

Shuo Zhao

List of Publications by Year in descending order

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62
papers

1,908
citations

293460

24
h-index

299063

42
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all docs

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docs citations

62
times ranked

2520
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.0	20
2	A self-assembly strategy to synthesize carbon doped carbon nitride microtubes with a large π -electron conjugated system for efficient H ₂ evolution. <i>Chemical Engineering Journal</i> , 2022, 447, 137436.	6.6	24
3	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.	2.5	16
4	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.	3.8	18
5	Hollow tubular carbon doping graphitic carbon nitride with adjustable structure for highly enhanced photocatalytic hydrogen production. <i>Carbon</i> , 2021, 182, 287-296.	5.4	69
6	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.	5.0	29
7	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.	1.7	2
8	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.	1.7	13
9	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.	3.1	33
10	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.	3.2	34
11	Bio-template synthesis of Mo-doped polymer carbon nitride for photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 44-53.	10.8	96
12	Sn ²⁺ -Doped Double-Shelled TiO ₂ Hollow Nanospheres with Minimal Pt Content for Significantly Enhanced Solar H ₂ Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7128-7137.	3.2	15
13	Hierarchical TiO ₂ nanosheet-assembled nanotubes with dual electron sink functional sites for efficient photocatalytic degradation of rhodamine B. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4204.	1.7	3
14	One-pot synthesis of K-doped g-C ₃ N ₄ nanosheets with enhanced photocatalytic hydrogen production under visible-light irradiation. <i>Applied Surface Science</i> , 2018, 440, 258-265.	3.1	164
15	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.	2.8	80
16	Novel synthesis of Fe ₂ O ₃ @Pt ellipsoids coated by double-shelled La ₂ O ₃ as a catalyst for the reduction of 4-nitrophenol. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4208.	1.7	5
17	Fabrication and characterization of double-shelled CeO ₂ @La ₂ O ₃ /Au/Fe ₃ O ₄ hollow architecture as a recyclable and highly thermal stability nanocatalyst. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4201.	1.7	1
18	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.	2.2	18

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19	Morphology-controlled fabrication of biomorphic alumina-based hierarchical LDH compounds for propane dehydrogenation reaction. <i>New Journal of Chemistry</i> , 2018, 42, 103-110.	1.4	8
20	Fabrication of sandwich-structured g-C ₃ N ₄ /Au/BiOCl Z-scheme photocatalyst with enhanced photocatalytic performance under visible light irradiation. <i>Journal of Materials Science</i> , 2018, 53, 6008-6020.	1.7	29
21	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.	1.3	14
22	Facile one-step synthesis of hollow mesoporous g-C ₃ N ₄ spheres with ultrathin nanosheets for photoredox water splitting. <i>Carbon</i> , 2018, 126, 247-256.	5.4	204
23	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.	2.0	44
24	The investigation of Ag decorated double-wall hollow TiO ₂ spheres as photocatalyst. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4160.	1.7	9
25	Ionic liquid-assisted synthesis of porous BiOBr microspheres with enhanced visible light photocatalytic performance. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4596.	1.7	13
26	Hierarchical Honeycomb Br-, N-Codoped TiO ₂ with Enhanced Visible-Light Photocatalytic H ₂ Production. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18796-18804.	4.0	58
27	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.	3.2	48
28	Facile Synthesis of Self-Assembled g-C ₃ N ₄ with Abundant Nitrogen Defects for Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10200-10210.	3.2	93
29	A novel strategy to construct Ti-Si mixed oxides shell for yolk@shell Pt nanocatalyst. <i>Materials Letters</i> , 2017, 188, 172-175.	1.3	4
30	A novel hierarchical TiO ₂ @Pt@mSiO ₂ hollow nanocatalyst with enhanced thermal stability. <i>Journal of Alloys and Compounds</i> , 2017, 701, 780-787.	2.8	21
31	Synthesis and characterization of hollow ZrO ₂ @TiO ₂ /Au spheres as a highly thermal stability nanocatalyst. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 23-32.	5.0	31
32	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.	1.6	20
33	Double-Shell TiO ₂ Hollow Spheres Assembled with TiO ₂ Nanosheets. <i>Chemistry - A European Journal</i> , 2017, 23, 4336-4343.	1.7	28
34	Synthesis of NiO-TiO ₂ hybrids/mSiO ₂ yolk-shell architectures embedded with ultrasmall gold nanoparticles for enhanced reactivity. <i>Applied Surface Science</i> , 2017, 412, 616-626.	3.1	18
35	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.	1.4	6
36	Synthesis of ordered mesoporous La ₂ O ₃ -ZrO ₂ 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.	5.0	37

