

Hongping Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166
papers

5,038
citations

40
h-index

64
g-index

183
ext. papers

6,659
ext. citations

6.5
avg, IF

6.15
L-index

#	Paper	IF	Citations
166	Synthesis of task-specific ternary deep eutectic solvents for deep desulfurization via reactive extraction. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022 , 171, 108754	3.7	0
165	Nitrogen transfer mechanism research on the co- pyrolysis macroalgae with polyethylene. <i>Sustainable Energy Technologies and Assessments</i> , 2022 , 51, 101886	4.7	2
164	Synthesis and characterization of hypergolic salts based on bis(1H-1,2,3-triazole-1-yl) dihydroborate anion. <i>Journal of Molecular Structure</i> , 2022 , 1261, 132850	3.4	0
163	Adsorption modeling, thermodynamics, and DFT simulation of tetracycline onto mesoporous and high-surface-area NaOH-activated macroalgae carbon.. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127887	12.8	17
162	Synthesis of asymmetric [bis(imidazolyl)-BH]-cation-based ionic liquids as potential rocket fuels.. <i>RSC Advances</i> , 2021 , 11, 38040-38046	3.7	1
161	Biocrude Production from Hydrothermal Liquefaction of Chlorella: Thermodynamic Modelling and Reactor Design. <i>Energies</i> , 2021 , 14, 6602	3.1	0
160	Unraveling the effects of O-doping into h-BN on the adsorptive desulfurization performance by DFT calculations. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106463	6.8	3
159	One-step preparation of carbon fiber-ZrO ₂ hybrid and its enhancement on the wear-resistant properties of polyimide. <i>Polymer Composites</i> , 2021 , 42, 2598-2607	3	3
158	Efficient and remarkable SO ₂ capture: A discovery of imidazole-based ternary deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021 , 330, 115595	6	8
157	One-Pot Multiple-Step Integration Strategy for Efficient Fixation of CO ₂ into Chain Carbonates by Azolide Anions Poly(ionic liquid)s. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 7074-7085	8.3	9
156	Co-cultivation of Streptomyces and microalgal cells as an efficient system for biodiesel production and bioflocculation formation. <i>Bioresource Technology</i> , 2021 , 332, 125118	11	14
155	Experimental investigation of high alcohol low viscous renewable fuel in DI diesel engine. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 12026-12040	5.1	15
154	Catalytic co-pyrolysis of seaweeds and cellulose using mixed ZSM-5 and MCM-41 for enhanced crude bio-oil production. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 827-842	4.1	15
153	Theoretical prediction of the SO absorption by hollow silica based porous ionic liquids. <i>Journal of Molecular Graphics and Modelling</i> , 2021 , 103, 107788	2.8	9
152	Dual-active-sites design of CoNx anchored on zinc-coordinated nitrogen-codoped porous carbon with efficient oxygen catalysis for high-stable rechargeable zinc-air batteries. <i>Chemical Engineering Journal</i> , 2021 , 408, 127321	14.7	17
151	Hierarchical porous boron nitride with boron vacancies for improved adsorption performance to antibiotics. <i>Journal of Colloid and Interface Science</i> , 2021 , 584, 154-163	9.3	24
150	Seaweed-derived biochar with multiple active sites as a heterogeneous catalyst for converting macroalgae into acid-free biooil containing abundant ester and sugar substances. <i>Fuel</i> , 2021 , 285, 119164	7.1	52

