Xiaoli Sheng

List of Publications by Year
in descending order

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73 papers	1,333 citations	361045 20 h-index	395343 33 g-index
73 all docs	73 docs citations	73 times ranked	1758 citing authors

#	Article	IF	Citations
1	Heterostructural MoS₂/NiS nanoflowers via precise interface modification for enhancing electrocatalytic hydrogen evolution. New Journal of Chemistry, 2022, 46, 5505-5514.	1.4	8
2	Molecular synergistic synthesis of AlPOâ€18 zeoliteâ€stabilized Pt nanocatalysts with high dispersion for the hydrogenation of levulinic acid to Î³â€valerolactone. Applied Organometallic Chemistry, 2022, 36, .	1.7	2
3	Influence of FeCl 3 â€modified chloroaluminate ionic liquids on longâ€chain alkenes alkylation. Applied Organometallic Chemistry, 2021, 35, .	1.7	4
4	Synthesis and performance of piperidiniumâ€based ionic liquids as catalyst for alkylation of p â€xylene with 1â€hexadecene. Applied Organometallic Chemistry, 2021, 35, e6147.	1.7	1
5	Synthesis of a New Type of 2-Phosphonobutane-1,2,4-tricarboxylic-Acid-Modified Terpolymer Scale Inhibitor and Its Application in the Oil Field. Energy & Fuels, 2021, 35, 6136-6143.	2.5	11
6	A nano heterostructure with step-accelerated system toward optimized photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2021, 47, 1656-1656.	3.8	4
7	Dopamine-assisted synthesis of rGO@NiPd@NC sandwich structure for highly efficient hydrogen evolution reaction. Journal of Solid State Electrochemistry, 2020, 24, 137-144.	1.2	5
8	Co-CoO/ZnFe2O4 encapsulated in carbon nanowires derived from MOFs as electrocatalysts for hydrogen evolution. Journal of Colloid and Interface Science, 2020, 561, 620-628.	5.0	19
9	Engineering water splitting sites in three-dimensional flower-like Coâ€“Niâ€“P/MoS₂ heterostructural hybrid spheres for accelerating electrocatalytic oxygen and hydrogen evolution. Journal of Materials Chemistry A, 2020, 8, 22181-22190.	5.2	47
10	The study of industrializable ionic liquid catalysts for longâ€chain alkenes Friedelâ€“Crafts alkylation. Applied Organometallic Chemistry, 2020, 34, e5878.	1.7	8
11	Synthesis of P123â€Templated and DVBâ€Crossâ€linked Mesoâ€macroporous Poly (ionic liquids) with Highâ€Performance Alkylation. Applied Organometallic Chemistry, 2020, 34, e5460.	1.7	3
12	High Catalytic Performance of Mesoporous Dual BrÃ¸nsted Acidic Ternary Poly (Ionic Liquids) for Friedelâ€Crafts Alkylation. Applied Organometallic Chemistry, 2019, 33, e5180.	1.7	5
13	The catalytic performance study of polymerized ionic liquid synthesized in different conditions on alkylation of oâ€Xylene with styrene. Applied Organometallic Chemistry, 2019, 33, e5186.	1.7	2
14	Synthesis and characterization of a supported ionic-liquid phase catalyst with a dual-mesoporous structure derived from poly(ionic liquids) and P123. New Journal of Chemistry, 2019, 43, 2899-2907.	1.4	2
15	Stable poly (ionic liquids) with unique crossâ€linked mesoporousâ€macroporous structure as efficient catalyst for alkylation of o â€xylene and styrene. Applied Organometallic Chemistry, 2019, 33, e4979.	1.7	9
16	Functional mesoporous poly (ionic liquid) derived from P123: From synthesis to catalysis and alkylation of styrene and oâ€xylene. Applied Organometallic Chemistry, 2019, 33, e4719.	1.7	2
17	Hierarchical TiO 2 nanosheetâ€assembled nanotubes with dual electron sink functional sites for efficient photocatalytic degradation of rhodamine B. Applied Organometallic Chemistry, 2018, 32, e4204.	1.7	3
18	Novel synthesis of Fe 2 O 3 â€“Pt ellipsoids coated by doubleâ€shelled La 2 O 3 as a catalyst for the reduction of 4â€nitrophenol. Applied Organometallic Chemistry, 2018, 32, e4208.	1.7	5