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37	Synthesis of novel ultrasmall Au-loaded magnetic SiO ₂ /carbon yolk-shell ellipsoids as highly reactive and recoverable nanocatalysts. <i>Carbon</i> , 2017, 121, 602-611.	5.4	32
38	Ionic liquid-assisted photochemical synthesis of ZnO/Ag ₂ O heterostructures with enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , 2017, 410, 344-353.	3.1	35
39	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.	3.2	17
40	Ionic liquid-assisted synthesis of highly dispersive bowknot-like ZnO microrods for photocatalytic applications. <i>Applied Surface Science</i> , 2017, 400, 269-276.	3.1	19
41	Reactable Polyelectrolyte-Assisted Synthesis of BiOCl with Enhanced Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 1416-1424.	3.2	102
42	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.	1.3	1
43	Ionic liquid-assisted synthesis of Br-modified g-C ₃ N ₄ semiconductors with high surface area and highly porous structure for photoredox water splitting. <i>Journal of Power Sources</i> , 2017, 370, 106-113.	4.0	65
44	Preparation of TiO ₂ /ZrO ₂ /Au/CeO ₂ hollow sandwich-like nanostructures for excellent catalytic activity and thermal stability. <i>New Journal of Chemistry</i> , 2017, 41, 13472-13482.	1.4	16
45	Enhanced visible light photocatalytic performance of g-C ₃ N ₄ /CuS p-n heterojunctions for degradation of organic dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 348, 168-178.	2.0	62
46	Novel heterostructural Fe ₂ O ₃ /CeO ₂ /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.	2.7	7
47	In-situ formation of supported Au nanoparticles in hierarchical yolk-shell CeO ₂ /mSiO ₂ structures as highly reactive and sinter-resistant catalysts. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 196-206.	5.0	30
48	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.	1.3	7
49	In-situ construction of Au nanoparticles confined in double-shelled TiO ₂ /mSiO ₂ hollow architecture for excellent catalytic activity and enhanced thermal stability. <i>Applied Surface Science</i> , 2017, 392, 36-45.	3.1	20
50	In situ doping of Pt active sites via Sn in double-shelled TiO ₂ hollow nanospheres with enhanced photocatalytic H ₂ production efficiency. <i>New Journal of Chemistry</i> , 2017, 41, 11089-11096.	1.4	24
51	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.	1.2	9
52	Design of micro-mesoporous zeolite catalysts for alkylation. <i>RSC Advances</i> , 2016, 6, 50630-50639.	1.7	18
53	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.	1.7	6
54	Self-assembly structural transition of protic ionic liquids and P123 for inducing hierarchical porous materials. <i>RSC Advances</i> , 2016, 6, 35076-35085.	1.7	7

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55	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.	1.3	18
56	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.	1.4	4
57	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.	2.8	11
58	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.	1.7	9
59	Synergic effects of a protic ionic liquid on P123 mixed micelles for inducing hierarchical porous materials. <i>RSC Advances</i> , 2015, 5, 53267-53274.	1.7	6
60	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.	1.7	18
61	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.	1.3	13
62	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.	1.7	27