149	Defect Engineering on Boron Nitride for O Activation and Subsequent Oxidative Desulfurization. <i>ChemPhysChem</i> , 2021 , 22, 168-177	3.2	1
148	Study on two-step hydrothermal liquefaction of macroalgae for improving bio-oil. <i>Bioresource Technology</i> , 2021 , 319, 124176	11	38
147	Accurate engineering of hexagonal hollow carbon nitride with carbon vacancies: enhanced photocatalytic H ₂ evolution and its mechanism. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20664-20675	13	10
146	Engineering a tandem leaching system for the highly selective recycling of valuable metals from spent Li-ion batteries. <i>Green Chemistry</i> , 2021 , 23, 2177-2184	10	21
145	Efficient fixation of CO ₂ into carbonates by tertiary N-functionalized poly(ionic liquids): Experimental-theoretical investigation. <i>Journal of CO₂ Utilization</i> , 2021 , 44, 101427	7.6	8
144	Insight into the Mechanism of Glycerol Dehydration and Subsequent Pyridine Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3095-3103	8.3	6
143	Engineering Highly Dispersed Pt Species by Defects for Boosting the Reactive Desulfurization Performance. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 2828-2837	3.9	4
142	3D Bimodal Porous Amorphous Carbon with Self-Similar Porosity by Low-Temperature Sequential Chemical Dealloying. <i>Chemistry of Materials</i> , 2021 , 33, 1013-1021	9.6	3
141	Cross-linked FeCl ₃ -activated seaweed carbon/MCM-41/alginate hydrogel composite for effective biosorption of bisphenol A plasticizer and basic dye from aqueous solution. <i>Bioresource Technology</i> , 2021 , 331, 125046	11	18
140	Hydrogen rich syngas production from sorption enhanced gasification of cellulose in the presence of calcium oxide. <i>Energy</i> , 2021 , 228, 120659	7.9	7
139	Extractive desulfurization of diesel fuel by amide-based type IV deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021 , 338, 116620	6	5
138	Theoretical Insights into CO ₂ /N ₂ Selectivity of the Porous Ionic Liquids Constructed by Ion-Dipole Interactions. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117676	6	3
137	Comparative study of halogen-doped (X Cl, Br, I) hexagonal boron nitride: A promising strategy to enhance the capacity of adsorptive desulfurization. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105886	6.8	2
136	Coke formation during rapid quenching of volatile vapors from fast pyrolysis of cellulose. <i>Fuel</i> , 2021 , 306, 121658	7.1	4
135	Facile Construction of Magnetic Ionic Liquid Supported Silica for Aerobic Oxidative Desulfurization in Fuel. <i>Catalysts</i> , 2021 , 11, 1496	4	
134	Transformation of Nitrogen during Microalgae Liquefaction in Subcritical/Supercritical Ethanol. <i>Energy & Fuels</i> , 2020 , 34, 14182-14189	4.1	1
133	Enhancement on the tribological properties of poly(phthalazinone ether sulfone ketone) by carbon nanotube-supported graphitic carbon nitride hybrid. <i>Polymer Composites</i> , 2020 , 41, 3768-3777	3	4
132	Cu Nanoclusters/FeN Amorphous Composites with Dual Active Sites in N-Doped Graphene for High-Performance Zn-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 31340-31350	9.5	42