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19	Fabrication and characterization of doubleâ€shelled CeO₂â€La₂O₃/Au/Fe₃O₄ hollow architecture as a recyclable and highly thermal stability nanocatalyst. Applied Organometallic Chemistry, 2018, 32, e4201.	1.7	1
20	Morphology-controlled fabrication of biomorphic alumina-based hierarchical LDH compounds for propane dehydrogenation reaction. New Journal of Chemistry, 2018, 42, 103-110.	1.4	8
21	A novel thermal exfoliation strategy for the fabrication of high-quality Ag/TiO₂ nanosnowman nanoparticles with enhanced photocatalytic properties. New Journal of Chemistry, 2018, 42, 6168-6174.	1.4	3
22	The investigation of Ag decorated doubleâ€wall hollow TiO₂ spheres as photocatalyst. Applied Organometallic Chemistry, 2018, 32, e4160.	1.7	9
23	MPEC-IMI as an effective green inhibitor to protect Q235 steel in 0.5ÂM HCl medium. Research on Chemical Intermediates, 2018, 44, 5833-5855.	1.3	4
24	Hierarchical Honeycomb Br-, N-Codoped TiO₂ with Enhanced Visible-Light Photocatalytic H₂ Production. ACS Applied Materials & Interfaces, 2018, 10, 18796-18804.	4.0	58
25	The Catalytic Performance Study of Chloroaluminate Ionic Liquids on Long-Chain Alkenes Alkylation. Energy & Fuels, 2018, 32, 9763-9771.	2.5	12
26	Synthesis and characterization of hollow ZrO2â€“TiO2/Au spheres as a highly thermal stability nanocatalyst. Journal of Colloid and Interface Science, 2017, 497, 23-32.	5.0	31
27	Fabrication of Ellipsoidal Silica Yolkâ€“Shell Magnetic Structures with Extremely Stable Au Nanoparticles as Highly Reactive and Recoverable Catalysts. Langmuir, 2017, 33, 2698-2708.	1.6	20
28	Doubleâ€Shelled TiO₂ Hollow Spheres Assembled with TiO₂ Nanosheets. Chemistry - A European Journal, 2017, 23, 4336-4343.	1.7	28
29	Synthesis of ordered mesoporous La 2 O 3 -ZrO 2 composites with encapsulated Pt NPs and the effect of La-dopping on catalytic activity. Journal of Colloid and Interface Science, 2017, 503, 178-185.	5.0	37
30	Reactable Polyelectrolyte-Assisted Synthesis of BiOCl with Enhanced Photocatalytic Activity. ACS Sustainable Chemistry and Engineering, 2017, 5, 1416-1424.	3.2	102
31	Protic ionic liquid triggered self-assembly structural transition of CTAB for inducing silica spheres with radially oriented mesochannels. Journal of Porous Materials, 2017, 24, 899-904.	1.3	1
32	Preparation of TiO₂â€“ZrO₂/Au/CeO₂ hollow sandwich-like nanostructures for excellent catalytic activity and thermal stability. New Journal of Chemistry, 2017, 41, 13472-13482.	1.4	16
33	In-situ formation of supported Au nanoparticles in hierarchical yolk-shell CeO 2 /mSiO 2 structures as highly reactive and sinter-resistant catalysts. Journal of Colloid and Interface Science, 2017, 488, 196-206.	5.0	30
34	Zirconium incorporated micro/mesoporous silica solid acid catalysts for alkylation of o-xylene with styrene. Journal of Porous Materials, 2017, 24, 109-120.	1.3	7
35	In situ doping of Pt active sites via Sn in double-shelled TiO₂ hollow nanospheres with enhanced photocatalytic H₂ production efficiency. New Journal of Chemistry, 2017, 41, 11089-11096.	1.4	24
36	Ultrasonic/microwave synergistic synthesis of well-dispersed hierarchical zeolite Y with improved alkylation catalytic activity. Korean Journal of Chemical Engineering, 2016, 33, 1931-1937.	1.2	9

