

Hongping Li

List of Publications by Year in descending order

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180
papers

8,090
citations

36303

51
h-index

62596

80
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183
all docs

183
docs citations

183
times ranked

6434
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous silica anchored on reduced graphene oxide nanocomposite as anode for superior lithium-ion capacitor. <i>Rare Metals</i> , 2022, 41, 368-377.	7.1	32
2	Study on the pyrolysis mechanism of unsaturated fatty acid: A combined density functional theory and experimental study. <i>International Journal of Energy Research</i> , 2022, 46, 2029-2040.	4.5	10
3	Catalytic co-pyrolysis of macroalgal components with lignocellulosic biomass for enhanced biofuels and high-valued chemicals. <i>International Journal of Energy Research</i> , 2022, 46, 2674-2697.	4.5	12
4	Adsorption modeling, thermodynamics, and DFT simulation of tetracycline onto mesoporous and high-surface-area NaOH-activated macroalgae carbon. <i>Journal of Hazardous Materials</i> , 2022, 425, 127887.	12.4	155
5	Nitrogen transfer mechanism research on the co-pyrolysis macroalgae with polyethylene. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101886.	2.7	4
6	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.	3.6	8
7	Construction of 2D/2D graphene oxide/C ₃ N ₄ hybrid for enhancing the friction and wear performance of poly(phthalazinone ether sulfone ketone). <i>Polymer Composites</i> , 2022, 43, 2055-2063.	4.6	7
8	Understanding the Ingenious Dual Role-Playing of CO ₂ in One-Pot Pressure-Swing Synthesis of Linear Carbonate. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2556-2568.	6.7	16
9	Rational Design of Caprolactam-Based Deep Eutectic Solvents for Extractive Desulfurization of Diesel Fuel and Mechanism Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 4551-4560.	6.7	18
10	Engineering Dual Oxygen Simultaneously Modified Boron Nitride for Boosting Adsorptive Desulfurization of Fuel. <i>Engineering</i> , 2022, 14, 86-93.	6.7	11
11	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.	3.6	2
12	Highly efficient adsorption of Bisphenol A using NaHCO ₃ /CO ₂ activated carbon composite derived from shrimp shell@cellulose. <i>Environmental Science and Pollution Research</i> , 2022, 29, 68724-68734.	5.3	7
13	Non-Covalent Interaction of Atomically Dispersed Cu and Zn Pair Sites for Efficient Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	79
14	Activation of Nitrogen-Doped Carbon Materials on the C-N Bond and C-O Bond: Modeling Study Toward Enhanced Pyrolysis Products. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7473-7484.	6.7	20
15	Ag Atom Anchored on Defective Hexagonal Boron Nitride Nanosheets As Single Atom Adsorbents for Enhanced Adsorptive Desulfurization via S-Ag Bonds. <i>Nanomaterials</i> , 2022, 12, 2046.	4.1	11
16	Adsorption properties of seaweed-based biochar with the greenhouse gases (CO ₂ , CH ₄ , N ₂ O) through density functional theory (DFT). <i>Biomass and Bioenergy</i> , 2022, 163, 106519.	5.7	20
17	Porous liquids for gas capture, separation, and conversion: Narrowing the knowing-doing gap. <i>Separation and Purification Technology</i> , 2022, 297, 121456.	7.9	7
18	Engineering hollow mesoporous silica supported cobalt molybdate catalyst by dissolution-regrowth strategy for efficiently aerobic oxidative desulfurization. <i>Fuel</i> , 2022, 325, 124755.	6.4	15

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19	Enhanced Oxygen Activation Achieved by Robust Single Chromium Atom-Derived Catalysts in Aerobic Oxidative Desulfurization. <i>ACS Catalysis</i> , 2022, 12, 8623-8631.	11.2	78
20	Preparation of the 1-Methylimidazole Borane/Tetrazole System for Hypergolic Fuels. <i>Molecules</i> , 2022, 27, 4466.	3.8	0
21	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> , 2021, 146, 2303-2315.	3.6	17
22	Experimental investigation of high alcohol low viscous renewable fuel in DI diesel engine. <i>Environmental Science and Pollution Research</i> , 2021, 28, 12026-12040.	5.3	25
23	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.	3.6	30
24	Theoretical prediction of the SO ₂ absorption by hollow silica based porous ionic liquids. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 103, 107788.	2.4	18
25	Dual-active-sites design of CoN _x 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.	12.7	39
26	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.	9.4	60
27	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.	6.4	100
28	Defect Engineering on Boron Nitride for O ₂ Activation and Subsequent Oxidative Desulfurization. <i>ChemPhysChem</i> , 2021, 22, 168-177.	2.1	4
29	Study on two-step hydrothermal liquefaction of macroalgae for improving bio-oil. <i>Bioresource Technology</i> , 2021, 319, 124176.	9.6	89
30	Ionic Liquids for Extractive Desulfurization of Fuels. , 2021, , 1-6.		0
31	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.	10.3	37
32	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.	9.0	91
33	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.	6.8	30
34	Insight into the Mechanism of Glycerol Dehydration and Subsequent Pyridine Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 3095-3103.	6.7	23
35	Engineering Highly Dispersed Pt Species by Defects for Boosting the Reactive Desulfurization Performance. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 2828-2837.	3.7	13
36	3D Bimodal Porous Amorphous Carbon with Self-Similar Porosity by Low-Temperature Sequential Chemical Dealloying. <i>Chemistry of Materials</i> , 2021, 33, 1013-1021.	6.7	11