131	Entropy, Entransy and Exergy Analysis of a Dual-Loop Organic Rankine Cycle (DORC) Using Mixture Working Fluids for Engine Waste Heat Recovery. <i>Energies</i> , 2020 , 13, 1301	3.1	7
130	Ferrimagnetic semiconductor with a direct bandgap. <i>Applied Physics Letters</i> , 2020 , 116, 122401	3.4	4
129	Ammonium Nitrate-Assisted Low-Temperature Synthesis of Co, Co ₂ P@CoP Embedded in Biomass-Derived Carbons as Efficient Electrocatalysts for Hydrogen and Oxygen Evolution Reaction. <i>ChemistrySelect</i> , 2020 , 5, 7338-7346	1.8	6
128	Synthesis of boron nitride nanosheets with N-defects for efficient tetracycline antibiotics adsorptive removal. <i>Chemical Engineering Journal</i> , 2020 , 387, 124138	14.7	40
127	Atomic-Layered V ₂ O ₅ Nanosheets Obtained via Fast Gas-Driven Exfoliation for Superior Aerobic Oxidative Desulfurization. <i>Energy & Fuels</i> , 2020 , 34, 2612-2616	4.1	17
126	Boron and Nitride Dual vacancies on Metal-Free Oxygen Doping Boron Nitride as Initiating Sites for Deep Aerobic Oxidative Desulfurization. <i>ChemCatChem</i> , 2020 , 12, 1734-1742	5.2	19
125	A 3D nitrogen-doped graphene aerogel for enhanced visible-light photocatalytic pollutant degradation and hydrogen evolution.. <i>RSC Advances</i> , 2020 , 10, 12423-12431	3.7	7
124	Tuning the electrophilicity of vanadium-substituted polyoxometalate based ionic liquids for high-efficiency aerobic oxidative desulfurization. <i>Applied Catalysis B: Environmental</i> , 2020 , 271, 118936	21.8	66
123	Synergistic effect of dual Brønsted acidic deep eutectic solvents for oxidative desulfurization of diesel fuel. <i>Chemical Engineering Journal</i> , 2020 , 394, 124831	14.7	58
122	Preparation of Biscuit-Like SO ₄ /ZrO ₂ Catalyst for Alkylation of -Xylene with Styrene. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 3496-3503	1.3	0
121	Changes in Biochar Functional Groups and Its Reactivity after Volatile Char Interactions during Biomass Pyrolysis. <i>Energy & Fuels</i> , 2020 , 34, 14291-14299	4.1	11
120	Unraveling the mechanism of CO capture and separation by porous liquids.. <i>RSC Advances</i> , 2020 , 10, 42706-42717	9.7	47
119	Fluorine-Substituted Benzotriazole Core Building Block-Based Highly Efficient Hole-Transporting Materials for Mesoporous Perovskite Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 1900362	7.1	8
118	Experimental investigation on pumpkin seed oil methyl ester blend in diesel engine with various injection pressure, injection timing and compression ratio. <i>Fuel</i> , 2020 , 264, 116868	7.1	72
117	Tailoring Electronic Properties of Porphyrin Manganese on Boron Nitride for Enhancing Aerobic Oxidative Desulfurization at Room Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 1015-1022	8.3	16
116	Sustainable biomass production under CO ₂ conditions and effective wet microalgae lipid extraction for biodiesel production. <i>Journal of Cleaner Production</i> , 2020 , 247, 119398	10.3	63
115	Impact of yttria stabilized zirconia coating on diesel engine performance and emission characteristics fuelled by lemon grass oil biofuel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 1	4.1	7
114	Benzo[1,2-c:4,5-c']dithiophene-4,8-dione (BDD) Core Building Block Based Dopant-Free Hole-Transport Materials for Efficient and Stable Perovskite Solar Cell. <i>ACS Applied Energy Materials</i> , 2020 , 3, 10333-10339	6.1	3

