied Catalysis A: General, 2020, 602, 117706.	4.3	25
20	Performance evaluation of Pd/TiO<SUB align="right">2 and Pt/TiO<SUB align="right">2 photocatalysts for hydrogen production from ethanol-water mixtures. International Journal of Nanotechnology, 2014, 11, 695.	0.2	24
21	Highly reactive anatase nanorod photocatalysts synthesized by calcination of hydrogen titanate nanotubes: Effect of calcination conditions on photocatalytic performance for aqueous dye degradation and H2 production in alcohol-water mixtures. Applied Catalysis A: General, 2018, 565, 98-118.	4.3	19
22	Solar-active photocatalysts based on TiO2 and conductive polymer PEDOT for the removal of bisphenol A. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 396, 112546.	3.9	19
23	Photocatalytic H<SUB align="right">2 production from ethanol over Au/TiO<SUB align="right">2 and Ag/TiO<SUB align="right">2. International Journal of Nanotechnology, 2014, 11, 686.	0.2	18
24	3-Dimensionally ordered macroporous PEDOT ion-exchange resins prepared by vapor phase polymerization for triggered drug delivery: Fabrication and characterization. Electrochimica Acta, 2018, 269, 560-570.	5.2	17
25	Comparison of seed layers for smooth, low loss silver films used in ultraviolet-visible plasmonic imaging devices. Thin Solid Films, 2018, 656, 68-74.	1.8	12
26	Green synthesis of akaganÃ©ite (Î²-FeOOH) nanocomposites as peroxidase-mimics and application for discoloration of methylene blue. Journal of Environmental Management, 2021, 296, 113163.	7.8	12
27	A Nitrogen-Rich Covalent Triazine Framework as a Photocatalyst for Hydrogen Production. Advances in Polymer Technology, 2020, 2020, 1-12.	1.7	6