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37	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.	4.6	10
38	Efficient and remarkable SO ₂ capture: A discovery of imidazole-based ternary deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 330, 115595.	4.9	18
39	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.	6.7	29
40	Co-cultivation of <i>Streptomyces</i> and microalgal cells as an efficient system for biodiesel production and biofloculation formation. <i>Bioresource Technology</i> , 2021, 332, 125118.	9.6	39
41	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.	9.6	45
42	Hydrogen rich syngas production from sorption enhanced gasification of cellulose in the presence of calcium oxide. <i>Energy</i> , 2021, 228, 120659.	8.8	25
43	Extractive desulfurization of diesel fuel by amide-based type IV deep eutectic solvents. <i>Journal of Molecular Liquids</i> , 2021, 338, 116620.	4.9	33
44	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.	4.9	21
45	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.	6.7	9
46	Coke formation during rapid quenching of volatile vapors from fast pyrolysis of cellulose. <i>Fuel</i> , 2021, 306, 121658.	6.4	19
47	Insight into the reversible behavior of Lewis-Brønsted basic poly(ionic liquid)s in one-pot two-step chemical fixation of CO ₂ to linear carbonates. <i>Green Chemistry</i> , 2021, 23, 8571-8580.	9.0	23
48	Biocrude Production from Hydrothermal Liquefaction of <i>Chlorella</i> : Thermodynamic Modelling and Reactor Design. <i>Energies</i> , 2021, 14, 6602.	3.1	4
49	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.	6.7	17
50	Synthesis of asymmetric [bis(imidazolyl)-BH ₂] ⁺ -cation-based ionic liquids as potential rocket fuels. <i>RSC Advances</i> , 2021, 11, 38040-38046.	3.6	4
51	Facile Construction of Magnetic Ionic Liquid Supported Silica for Aerobic Oxidative Desulfurization in Fuel. <i>Catalysts</i> , 2021, 11, 1496.	3.5	0
52	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.	2.3	24
53	The electronic structure and physicochemical property of boron nitridene. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 94, 107475.	2.4	2
54	Fluorine-Substituted Benzotriazole Core Building Block-Based Highly Efficient Hole-Transporting Materials for Mesoporous Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900362.	5.8	16

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55	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.	6.4	108
56	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.	6.7	30
57	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.	9.3	128
58	Benzo[1,2- <i>c</i> :4,5- <i>i</i> ']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.	5.1	3
59	Study on the co-operative effect of kitchen wastewater for harvest and enhanced pyrolysis of microalgae. <i>Bioresource Technology</i> , 2020, 317, 123983.	9.6	45
60	The interaction nature between hollow silica-based porous ionic liquids and CO ₂ : A DFT study. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 100, 107694.	2.4	21
61	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.	9.2	155
62	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.	2.8	7
63	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.	2.4	11
64	A half-metallic ferrimagnet of CeCu ₃ Cr ₄ O ₁₂ with 4f itinerant electron. <i>Applied Physics Letters</i> , 2020, 117, 132404.	3.3	1
65	Metal Nanoparticles Confined within an Inorganic-Organic Framework Enable Superior Substrate-Selective Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 42739-42748.	8.0	14
66	Cyclic Compound Formation Mechanisms during Pyrolysis of Typical Aliphatic Acidic Amino Acids. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16968-16978.	6.7	32
67	Transformation of Nitrogen during Microalgae Liquefaction in Subcritical/Supercritical Ethanol. <i>Energy & Fuels</i> , 2020, 34, 14182-14189.	5.1	5
68	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.	4.6	11
69	Cu Nanoclusters/FeN ₄ 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.	8.0	71
70	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	13
71	Ferrimagnetic semiconductor with a direct bandgap. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	7
72	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.	1.5	13