113	Study on the co-operative effect of kitchen wastewater for harvest and enhanced pyrolysis of microalgae. <i>Bioresource Technology</i> , 2020 , 317, 123983	11	21
112	The interaction nature between hollow silica-based porous ionic liquids and CO: A DFT study. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 100, 107694	2.8	9
111	A state-of-the-art review on dual purpose seaweeds utilization for wastewater treatment and crude bio-oil production. <i>Energy Conversion and Management</i> , 2020 , 222, 113253	10.6	82
110	Rational design of the carbon doping of hexagonal boron nitride for oxygen activation and oxidative desulfurization. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 24310-24319	3.6	2
109	Theoretical prediction of F-doped hexagonal boron nitride: A promising strategy to enhance the capacity of adsorptive desulfurization. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 101, 107715	2.8	4
108	A half-metallic ferrimagnet of CeCu ₃ Cr ₄ O ₁₂ with 4f itinerant electron. <i>Applied Physics Letters</i> , 2020 , 117, 132404	3.4	1
107	Metal Nanoparticles Confined within an Inorganic-Organic Framework Enable Superior Substrate-Selective Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42739-42748	9.5	8
106	Cyclic Compound Formation Mechanisms during Pyrolysis of Typical Aliphatic Acidic Amino Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 16968-16978	8.3	6
105	Co-pyrolysis of seaweeds with waste plastics: modeling and simulation of effects of co-pyrolysis parameters on yields, and optimization studies for maximum yield of enhanced biofuels. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020 , 42, 954-978	1.6	13
104	The electronic structure and physicochemical property of boron nitridene. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 94, 107475	2.8	1
103	Lattice-Refined Transition-Metal Oxides via Ball Milling for Boosted Catalytic Oxidation Performance. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36666-36675	9.5	18
102	Metal-Oxide-Mediated Subtractive Manufacturing of Two-Dimensional Carbon Nitride for High-Efficiency and High-Yield Photocatalytic H ₂ Evolution. <i>ACS Nano</i> , 2019 , 13, 11294-11302	16.7	66
101	Rational design of the nonlinear optical materials dinaphtho[2,3-b:2',3'-d]thiophene-5,7,12,13-tetraone (DNTTRA) and its phenyldiazanyl derivatives using first-principles calculations. <i>Journal of Computational Electronics</i> , 2019 , 18, 6-15	1.8	3
100	Unraveling the effect of B-site antisite defects on the electronic and magnetic properties of the quadruple perovskite CaCuFeNbO. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 3059-3065	3.6	3
99	Sonochemical assisted fabrication of 3D hierarchical porous carbon for high-performance symmetric supercapacitor. <i>Ultrasonics Sonochemistry</i> , 2019 , 58, 104617	8.9	15
98	Single-Atom Coated Separator for Robust Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 25147-25154	9.5	95
97	Boric acid-based ternary deep eutectic solvent for extraction and oxidative desulfurization of diesel fuel. <i>Green Chemistry</i> , 2019 , 21, 3074-3080	10	87
96	Night illumination using monochromatic light-emitting diodes for enhanced microalgal growth and biodiesel production. <i>Bioresource Technology</i> , 2019 , 288, 121514	11	39

95	Few-Layer Boron Nitride with Engineered Nitrogen Vacancies for Promoting Conversion of Polysulfide as a Cathode Matrix for Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , 2019 , 25, 8112-8117	4.8	27
94	Microalgae harvest influences the energy recovery: A case study on chemical flocculation of <i>Scenedesmus obliquus</i> for biodiesel and crude bio-oil production. <i>Bioresource Technology</i> , 2019 , 286, 121371	11	68
93	Highly efficient phenothiazine 5,5-dioxide-based hole transport materials for planar perovskite solar cells with a PCE exceeding 20%. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9510-9516	13	46
92	Ammonium Nitrate-Assisted Synthesis of Nitrogen/Sulfur-Codoped Hierarchically Porous Carbons Derived from Ginkgo Leaf for Supercapacitors. <i>ACS Omega</i> , 2019 , 4, 5904-5914	3.9	17
91	Sn-based deep eutectic solvents assisted synthesis of Sn and SnO ₂ supported hexagonal boron nitrides for adsorptive desulfurization. <i>Chemical Engineering Research and Design</i> , 2019 , 144, 11-18	5.5	13
90	Co-pyrolysis and catalytic co-pyrolysis of Enteromorpha clathrata and rice husk. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 2613-2623	4.1	17
89	Polyoxometalate-Based Poly(ionic liquid) as a Precursor for Superhydrophobic Magnetic Carbon Composite Catalysts toward Aerobic Oxidative Desulfurization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 15755-15761	8.3	40
88	Influence of torrefaction pretreatment on the pyrolysis characteristics of seaweed biomass. <i>Cellulose</i> , 2019 , 26, 8475-8487	5.5	9
87	Molybdenum-containing dendritic mesoporous silica spheres for fast oxidative desulfurization in fuel. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 451-458	6.8	39
86	Effect of cosolvent and addition of catalyst (HZSM-5) on hydrothermal liquefaction of macroalgae. <i>International Journal of Energy Research</i> , 2019 , 43, 8841	4.5	7
85	The mechanism of thiophene oxidation on metal-free two-dimensional hexagonal boron nitride. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 21867-21874	3.6	16
84	Immobilizing Highly Catalytically Molybdenum Oxide Nanoparticles on Graphene-Analogous BN: Stable Heterogeneous Catalysts with Enhanced Aerobic Oxidative Desulfurization Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 863-871	3.9	37
83	O ₂ Activation and Oxidative Dehydrogenation of Propane on Hexagonal Boron Nitride: Mechanism Revisited. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 2256-2266	3.8	25
82	Co-pyrolysis of macroalgae and lignocellulosic biomass. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 136, 2001-2016	4.1	26
81	A comparative study of the extractive desulfurization mechanism by Cu(II) and Zn-based imidazolium ionic liquids. <i>Green Energy and Environment</i> , 2019 , 4, 38-48	5.7	31
80	Silver Nanoparticle-Decorated Boron Nitride with Tunable Electronic Properties for Enhancement of Adsorption Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4948-4957	8.3	48
79	Advanced Overlap Adsorption Model of Few-Layer Boron Nitride for Aromatic Organic Pollutants. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 4045-4051	3.9	19
78	Comparative Study of Combustion Properties of Two Seaweeds in a Batch Fluidized Bed. <i>Combustion Science and Technology</i> , 2018 , 190, 755-769	1.5	4

