

# Jeannie Z Y Tan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4255286/publications.pdf>

Version: 2024-02-01

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	Extremely high arsenic removal capacity for mesoporous aluminium magnesium oxide composites. <i>Environmental Science: Nano</i> , 2016, 3, 94-106.	2.2	123
2	Mesoporous TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> Microspheres with Enhanced Visible-Light Photocatalytic Activity. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22114-22122.	1.5	118
3	Electrodeposited Ag nanoparticles on TiO <sub>2</sub> nanorods for enhanced UV visible light photoreduction CO <sub>2</sub> to CH <sub>4</sub> . <i>Applied Surface Science</i> , 2013, 277, 105-110.	3.1	95
4	High-Performance Coral Reef-like Carbon Nitrides: Synthesis and Application in Photocatalysis and Heavy Metal Ion Adsorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4540-4547.	4.0	94
5	Photoreduction of CO <sub>2</sub> using copper-decorated TiO <sub>2</sub> nanorod films with localized surface plasmon behavior. <i>Chemical Physics Letters</i> , 2012, 531, 149-154.	1.2	88
6	Flowerlike WSe <sub>2</sub> and WS <sub>2</sub> microspheres: one-pot synthesis, formation mechanism and application in heavy metal ion sequestration. <i>Chemical Communications</i> , 2016, 52, 4481-4484.	2.2	81
7	Tricomponent brookite/anatase TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction in mesoporous hollow microspheres for enhanced visible-light photocatalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7236-7245.	5.2	74
8	A review of nanostructured non-titania photocatalysts and hole scavenging agents for CO <sub>2</sub> photoreduction processes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9368-9385.	5.2	41
9	Probing the Effects of Templating on the UV and Visible Light Photocatalytic Activity of Porous Nitrogen-Modified Titania Monoliths for Dye Removal. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 17194-17204.	4.0	34
10	Electrospun PVDF@TiO <sub>2</sub> with tuneable TiO <sub>2</sub> crystal phases: synthesis and application in photocatalytic redox reactions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 641-648.	5.2	29
11	A microfluidic photoelectrochemical cell for solar-driven CO <sub>2</sub> conversion into liquid fuels with CuO-based photocathodes. <i>Faraday Discussions</i> , 2019, 215, 329-344.	1.6	28
12	Continuous flow-based laser-assisted plasmonic heating: A new approach for photothermal energy conversion and utilization. <i>Applied Energy</i> , 2019, 247, 517-524.	5.1	27
13	Monodisperse anatase titania microspheres with high-thermal stability and large pore size (~480 nm) as efficient photocatalysts. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3645-3654.	5.2	26
14	Electrodeposition of hierarchical Ag nanostructures on ITO glass for reproducible and sensitive SERS application. <i>Applied Surface Science</i> , 2012, 258, 6632-6636.	3.1	25
15	Mechanisms in photoluminescence enhancement of ZnO nanorod arrays by the localized surface plasmons of Ag nanoparticles. <i>Applied Surface Science</i> , 2012, 258, 8548-8551.	3.1	23
16	Raspberry-Like Microspheres of Core-Shell Cr <sub>2</sub> O <sub>3</sub> @TiO <sub>2</sub> Nanoparticles for CO <sub>2</sub> Photoreduction. <i>ChemSusChem</i> , 2019, 12, 5246-5252.	3.6	23
17	Mesoporous Nitrogen-Modified Titania with Enhanced Dye Adsorption Capacity and Visible Light Photocatalytic Activity. <i>ChemistrySelect</i> , 2016, 1, 4868-4878.	0.7	20
18	Comparative study of CO <sub>2</sub> photoreduction using different conformations of CuO photocatalyst: Powder, coating on mesh and thin film. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 50, 101588.	3.3	18

#	ARTICLE	IF	CITATIONS
19	Synthesis of TiO <sub>2</sub> /W18O <sub>49</sub> hollow double-shell and core-shell microspheres for CO <sub>2</sub> photoreduction under visible light. <i>Chemical Communications</i> , 2020, 56, 12150-12153.	2.2	17
20	Growth of crystallized titania from the cores of amorphous tetrabutyl titanate@PVDF nanowires. <i>Journal of Materials Chemistry</i> , 2012, 22, 18603.	6.7	15
21	Alkali modified P25 with enhanced CO <sub>2</sub> adsorption for CO <sub>2</sub> photoreduction. <i>RSC Advances</i> , 2020, 10, 27989-27994.	1.7	13
22	Production of CH <sub>4</sub> and CO on Cu <sub>x</sub> O and Ni <sub>x</sub> O <sub>y</sub> coatings through CO <sub>2</sub> photoreduction. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108199.	3.3	9
23	Full-color photoluminescence of ZnO nanorod arrays based on annealing processes. <i>Journal of Luminescence</i> , 2013, 135, 201-205.	1.5	8
24	Photo-generation of cyclic carbonates using hyper-branched Ru-TiO <sub>2</sub> . <i>Faraday Discussions</i> , 2019, 215, 407-421.	1.6	8
25	Investigation of carbon dioxide photoreduction process in a laboratory-scale photoreactor by computational fluid dynamic and reaction kinetic modeling. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 1149-1163.	2.3	6
26	Investigation of CO <sub>2</sub> Photoreduction in an Annular Fluidized Bed Photoreactor by MP-PIC Simulation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 3123-3136.	1.8	5
27	Laser Induced Plasmonic Heating with Au Decorated TiO <sub>2</sub> Nanoparticles. <i>Energy Procedia</i> , 2019, 158, 5647-5652.	1.8	4
28	Enhanced CO <sub>2</sub> photoreduction under electrostatic field induction. <i>Solar Energy Materials and Solar Cells</i> , 2015, 143, 275-279.	3.0	2
29	Development of photocatalysts and system optimization for CO <sub>2</sub> photoreduction. , 2020, , 39-73.		2
30	Core-shell TiO <sub>2</sub> -Cu <sub>y</sub> O microspheres for photogeneration of cyclic carbonates under simulated sunlight. <i>Nanoscale</i> , 2022, 14, 6349-6356.	2.8	1
31	The influence of electrochemical terms on TiO <sub>2</sub> nanorod morphology and photoreduction ability. , 2013, , .		0
32	Hierarchical hyper-branched titania nanorods with tuneable selectivity for CO <sub>2</sub> photoreduction. <i>RSC Advances</i> , 2021, 11, 32022-32029.	1.7	0