

Rui Peng

List of Publications by Year in descending order

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29
papers

1,675
citations

361045

20
h-index

476904

29
g-index

32
all docs

32
docs citations

32
times ranked

3015
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile Synthesis of 1,3,5-Triarylbenzenes and 4-Aryl-1,2,3-Triazoles Using Mesoporous Pd-MCM-41 as Reusable Catalyst. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 104-111.	1.2	16
2	Enhanced visible light photocatalytic water reduction from a g-C ₃ N ₄ /SrTa ₂ O ₆ heterojunction. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 448-458.	10.8	58
3	Efficient photocatalytic hydrogen evolution system by assembling earth abundant Ni _x O _y nanoclusters in cubic MCM-48 mesoporous materials. <i>RSC Advances</i> , 2016, 6, 59169-59180.	1.7	8
4	Titania Composites with 2% Transition Metal Carbides as Photocatalysts for Hydrogen Production under Visible-Light Irradiation. <i>ChemSusChem</i> , 2016, 9, 1490-1497.	3.6	253
5	High-rate in-plane micro-supercapacitors scribed onto photo paper using in situ femtolaser-reduced graphene oxide/Au nanoparticle microelectrodes. <i>Energy and Environmental Science</i> , 2016, 9, 1458-1467.	15.6	202
6	Solar hydrogen generation over CdS incorporated in Ti-MCM-48 mesoporous materials under visible light illumination. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4106-4119.	3.8	19
7	Expeditious one-pot three component synthesis of N-aryl dithiocarbamate derivatives using mesoporous Cu-materials. <i>Tetrahedron Letters</i> , 2015, 56, 1609-1613.	0.7	5
8	Robust and effective Ru-bipyridyl dye sensitized Ti-MCM-48 cubic mesoporous materials for photocatalytic hydrogen evolution under visible light illumination. <i>Catalysis Communications</i> , 2015, 65, 14-19.	1.6	13
9	Solar simulated hydrogen evolution using cobalt oxide nanoclusters deposited on titanium dioxide mesoporous materials prepared by evaporation induced self-assembly process. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10795-10806.	3.8	9
10	Robust Ag nanoplate ink for flexible electronics packaging. <i>Nanoscale</i> , 2015, 7, 7368-7377.	2.8	71
11	An insight into the adsorption and photocatalytic degradation of rhodamine B in periodic mesoporous materials. <i>Applied Catalysis B: Environmental</i> , 2015, 174-175, 49-59.	10.8	82
12	Visible-light-driven Bi ₂ O ₃ /WO ₃ composites with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 91094-91102.	1.7	54
13	Pd-Ti-MCM-48 cubic mesoporous materials for solar simulated hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 905-918.	3.8	21
14	REACTIVITY AND MORPHOLOGY OF Ni, Mo, AND Ni-Mo OXIDE CLUSTERS SUPPORTED ON MCM-48 TOWARD THIOPHENE HYDRODESULPHURIZATION. <i>Surface Review and Letters</i> , 2014, 21, 1450060.	0.5	1
15	Removal of Hazardous Pollutants from Wastewaters: Applications of TiO ₂ -SiO ₂ Mixed Oxide Materials. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-42.	1.5	176
16	Preparation of TiO ₂ -SiO ₂ aperiodic mesoporous materials with controllable formation of tetrahedrally coordinated Ti ⁴⁺ ions and their performance for photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 127-136.	3.8	29
17	Competitive role of structural properties of titania-silica mixed oxides and a mechanistic study of the photocatalytic degradation of phenol. <i>Applied Catalysis B: Environmental</i> , 2014, 148-149, 394-405.	10.8	41
18	Insight into band positions and inter-particle electron transfer dynamics between CdS nanoclusters and spatially isolated TiO ₂ dispersed in cubic MCM-48 mesoporous materials: a highly efficient system for photocatalytic hydrogen evolution under visible light illumination. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2048-2061.	1.3	17

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19	Mesoporous coupled ZnO/TiO ₂ photocatalyst nanocomposites for hydrogen generation. Journal of Renewable and Sustainable Energy, 2013, 5, .	0.8	39
20	Synthesis-Dependent Oxidation State of Platinum on TiO ₂ and Their Influences on the Solar Simulated Photocatalytic Hydrogen Production from Water. Journal of Physical Chemistry C, 2013, 117, 16850-16862.	1.5	40
21	An investigation into the effect of porosities on the adsorption of Rhodamine B using titania-silica mixed oxide xerogels. Journal of Environmental Management, 2013, 128, 530-539.	3.8	23
22	Influence of Ti-O-Si hetero-linkages in the photocatalytic degradation of Rhodamine B. Catalysis Communications, 2013, 31, 66-70.	1.6	54
23	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.	10.8	19
24	Ultra-stable CdS incorporated Ti-MCM-48 mesoporous materials for efficient photocatalytic decomposition of water under visible light illumination. Chemical Communications, 2013, 49, 3221.	2.2	64
25	Versatility of heterogeneous photocatalysis: synthetic methodologies epitomizing the role of silica support in TiO ₂ based mixed oxides. Catalysis Science and Technology, 2012, 2, 1737.	2.1	94
26	Visible light driven photocatalytic evolution of hydrogen from water over CdS encapsulated MCM-48 materials. RSC Advances, 2012, 2, 5754.	1.7	53
27	Room Temperature Synthesis of Ti-MCM-48 and Ti-MCM-41 Mesoporous Materials and Their Performance on Photocatalytic Splitting of Water. Journal of Physical Chemistry C, 2012, 116, 1605-1613.	1.5	90
28	TiO ₂ -SiO ₂ mixed oxides: Organic ligand templated controlled deposition of titania and their photocatalytic activities for hydrogen production. International Journal of Hydrogen Energy, 2012, 37, 17009-17018.	3.8	23
29	Enhanced photocatalytic water splitting activity of carbon-modified TiO ₂ composite materials synthesized by a green synthetic approach. International Journal of Hydrogen Energy, 2012, 37, 8257-8267.	3.8	101