77	A comparative study on the quality of bio-oil derived from green macroalga <i>Enteromorpha clathrata</i> over metal modified ZSM-5 catalysts. <i>Bioresource Technology</i> , 2018 , 256, 446-455	11	38
76	SBA-15 supported molybdenum oxide towards efficient catalytic oxidative desulfurization: effect of calcination temperature of catalysts. <i>Journal of the Chinese Advanced Materials Society</i> , 2018 , 6, 44-54		3
75	An accurate empirical method to predict the adsorption strength for orbital contained molecules on two dimensional materials. <i>Journal of Molecular Graphics and Modelling</i> , 2018 , 82, 93-100	2.8	15
74	Study on the interaction effect of seaweed bio-coke and rice husk volatiles during co-pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 132, 111-122	6	28
73	Superparamagnetic Mo-containing core-shell microspheres for catalytic oxidative desulfurization of fuel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 537, 243-249	5.1	21
72	HO decomposition mechanism and its oxidative desulfurization activity on hexagonal boron nitride monolayer: A density functional theory study. <i>Journal of Molecular Graphics and Modelling</i> , 2018 , 84, 166-173	2.8	10
71	Ionic liquid-supported 3DOM silica for efficient heterogeneous oxidative desulfurization. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 2478-2485	6.8	24
70	Synthesis of WO ₃ /mesoporous ZrO ₂ catalyst as a high-efficiency catalyst for catalytic oxidation of dibenzothiophene in diesel. <i>Journal of Materials Science</i> , 2018 , 53, 15927-15938	4.3	26
69	Taming electronic properties of boron nitride nanosheets as metal-free catalysts for aerobic oxidative desulfurization of fuels. <i>Green Chemistry</i> , 2018 , 20, 4453-4460	10	79
68	Effect of lipid-free microalgal biomass and waste glycerol on growth and lipid production of <i>Scenedesmus obliquus</i> : Innovative waste recycling for extraordinary lipid production. <i>Bioresource Technology</i> , 2018 , 249, 992-999	11	71
67	Entropy and Entropy Dissipation Analysis of a Basic Organic Rankine Cycles (ORCs) to Recover Low-Grade Waste Heat Using Mixture Working Fluids. <i>Entropy</i> , 2018 , 20,	2.8	6
66	Polyoxometalate-based silica-supported ionic liquids for heterogeneous oxidative desulfurization in fuels. <i>Petroleum Science</i> , 2018 , 15, 882-889	4.4	6
65	Highly Efficient Phenoxazine Core Unit Based Hole Transport Materials for Hysteresis-Free Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36608-36614	9.5	31
64	Amorphous TiO ₂ -supported Keggin-type ionic liquid catalyst catalytic oxidation of dibenzothiophene in diesel. <i>Petroleum Science</i> , 2018 , 15, 870-881	4.4	13
63	Co-pyrolysis mechanism of seaweed polysaccharides and cellulose based on macroscopic experiments and molecular simulations. <i>Bioresource Technology</i> , 2017 , 228, 305-314	11	35
62	An in situ photoelectroreduction approach to fabricate Bi/BiOCl heterostructure photocathodes: understanding the role of Bi metal for solar water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4894-4903	13	81
61	One-Pot Extraction and Oxidative Desulfurization of Fuels with Molecular Oxygen in Low-Cost Metal-Based Ionic Liquids. <i>Energy & Fuels</i> , 2017 , 31, 1376-1382	4.1	26
60	Study of pyrolytic mechanisms of seaweed based on different components (soluble polysaccharides, proteins, and ash). <i>Journal of Renewable and Sustainable Energy</i> , 2017 , 9, 023102	2.5	10