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37	Design of microâ€“mesoporous zeolite catalysts for alkylation. RSC Advances, 2016, 6, 50630-50639.	1.7	18
38	Dispersed gold nanoparticles supported in the pores of flower-like macrocellular siliceous foams based on an ionic liquid as catalysts for reduction. RSC Advances, 2016, 6, 48757-48766.	1.7	6
39	Self-assembly structural transition of protic ionic liquids and P123 for inducing hierarchical porous materials. RSC Advances, 2016, 6, 35076-35085.	1.7	7
40	One-step synthesis of hierarchical aluminosilicates using alkoxy-functionalized ionic liquid as a novel template. New Journal of Chemistry, 2016, 40, 6036-6045.	1.4	4
41	Self-assembly of hollow spherical nanocatalysts with encapsulated Pt NPs and the effect of Ce-dipping on catalytic activity. RSC Advances, 2016, 6, 70303-70310.	1.7	9
42	Preparation of platinum nanoparticles immobilized on ordered mesoporous Co₃O₄â€“CeO₂ composites and their enhanced catalytic activity. RSC Advances, 2016, 6, 67173-67183.	1.7	15
43	Propane dehydrogenation over Ce-containing ZSM-5 supported platinumâ€“tin catalysts: Ce concentration effect and reaction performance analysis. RSC Advances, 2016, 6, 29410-29422.	1.7	31
44	Nanocasting synthesis of an ordered mesoporous CeO₂-supported Pt nanocatalyst with enhanced catalytic performance for the reduction of 4-nitrophenol. RSC Advances, 2016, 6, 730-739.	1.7	31
45	The synthesis of new cokeâ€resistant support and its application in propane dehydrogenation to propene. Journal of Chemical Technology and Biotechnology, 2016, 91, 1072-1081.	1.6	15
46	Enhanced catalytic activity with high thermal stability based on multiple Au cores in the interior of mesoporous Siâ€“Al shells. RSC Advances, 2015, 5, 48187-48193.	1.7	18
47	A highly reactive and magnetic recyclable catalytic system based on AuPt nanoalloys supported on ellipsoidal Fe@SiO₂. Journal of Materials Chemistry A, 2015, 3, 4642-4651.	5.2	58
48	Hydrothermal synthesis of ZnO@polysiloxane microspheres and their application in preparing optical diffusers. RSC Advances, 2015, 5, 17064-17069.	1.7	19
49	Preparation, characterization and application of soluble TiO2@SiO2 nanospheres by a simple modified solâ€“gel procedure. Journal of Sol-Gel Science and Technology, 2015, 74, 181-186.	1.1	6
50	Optical diffusers with enhanced properties based on novel polysiloxane@CeO₂@PMMA fillers. Journal of Materials Chemistry C, 2015, 3, 2223-2230.	2.7	47
51	Influence of pseudo-boehmite binder modified dealuminated mordenite on Friedelâ€“Crafts alkylation. Journal of Porous Materials, 2015, 22, 179-185.	1.3	5
52	Catalytic structure and reaction performance of PtSnK/ZSM-5 catalyst for propane dehydrogenation: influence of impregnation strategy. Journal of Materials Science, 2015, 50, 6457-6468.	1.7	22
53	Synthesis of a hierarchical SiO₂/Au/CeO₂ rod-like nanostructure for high catalytic activity and recyclability. RSC Advances, 2015, 5, 34549-34556.	1.7	16
54	Synergic effects of a protic ionic liquid on P123 mixed micelles for inducing hierarchical porous materials. RSC Advances, 2015, 5, 53267-53274.	1.7	6

