

# Shuo Zhao

## List of Publications by Year in descending order

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62  
papers

1,908  
citations

257450

24  
h-index

265206

42  
g-index

62  
all docs

62  
docs citations

62  
times ranked

2299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile one-step synthesis of hollow mesoporous g-C <sub>3</sub> N <sub>4</sub> spheres with ultrathin nanosheets for photoredox water splitting. <i>Carbon</i> , 2018, 126, 247-256.	10.3	204
2	One-pot synthesis of K-doped g-C <sub>3</sub> N <sub>4</sub> nanosheets with enhanced photocatalytic hydrogen production under visible-light irradiation. <i>Applied Surface Science</i> , 2018, 440, 258-265.	6.1	164
3	Reactable Polyelectrolyte-Assisted Synthesis of BiOCl with Enhanced Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1416-1424.	6.7	102
4	Bio-template synthesis of Mo-doped polymer carbon nitride for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 44-53.	20.2	96
5	Facile Synthesis of Self-Assembled g-C <sub>3</sub> N <sub>4</sub> with Abundant Nitrogen Defects for Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10200-10210.	6.7	93
6	CdS nanosphere-decorated hollow polyhedral ZCO derived from a metal-organic framework (MOF) for effective photocatalytic water evolution. <i>Nanoscale</i> , 2018, 10, 4463-4474.	5.6	80
7	Hollow tubular carbon doping graphitic carbon nitride with adjustable structure for highly enhanced photocatalytic hydrogen production. <i>Carbon</i> , 2021, 182, 287-296.	10.3	69
8	Ionic liquid-assisted synthesis of Br-modified g-C <sub>3</sub> N <sub>4</sub> semiconductors with high surface area and highly porous structure for photoredox water splitting. <i>Journal of Power Sources</i> , 2017, 370, 106-113.	7.8	65
9	Enhanced visible light photocatalytic performance of g-C <sub>3</sub> N <sub>4</sub> /CuS p-n heterojunctions for degradation of organic dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 348, 168-178.	3.9	62
10	Hierarchical Honeycomb Br-, N-Codoped TiO <sub>2</sub> with Enhanced Visible-Light Photocatalytic H <sub>2</sub> Production. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 18796-18804.	8.0	58
11	Self-Assembled Mesoporous Carbon Nitride with Tunable Texture for Enhanced Visible-Light Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8291-8299.	6.7	48
12	Reactable polyelectrolyte-assisted preparation of flower-like Ag/AgCl/BiOCl composite with enhanced photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 350, 94-102.	3.9	44
13	Synthesis of ordered mesoporous La <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> composites with encapsulated Pt NPs and the effect of La-doping on catalytic activity. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 178-185.	9.4	37
14	Ionic liquid-assisted photochemical synthesis of ZnO/Ag <sub>2</sub> O heterostructures with enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , 2017, 410, 344-353.	6.1	35
15	Poly(ionic liquid)-Assisted Synthesis of Open-Ended Carbon Nitride Tube for Efficient Photocatalytic Hydrogen Evolution under Visible-Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10095-10104.	6.7	34
16	Synthesis of graphitic carbon nitride with large specific surface area via copolymerizing with nucleobases for photocatalytic hydrogen generation. <i>Applied Surface Science</i> , 2019, 463, 1-8.	6.1	33
17	Synthesis of novel ultrasmall Au-loaded magnetic SiO <sub>2</sub> /carbon yolk-shell ellipsoids as highly reactive and recoverable nanocatalysts. <i>Carbon</i> , 2017, 121, 602-611.	10.3	32
18	Synthesis and characterization of hollow ZrO <sub>2</sub> /TiO <sub>2</sub> /Au spheres as a highly thermal stability nanocatalyst. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 23-32.	9.4	31