59	Reversible Formation of g-C ₃ N ₄ 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas-Sensing Properties. <i>Advanced Functional Materials</i> , 2017 , 27, 1700653	15.6	59
58	Hydrogels: Reversible Formation of g-C ₃ N ₄ 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas-Sensing Properties (Adv. Funct. Mater. 22/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	1
57	Synthesis of mesoporous WO ₃ /TiO ₂ catalyst and its excellent catalytic performance for the oxidation of dibenzothiophene. <i>New Journal of Chemistry</i> , 2017 , 41, 569-578	3.6	51
56	Tailoring N-Terminated Defective Edges of Porous Boron Nitride for Enhanced Aerobic Catalysis. <i>Small</i> , 2017 , 13, 1701857	11	48
55	Tuning the Chemical Hardness of Boron Nitride Nanosheets by Doping Carbon for Enhanced Adsorption Capacity. <i>ACS Omega</i> , 2017 , 2, 5385-5394	3.9	58
54	Magnetic POM-based mesoporous silica for fast oxidation of aromatic sulfur compounds. <i>Fuel</i> , 2017 , 209, 545-551	7.1	41
53	One-pot extraction and aerobic oxidative desulfurization with highly dispersed V ₂ O ₅ /SBA-15 catalyst in ionic liquids. <i>RSC Advances</i> , 2017 , 7, 39383-39390	3.7	32
52	Tuning electronic properties of boron nitride nanoplate via doping carbon for enhanced adsorptive performance. <i>Journal of Colloid and Interface Science</i> , 2017 , 508, 121-128	9.3	31
51	Taming Interfacial Oxygen Vacancies of Amphiphilic Tungsten Oxide for Enhanced Catalysis in Oxidative Desulfurization. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 8930-8938	8.3	55
50	Designing multifunctional SO ₃ H-based polyoxometalate catalysts for oxidative desulfurization in acid deep eutectic solvents. <i>RSC Advances</i> , 2017 , 7, 55318-55325	3.7	23
49	Mechanism research on the pyrolysis of seaweed polysaccharides by Py-GC/MS and subsequent density functional theory studies. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 126, 118-131	6	26
48	Effect of operating conditions on direct liquefaction of low-lipid microalgae in ethanol-water co-solvent for bio-oil production. <i>Energy Conversion and Management</i> , 2017 , 141, 155-162	10.6	64
47	Preparation of silver/silver bromide/titanium dioxide/graphene oxide nanocomposite for photocatalytic degradation of 4-chlorophenol. <i>Nanomaterials and Nanotechnology</i> , 2017 , 7, 184798041772404	2.9	6
46	Synthesis of Ionic-Liquid-Based Deep Eutectic Solvents for Extractive Desulfurization of Fuel. <i>Energy & Fuels</i> , 2016 , 30, 8164-8170	4.1	62
45	Oxidative desulfurization of fuels promoted by choline chloride-based deep eutectic solvents. <i>Journal of Molecular Catalysis A</i> , 2016 , 424, 261-268		47
44	Controlled Gas Exfoliation of Boron Nitride into Few-Layered Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10766-70	16.4	201
43	Controlled Gas Exfoliation of Boron Nitride into Few-Layered Nanosheets. <i>Angewandte Chemie</i> , 2016 , 128, 10924-10928	3.6	32
42	Fabrication and characterization of tungsten-containing mesoporous silica for heterogeneous oxidative desulfurization. <i>Chinese Journal of Catalysis</i> , 2016 , 37, 971-978	11.3	23

