

# Saisai Yuan

## List of Publications by Year in descending order

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30  
papers

1,040  
citations

430442

18  
h-index

476904

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30  
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30  
docs citations

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times ranked

1420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking Confined Reaction Based on Host-Guest Interaction Using Single-Molecule Conductance Measurement. <i>Small</i> , 2022, 18, e2104554.	5.2	11
2	The Evolution of the Charge Transport Mechanism in Single-Molecule Break Junctions Revealed by Flicker Noise Analysis. <i>Small</i> , 2022, 18, e2107220.	5.2	9
3	Fabrication and characterization of inverse opal tin dioxide as a novel and high-performance photocatalyst for degradation of Rhodamine B dye. <i>Inorganic and Nano-Metal Chemistry</i> , 2021, 51, 150-158.	0.9	12
4	Electric field-induced switching among multiple conductance pathways in single-molecule junctions. <i>Chemical Communications</i> , 2021, 57, 7160-7163.	2.2	8
5	Boosting visible-light-driven photocatalytic performance of waxberry-like CeO <sub>2</sub> by samarium doping and silver QDs anchoring. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119845.	10.8	51
6	Single-atom control of electrical conductance and thermopower through single-cluster junctions. <i>Nanoscale</i> , 2021, 13, 12594-12601.	2.8	6
7	The Characterization of Electronic Noise in the Charge Transport through Single-Molecule Junctions. <i>Small Methods</i> , 2021, 5, e2001064.	4.6	9
8	Application of One-Dimensional Nanomaterials in Catalysis at the Single-Molecule and Single-Particle Scale. <i>Frontiers in Chemistry</i> , 2021, 9, 812287.	1.8	9
9	Design and Synthesis of Sm, Y, La and Nd-doped CeO <sub>2</sub> with a broom-like hierarchical structure: a photocatalyst with enhanced oxidation performance. <i>ChemCatChem</i> , 2020, 12, 2638-2646.	1.8	51
10	Preparation of inverse opal titanium dioxide for photocatalytic performance research. <i>Optical Materials</i> , 2019, 96, 109287.	1.7	22
11	Synthesis of Y-doped CeO <sub>2</sub> /PCN nanocomposited photocatalyst with promoted photoredox performance. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 513-521.	10.8	88
12	A facile approach to build Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> /PCN nanohybrid photocatalysts for gaseous acetaldehyde efficient removal. <i>Catalysis Today</i> , 2018, 315, 184-193.	2.2	32
13	Development of the Visible-Light Response of CeO <sub>2</sub> with a high Ce <sup>3+</sup> Content and Its Photocatalytic Properties. <i>ChemCatChem</i> , 2018, 10, 1267-1271.	1.8	37
14	Fabrication and characterization of black TiO <sub>2</sub> with different Ti <sup>3+</sup> concentrations under atmospheric conditions. <i>Journal of Catalysis</i> , 2018, 366, 282-288.	3.1	31
15	Effects of the Atmosphere in a Hydrothermal Process on the Morphology and Photocatalytic Activity of Cerium Oxide. <i>ChemCatChem</i> , 2018, 10, 4269-4273.	1.8	9
16	A new precursor to synthesize g-C <sub>3</sub> N <sub>4</sub> with superior visible light absorption for photocatalytic application. <i>Catalysis Science and Technology</i> , 2017, 7, 1826-1830.	2.1	35
17	Improving g-C <sub>3</sub> N <sub>4</sub> photocatalytic performance by hybridizing with Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> nanosheets. <i>Catalysis Today</i> , 2017, 284, 27-36.	2.2	54
18	Synthesis and photocatalytic performance of yttrium-doped CeO <sub>2</sub> with a hollow sphere structure. <i>Catalysis Today</i> , 2017, 281, 135-143.	2.2	52

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19	Synthesis and photocatalytic performance of yttrium-doped CeO <sub>2</sub> with a porous broom-like hierarchical structure. <i>Applied Catalysis B: Environmental</i> , 2016, 183, 361-370.	10.8	57
20	Preparation and optical properties of tin dioxide inverse opal film. <i>Rare Metals</i> , 2015, , 1.	3.6	3
21	One-pot facile synthesis of branched Ag-ZnO heterojunction nanostructure as highly efficient photocatalytic catalyst. <i>Applied Surface Science</i> , 2015, 353, 949-957.	3.1	45
22	Synthesis high specific surface area nanotube g-C <sub>3</sub> N <sub>4</sub> with two-step condensation treatment of melamine to enhance photocatalysis properties. <i>RSC Advances</i> , 2015, 5, 4026-4029.	1.7	75
23	Morphology control and characterization of broom-like porous CeO <sub>2</sub> . <i>Chemical Engineering Journal</i> , 2015, 260, 126-132.	6.6	91
24	Morphology control and photocatalytic characterization of yttrium-doped hedgehog-like CeO <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2015, 164, 120-127.	10.8	39
25	Fabrication and characterization of sesame ball-like CeO <sub>2</sub> :Y <sub>3</sub> +P(StAA) composite microspheres based on electrostatic interaction. <i>Materials Letters</i> , 2014, 121, 109-112.	1.3	3
26	Porous cerium dioxide hollow spheres and their photocatalytic performance. <i>RSC Advances</i> , 2014, 4, 62255-62261.	1.7	39
27	Synthesis of novel yttrium-doped graphene oxide nanocomposite for dye removal. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7897-7903.	5.2	39
28	Electrocatalysis and detection of nitrite on a reduced graphene/Pd nanocomposite modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 602-607.	4.0	122
29	Fabrication and Characterization of Tin Oxide Inverse Opal by Template Method. <i>Key Engineering Materials</i> , 2013, 562-565, 18-21.	0.4	1
30	Fabrication and Characterization of Tin Oxide Inverse Opal by Template Method. , 0, , .		0