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55	CeO₂ hollow nanospheres synthesized by a one pot template-free hydrothermal method and their application as catalyst support. RSC Advances, 2015, 5, 58237-58245.	1.7	23
56	Synthesis of Ce-doped mesoporous Î³-alumina with enhanced catalytic performance for propane dehydrogenation. Journal of Materials Science, 2015, 50, 3984-3993.	1.7	19
57	Synthesis of micro/mesoporous silica material by dual-template method as a heterogeneous catalyst support for alkylation. RSC Advances, 2015, 5, 28124-28132.	1.7	18
58	Hierarchical structures based on gold nanoparticles embedded into hollow ceria spheres and mesoporous silica layers with high catalytic activity and stability. New Journal of Chemistry, 2015, 39, 9372-9379.	1.4	25
59	Synthesis of dendrimer-templated Pt nanoparticles immobilized on mesoporous alumina for p-nitrophenol reduction. New Journal of Chemistry, 2015, 39, 9942-9950.	1.4	27
60	Facile one-step synthesis of micro/mesoporous material with ordered bimodal mesopores templated by protic ionic liquid as a heterogeneous catalyst support for alkylation. Journal of Porous Materials, 2015, 22, 1407-1416.	1.3	13
61	Ultrasound-assisted synthesis of nanosized hierarchical ZSM-5 and its catalytic performance as the support for heteropolyacid. Journal of Porous Materials, 2014, 21, 241-249.	1.3	10
62	Synthesis of coreâ€“shell-structured SBA-15@MgAl2O4 with enhanced catalytic performance of propane dehydrogenation. Journal of Materials Science, 2014, 49, 1170-1178.	1.7	8
63	Comparative study of bimetallic Pt-Sn catalysts supported on different supports for propane dehydrogenation. Journal of Molecular Catalysis A, 2014, 381, 138-147.	4.8	130
64	Preparation and Characterization of Polysiloxane@CeO2@PMMA Hybrid Nano/Microspheres via In Situ One-Pot Process. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 1086-1091.	1.9	7
65	Anisotropic growth of SiO2and TiO2mixed oxides onto Au nanostructures: highly thermal stability and enhanced reaction activity. RSC Advances, 2014, 4, 40078-40084.	1.7	11
66	Encapsulation of Au nanoparticles with well-crystallized anatase TiO2 mesoporous hollow spheres for increased thermal stability. RSC Advances, 2014, 4, 7313.	1.7	29
67	Preparation and Characterization of Optically Active Polyacetylene@CdTe Quantum Dots Composites with Low Infrared Emissivity. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 591-599.	1.9	4
68	Synthesis and characterization of carbon nanotubes supported Au nanoparticles encapsulated in various oxide shells. RSC Advances, 2014, 4, 51334-51341.	1.7	17
69	Synthesis of immobilized heteropolyanion-based ionic liquids on mesoporous silica SBA-15 as a heterogeneous catalyst for alkylation. RSC Advances, 2014, 4, 30697-30703.	1.7	27
70	Highly Active and Green Aminopropyl-Immobilized Phosphotungstic Acid on Mesoporous LaSBA-15 for Alkylation of O-xylene with Styrene. Catalysis Letters, 2012, 142, 360-367.	1.4	11
71	Influence of the Competitive Adsorbates on the Catalytic Properties of PtSnNaMg/ZSM-5 Catalysts for Propane Dehydrogenation. Industrial & Engineering Chemistry Research, 2011, 50, 4345-4350.	1.8	15
72	Effect of different lanthanum source and preparation method on the lanthanum-doped mesoporous SBA-15 synthesis. Journal of Porous Materials, 2011, 18, 677-683.	1.3	13

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73	Effect of Sodium Addition to PtSn/AlSBA-15 on the Catalytic Properties in Propane Dehydrogenation. Catalysis Letters, 2011, 141, 120-127.	1.4	53