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19	In-situ formation of supported Au nanoparticles in hierarchical yolk-shell CeO <sub>2</sub> /mSiO <sub>2</sub> structures as highly reactive and sinter-resistant catalysts. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 196-206.	9.4	30
20	Fabrication of sandwich-structured g-C <sub>3</sub> N <sub>4</sub> /Au/BiOCl Z-scheme photocatalyst with enhanced photocatalytic performance under visible light irradiation. <i>Journal of Materials Science</i> , 2018, 53, 6008-6020.	3.7	29
21	Construction of three-dimensional mesoporous carbon nitride with high surface area for efficient visible-light-driven hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 601-608.	9.4	29
22	Double-shelled TiO <sub>2</sub> Hollow Spheres Assembled with TiO <sub>2</sub> Nanosheets. <i>Chemistry - A European Journal</i> , 2017, 23, 4336-4343.	3.3	28
23	Synthesis of immobilized heteropolyanion-based ionic liquids on mesoporous silica SBA-15 as a heterogeneous catalyst for alkylation. <i>RSC Advances</i> , 2014, 4, 30697-30703.	3.6	27
24	In situ doping of Pt active sites via Sn in double-shelled TiO <sub>2</sub> hollow nanospheres with enhanced photocatalytic H <sub>2</sub> production efficiency. <i>New Journal of Chemistry</i> , 2017, 41, 11089-11096.	2.8	24
25	A self-assembly strategy to synthesize carbon doped carbon nitride microtubes with a large $\pi$ -electron conjugated system for efficient H <sub>2</sub> evolution. <i>Chemical Engineering Journal</i> , 2022, 447, 137436.	12.7	24
26	A novel hierarchical TiO <sub>2</sub> @Pt@mSiO <sub>2</sub> hollow nanocatalyst with enhanced thermal stability. <i>Journal of Alloys and Compounds</i> , 2017, 701, 780-787.	5.5	21
27	Fabrication of Ellipsoidal Silica Yolk-Shell Magnetic Structures with Extremely Stable Au Nanoparticles as Highly Reactive and Recoverable Catalysts. <i>Langmuir</i> , 2017, 33, 2698-2708.	3.5	20
28	In-situ construction of Au nanoparticles confined in double-shelled TiO <sub>2</sub> /mSiO <sub>2</sub> hollow architecture for excellent catalytic activity and enhanced thermal stability. <i>Applied Surface Science</i> , 2017, 392, 36-45.	6.1	20
29	Carbon and phosphorus co-doped carbon nitride hollow tube for improved photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 152-162.	9.4	20
30	Ionic liquid-assisted synthesis of highly dispersive bowknot-like ZnO microrods for photocatalytic applications. <i>Applied Surface Science</i> , 2017, 400, 269-276.	6.1	19
31	Synthesis of micro/mesoporous silica material by dual-template method as a heterogeneous catalyst support for alkylation. <i>RSC Advances</i> , 2015, 5, 28124-28132.	3.6	18
32	Design of micro-mesoporous zeolite catalysts for alkylation. <i>RSC Advances</i> , 2016, 6, 50630-50639.	3.6	18
33	One-step synthesis of core-shell structured mesoporous silica spheres templated by protic ionic liquid and CTAB. <i>Materials Letters</i> , 2016, 178, 35-38.	2.6	18
34	Synthesis of NiO-TiO <sub>2</sub> hybrids/mSiO <sub>2</sub> yolk-shell architectures embedded with ultrasmall gold nanoparticles for enhanced reactivity. <i>Applied Surface Science</i> , 2017, 412, 616-626.	6.1	18
35	Alkylation of <i>o</i> -xylene and styrene catalyzed by cross-linked poly acidic ionic liquids catalyst with novel mesoporous-macroporous structure. <i>Applied Catalysis A: General</i> , 2018, 552, 138-146.	4.3	18
36	Controllable fabrication of 3D porous carbon nitride with ultra-thin nanosheets templated by ionic liquid for highly efficient water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 25004-25014.	7.1	18