41	Vibrational analysis and formation mechanism of typical deep eutectic solvents: An experimental and theoretical study. <i>Journal of Molecular Graphics and Modelling</i> , 2016 , 68, 158-175	2.8	60
40	Thermal decomposition mechanism of emulsion explosives with phosphatide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 124, 1053-1062	4.1	7
39	Copper nanoparticles advance electron mobility of graphene-like boron nitride for enhanced aerobic oxidative desulfurization. <i>Chemical Engineering Journal</i> , 2016 , 301, 123-131	14.7	88
38	The selectivity for sulfur removal from oils: An insight from conceptual density functional theory. <i>AIChE Journal</i> , 2016 , 62, 2087-2100	3.6	144
37	Fiber hybrid polyimide-based composites reinforced with carbon fiber and poly-p-phenylene benzobisthiazole fiber: Tribological behaviors under sea water lubrication. <i>Polymer Composites</i> , 2016 , 37, 1650-1658	3	7
36	Novel visible-light-driven Fe ₂ O ₃ /Ag ₃ VO ₄ composite with enhanced photocatalytic activity toward organic pollutants degradation. <i>RSC Advances</i> , 2016 , 6, 3600-3607	3.7	26
35	Research on the influence of alkyl ammonium bromides on the properties of Ag/AgBr/GO composites. <i>New Journal of Chemistry</i> , 2016 , 40, 1323-1329	3.6	5
34	Study on Pore Structure of Seaweed Particles After Combustion. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2016 , 138,	2.6	3
33	A simple and cost-effective extractive desulfurization process with novel deep eutectic solvents. <i>RSC Advances</i> , 2016 , 6, 30345-30352	3.7	38
32	Synthesis of supported SiW ₁₂ O ₄₀ -based ionic liquid catalyst induced solvent-free oxidative deep-desulfurization of fuels. <i>Chemical Engineering Journal</i> , 2016 , 288, 608-617	14.7	104
31	Controllable synthesis of graphene oxide/silver (gold) nanocomposites and their size-dependencies. <i>RSC Advances</i> , 2016 , 6, 70468-70473	3.7	3
30	Hexacyanoferrate-based ionic liquids as Fenton-like catalysts for deep oxidative desulfurization of fuels. <i>Applied Organometallic Chemistry</i> , 2016 , 30, 753-758	3.1	11
29	Facile fabrication of molybdenum-containing ordered mesoporous silica induced deep desulfurization in fuel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 504, 174-181	5.1	21
28	TGA/TIRMS analysis of the pyrolysis of blended seaweed and rice husk. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 1689-1702	4.1	26
27	Controllable synthesis of Bi ₄ O ₅ Br ₂ ultrathin nanosheets for photocatalytic removal of ciprofloxacin and mechanism insight. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15108-15118	13	167
26	A DFT study of the extractive desulfurization mechanism by [BMIM](+)[AlCl ₄](-) ionic liquid. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 5995-6009	3.4	69
25	Theoretical investigation of the interaction between aromatic sulfur compounds and [BMIM](+)[FeCl ₄](-) ionic liquid in desulfurization: A novel charge transfer mechanism. <i>Journal of Molecular Graphics and Modelling</i> , 2015 , 59, 40-9	2.8	26
24	Preparation of magnetic Ag/AgCl/CoFe ₂ O ₄ composites with high photocatalytic and antibacterial ability. <i>RSC Advances</i> , 2015 , 5, 41475-41483	3.7	29

