Jeannie Z Y Tan

List of Publications by Year
in descending order

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32
papers

1,058
citations

430442
18
h-index

454577
30
g-index

33
all docs

33
docs citations

33
times ranked

1821
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of carbon dioxide photoreduction process in a laboratory-scale photoreactor by computational fluid dynamic and reaction kinetic modeling. Frontiers of Chemical Science and Engineering, 2022, 16, 1149-1163.	2.3	6
2	Coreâ€“shell TiO_{2âˆ’<i>x</i>}-Cu_{<i>y</i>}O microspheres for photogeneration of cyclic carbonates under simulated sunlight. Nanoscale, 2022, 14, 6349-6356.	2.8	1
3	Investigation of CO₂ Photoreduction in an Annular Fluidized Bed Photoreactor by MP-PIC Simulation. Industrial & Engineering Chemistry Research, 2022, 61, 3123-3136.	1.8	5
4	Production of CH4 and CO on CuxO and NixOy coatings through CO2 photoreduction. Journal of Environmental Chemical Engineering, 2022, 10, 108199.	3.3	9
5	Comparative study of CO2 photoreduction using different conformations of CuO photocatalyst: Powder, coating on mesh and thin film. Journal of CO2 Utilization, 2021, 50, 101588.	3.3	18
6	Hierarchical hyper-branched titania nanorods with tuneable selectivity for CO₂ photoreduction. RSC Advances, 2021, 11, 32022-32029.	1.7	0
7	Alkali modified P25 with enhanced CO₂ adsorption for CO₂ photoreduction. RSC Advances, 2020, 10, 27989-27994.	1.7	13
8	Synthesis of TiO2âˆ’x/W18O49 hollow double-shell and coreâ€“shell microspheres for CO2 photoreduction under visible light. Chemical Communications, 2020, 56, 12150-12153.	2.2	17
9	Development of photocatalysts and system optimization for CO2 photoreduction. , 2020, , 39-73.		2
10	Raspberryâ€·Like Microspheres of Coreâ€“Shell Cr₂O₃@TiO₂ Nanoparticles for CO₂ Photoreduction. ChemSusChem, 2019, 12, 5246-5252.	3.6	23
11	Laser Induced Plasmonic Heating with Au Decorated TiO2 Nanoparticles. Energy Procedia, 2019, 158, 5647-5652.	1.8	4
12	A microfluidic photoelectrochemical cell for solar-driven CO₂ conversion into liquid fuels with CuO-based photocathodes. Faraday Discussions, 2019, 215, 329-344.	1.6	28
13	Continuous flow-based laser-assisted plasmonic heating: A new approach for photothermal energy conversion and utilization. Applied Energy, 2019, 247, 517-524.	5.1	27
14	A review of nanostructured non-titania photocatalysts and hole scavenging agents for CO₂ photoreduction processes. Journal of Materials Chemistry A, 2019, 7, 9368-9385.	5.2	41
15	Photo-generation of cyclic carbonates using hyper-branched Ruâ€“TiO₂. Faraday Discussions, 2019, 215, 407-421.	1.6	8
16	Tricomponent brookite/anatase TiO₂/g-C₃N₄ heterojunction in mesoporous hollow microspheres for enhanced visible-light photocatalysis. Journal of Materials Chemistry A, 2018, 6, 7236-7245.	5.2	74
17	High-Performance Coral Reef-like Carbon Nitrides: Synthesis and Application in Photocatalysis and Heavy Metal Ion Adsorption. ACS Applied Materials & Interfaces, 2017, 9, 4540-4547.	4.0	94
18	Monodisperse anatase titania microspheres with high-thermal stability and large pore size (âˆ¼80 nm) as efficient photocatalysts. Journal of Materials Chemistry A, 2017, 5, 3645-3654.	5.2	26

#	Article	IF	Citations
19	Electrospun PVDFâ€“TiO2 with tuneable TiO2 crystal phases: synthesis and application in photocatalytic redox reactions. Journal of Materials Chemistry A, 2017, 5, 641-648.	5.2	29
20	Mesoporous TiO₂/g-C₃N₄ Microspheres with Enhanced Visible-Light Photocatalytic Activity. Journal of Physical Chemistry C, 2017, 121, 22114-22122.	1.5	118
21	Mesoporous Nitrogenâ€‘Modified Titania with Enhanced Dye Adsorption Capacity and Visible Light Photocatalytic Activity. ChemistrySelect, 2016, 1, 4868-4878.	0.7	20
22	Probing the Effects of Templating on the UV and Visible Light Photocatalytic Activity of Porous Nitrogen-Modified Titania Monoliths for Dye Removal. ACS Applied Materials & Interfaces, 2016, 8, 17194-17204.	4.0	34
23	Flowerlike WSe₂ and WS₂ microspheres: one-pot synthesis, formation mechanism and application in heavy metal ion sequestration. Chemical Communications, 2016, 52, 4481-4484.	2.2	81
24	Extremely high arsenic removal capacity for mesoporous aluminium magnesium oxide composites. Environmental Science: Nano, 2016, 3, 94-106.	2.2	123
25	Enhanced CO2 photoreduction under electrostatic field induction. Solar Energy Materials and Solar Cells, 2015, 143, 275-279.	3.0	2
26	Full-color photoluminescence of ZnO nanorod arrays based on annealing processes. Journal of Luminescence, 2013, 135, 201-205.	1.5	8
27	Electrodeposited Ag nanoparticles on TiO2 nanorods for enhanced UV visible light photoreduction CO2 to CH4. Applied Surface Science, 2013, 277, 105-110.	3.1	95
28	The influence of electrochemical terms on TiO<inf>2</inf> nanorod morphology and photoreduction ability. , 2013, , .		0
29	Growth of crystallized titania from the cores of amorphous tetrabutyl titanate@PVDF nanowires. Journal of Materials Chemistry, 2012, 22, 18603.	6.7	15
30	Electrodeposition of hierarchical Ag nanostructures on ITO glass for reproducible and sensitive SERS application. Applied Surface Science, 2012, 258, 6632-6636.	3.1	25
31	Mechanisms in photoluminescence enhancement of ZnO nanorod arrays by the localized surface plasmons of Ag nanoparticles. Applied Surface Science, 2012, 258, 8548-8551.	3.1	23
32	Photoreduction of CO2 using copper-decorated TiO2 nanorod films with localized surface plasmon behavior. Chemical Physics Letters, 2012, 531, 149-154.	1.2	88