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37	Self-Assembly Hierarchical Silica Nanotubes with Vertically Aligned Silica Nanorods and Embedded Platinum Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1578-1585.	6.7	17
38	Preparation of TiO <sub>2</sub> /ZrO <sub>2</sub> /Au/CeO <sub>2</sub> hollow sandwich-like nanostructures for excellent catalytic activity and thermal stability. <i>New Journal of Chemistry</i> , 2017, 41, 13472-13482.	2.8	16
39	C-Rich Graphitic Carbon Nitride with Cross Pore Channels: A Visible-Light-Driven Photocatalyst for Water Splitting. <i>ACS Applied Energy Materials</i> , 2021, 4, 1784-1792.	5.1	16
40	Sn <sup>2+</sup> -Doped Double-Shelled TiO <sub>2</sub> Hollow Nanospheres with Minimal Pt Content for Significantly Enhanced Solar H <sub>2</sub> Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7128-7137.	6.7	15
41	Synthesis of core-shell and hollow structured dual-mesoporous silica templated by alkoxysilyl-functionalized ionic liquids and CTAB. <i>Materials Letters</i> , 2018, 211, 126-129.	2.6	14
42	Facile one-step synthesis of micro/mesoporous material with ordered bimodal mesopores templated by protic ionic liquid as a heterogeneous catalyst support for alkylation. <i>Journal of Porous Materials</i> , 2015, 22, 1407-1416.	2.6	13
43	Ionic liquid-assisted synthesis of porous BiOBr microspheres with enhanced visible light photocatalytic performance. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4596.	3.5	13
44	Synthesis of carbon nitride hollow microspheres with highly hierarchical porosity templated by poly (ionic liquid) for photocatalytic hydrogen evolution. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5474.	3.5	13
45	Preparation of magnetically recoverable gold nanocatalysts with a highly reactive and enhanced thermal stability. <i>Journal of Alloys and Compounds</i> , 2016, 688, 23-31.	5.5	11
46	Ultrasonic/microwave synergistic synthesis of well-dispersed hierarchical zeolite Y with improved alkylation catalytic activity. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1931-1937.	2.7	9
47	Self-assembly of hollow spherical nanocatalysts with encapsulated Pt NPs and the effect of Ce-dipping on catalytic activity. <i>RSC Advances</i> , 2016, 6, 70303-70310.	3.6	9
48	The investigation of Ag decorated double-wall hollow TiO <sub>2</sub> spheres as photocatalyst. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4160.	3.5	9
49	Morphology-controlled fabrication of biomorphic alumina-based hierarchical LDH compounds for propane dehydrogenation reaction. <i>New Journal of Chemistry</i> , 2018, 42, 103-110.	2.8	8
50	Self-assembly structural transition of protic ionic liquids and P123 for inducing hierarchical porous materials. <i>RSC Advances</i> , 2016, 6, 35076-35085.	3.6	7
51	Novel heterostructural Fe <sub>2</sub> O <sub>3</sub> /CeO <sub>2</sub> /Au/carbon yolk-shell magnetic ellipsoids assembled with ultrafine Au nanoparticles for superior catalytic performance. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 81, 65-76.	5.3	7
52	Zirconium incorporated micro/mesoporous silica solid acid catalysts for alkylation of o-xylene with styrene. <i>Journal of Porous Materials</i> , 2017, 24, 109-120.	2.6	7
53	Synergic effects of a protic ionic liquid on P123 mixed micelles for inducing hierarchical porous materials. <i>RSC Advances</i> , 2015, 5, 53267-53274.	3.6	6
54	Dispersed gold nanoparticles supported in the pores of flower-like macrocellular siliceous foams based on an ionic liquid as catalysts for reduction. <i>RSC Advances</i> , 2016, 6, 48757-48766.	3.6	6

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55	Synthesis of double-shell hollow magnetic Au-loaded ellipsoids as highly active and recoverable nanoreactors. <i>New Journal of Chemistry</i> , 2017, 41, 4448-4457.	2.8	6
56	Novel synthesis of Fe <sub>2</sub> O <sub>3</sub> @Pt ellipsoids coated by double-shelled La <sub>2</sub> O <sub>3</sub> as a catalyst for the reduction of 4-nitrophenol. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4208.	3.5	5
57	One-step synthesis of hierarchical aluminosilicates using alkoxy-functionalized ionic liquid as a novel template. <i>New Journal of Chemistry</i> , 2016, 40, 6036-6045.	2.8	4
58	A novel strategy to construct Ti-Si mixed oxides shell for yolk@shell Pt nanocatalyst. <i>Materials Letters</i> , 2017, 188, 172-175.	2.6	4
59	Hierarchical TiO <sub>2</sub> nanosheet-assembled nanotubes with dual electron sink functional sites for efficient photocatalytic degradation of rhodamine B. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4204.	3.5	3
60	Ionic liquid-assisted synthesis of defect-rich BiOI with controllable structure and high surface area for excellent visible-light photocatalytic activity. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5816.	3.5	2
61	Protic ionic liquid triggered self-assembly structural transition of CTAB for inducing silica spheres with radially oriented mesochannels. <i>Journal of Porous Materials</i> , 2017, 24, 899-904.	2.6	1
62	Fabrication and characterization of double-shelled CeO <sub>2</sub> @La <sub>2</sub> O <sub>3</sub> /Au/Fe <sub>3</sub> O <sub>4</sub> hollow architecture as a recyclable and highly thermal stability nanocatalyst. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4201.	3.5	1