23	Supported ionic liquid [Bmim]FeCl ₄ /Am TiO ₂ as an efficient catalyst for the catalytic oxidative desulfurization of fuels. <i>RSC Advances</i> , 2015 , 5, 43528-43536	3.7	40
22	Theoretical evidence of charge transfer interaction between SO ₂ and deep eutectic solvents formed by choline chloride and glycerol. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 28729-42	3.6	61
21	One-pot synthesis of ordered mesoporous silica encapsulated polyoxometalate-based ionic liquids induced efficient desulfurization of organosulfur in fuel. <i>RSC Advances</i> , 2015 , 5, 76048-76056	3.7	18
20	Graphene-Analogue Hexagonal BN Supported with Tungsten-based Ionic Liquid for Oxidative Desulfurization of Fuels. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 186-194	8.3	144
19	Carbon-doped porous boron nitride: metal-free adsorbents for sulfur removal from fuels. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12738-12747	13	104
18	Facile synthesis of amphiphilic polyoxometalate-based ionic liquid supported silica induced efficient performance in oxidative desulfurization. <i>Journal of Molecular Catalysis A</i> , 2015 , 406, 23-30		61
17	Magnetic g-C ₃ N ₄ /NiFe ₂ O ₄ hybrids with enhanced photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 57960-57967	5.7	92
16	Fabrication of dual-mesoporous silica by triblock copolymers and metal-based ionic liquid: efficient and durable catalyst for oxidative desulfurization in fuel. <i>RSC Advances</i> , 2015 , 5, 104322-104329	3.7	5
15	First-principles study of atomic structure and electronic properties of Si and F doped anatase TiO ₂ . <i>Materials Science-Poland</i> , 2015 , 33, 549-554	0.6	10
14	First-principles study of negative thermal expansion mechanism in A-site-ordered perovskite SrCu ₃ Fe ₄ O ₁₂ . <i>RSC Advances</i> , 2015 , 5, 1801-1807	3.7	9
13	One-pot extraction combined with metal-free photochemical aerobic oxidative desulfurization in deep eutectic solvent. <i>Green Chemistry</i> , 2015 , 17, 2464-2472	10	204
12	Few-layered graphene-like boron nitride induced a remarkable adsorption capacity for dibenzothiophene in fuels. <i>Green Chemistry</i> , 2015 , 17, 1647-1656	10	144
11	Synthesis of MoSe ₂ /Reduced graphene oxide composites with improved tribological properties for oil-based additives. <i>Crystal Research and Technology</i> , 2014 , 49, 204-211	1.3	38
10	Atomic structures and electronic properties of Ta-doped 2H-NbSe ₂ . <i>RSC Advances</i> , 2014 , 4, 57541-57546	3.7	5
9	First-principles calculations on structural, electronic properties of V-doped 2H-NbSe ₂ . <i>RSC Advances</i> , 2014 , 4, 9573	3.7	14
8	Phosphotungstic Acid Immobilized on Ionic Liquid-Modified SBA-15: Efficient Hydrophobic Heterogeneous Catalyst for Oxidative Desulfurization in Fuel. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 19895-19904	3.9	96
7	Multifunctional gold-loaded TiO ₂ thin film: photocatalyst and recyclable SERS substrate. <i>Canadian Journal of Chemistry</i> , 2013 , 91, 1112-1116	0.9	10
6	Thin films of Fe ₂ O ₃ nanoparticles using as nonmetallic SERS-active nanosensors for submicromolar detection. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2011 , 6, 206-212		2

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4	Pyrolysis behaviors of rapeseed meal: products distribution and properties. <i>Biomass Conversion and Biorefinery</i> ,1	2.3	
3	Study on the pyrolysis mechanism of unsaturated fatty acid: A combined density functional theory and experimental study. <i>International Journal of Energy Research</i> ,	4.5	1
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1	Non-Covalent Interaction of Atomically Dispersed Cu and Zn Pair Sites for Efficient Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> ,2203471	15.6	2