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73	Synthesis of boron nitride nanosheets with N-defects for efficient tetracycline antibiotics adsorptive removal. <i>Chemical Engineering Journal</i> , 2020, 387, 124138.	12.7	75
74	Atomic-Layered V_2O_5 Nanosheets Obtained via Fast Gas-Driven Exfoliation for Superior Aerobic Oxidative Desulfurization. <i>Energy & Fuels</i> , 2020, 34, 2612-2616.	5.1	30
75	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.	3.7	28
76	A 3D nitrogen-doped graphene aerogel for enhanced visible-light photocatalytic pollutant degradation and hydrogen evolution. <i>RSC Advances</i> , 2020, 10, 12423-12431.	3.6	18
77	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.	20.2	135
78	Synergistic effect of dual Brønsted acidic deep eutectic solvents for oxidative desulfurization of diesel fuel. <i>Chemical Engineering Journal</i> , 2020, 394, 124831.	12.7	123
79	Changes in Biochar Functional Groups and Its Reactivity after Volatile-Char Interactions during Biomass Pyrolysis. <i>Energy & Fuels</i> , 2020, 34, 14291-14299.	5.1	36
80	Unraveling the mechanism of CO_2 capture and separation by porous liquids. <i>RSC Advances</i> , 2020, 10, 42706-42717.	3.6	22
81	Preparation of Biscuit-Like SO_2/ZrO_2 Catalyst for Alkylation of o-Xylene with Styrene. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 3496-3503.	0.9	1
82	Co-pyrolysis and catalytic co-pyrolysis of Enteromorpha clathrata and rice husk. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2613-2623.	3.6	33
83	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.	6.7	72
84	Influence of torrefaction pretreatment on the pyrolysis characteristics of seaweed biomass. <i>Cellulose</i> , 2019, 26, 8475-8487.	4.9	12
85	Molybdenum-containing dendritic mesoporous silica spheres for fast oxidative desulfurization in fuel. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 451-458.	6.0	45
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	12
87	Lattice-Refined Transition-Metal Oxides via Ball Milling for Boosted Catalytic Oxidation Performance. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36666-36675.	8.0	42
88	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.	14.6	109
89	Rational design of the nonlinear optical materials dinaphtho[2,3-b:2',3'-d]thiophene-5,7,12,13-tetraone (DNTTRA) and its phenyldiazenyl derivatives using first-principles calculations. <i>Journal of Computational Electronics</i> , 2019, 18, 6-15.	2.5	4
90	Unraveling the effect of B-site antisite defects on the electronic and magnetic properties of the quadruple perovskite $\text{CaCu}_3\text{Fe}_2\text{Nb}_2\text{O}_{12}$. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3059-3065.	2.8	5

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91	Sonochemical assisted fabrication of 3D hierarchical porous carbon for high-performance symmetric supercapacitor. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104617.	8.2	24
92	Single-Atom Coated Separator for Robust Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25147-25154.	8.0	152
93	Boric acid-based ternary deep eutectic solvent for extraction and oxidative desulfurization of diesel fuel. <i>Green Chemistry</i> , 2019, 21, 3074-3080.	9.0	151
94	Night illumination using monochromatic light-emitting diodes for enhanced microalgal growth and biodiesel production. <i>Bioresource Technology</i> , 2019, 288, 121514.	9.6	59
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.	3.3	39
96	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.	9.6	92
97	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.	10.3	60
98	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.	3.5	26
99	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.	5.6	21
100	The mechanism of thiophene oxidation on metal-free two-dimensional hexagonal boron nitride. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21867-21874.	2.8	26
101	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.	3.7	60
102	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.	3.1	42
103	Co-pyrolysis of macroalgae and lignocellulosic biomass. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 2001-2016.	3.6	43
104	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.	8.7	53
105	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.	6.7	71
106	Advanced Overlap Adsorption Model of Few-Layer Boron Nitride for Aromatic Organic Pollutants. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 4045-4051.	3.7	26
107	Comparative Study of Combustion Properties of Two Seaweeds in a Batch Fluidized Bed. <i>Combustion Science and Technology</i> , 2018, 190, 755-769.	2.3	5
108	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.	9.6	49

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109	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.	0.7	5
110	An accurate empirical method to predict the adsorption strength for π -orbital contained molecules on two dimensional materials. <i>Journal of Molecular Graphics and Modelling</i> , 2018, 82, 93-100.	2.4	25
111	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.	5.5	44
112	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.	4.7	29
113	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.	9.6	98
114	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, 818.	2.2	7
115	Polyoxometalate-based silica-supported ionic liquids for heterogeneous oxidative desulfurization in fuels. <i>Petroleum Science</i> , 2018, 15, 882-889.	4.9	10
116	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.	8.0	41
117	Amorphous TiO ₂ -supported Keggin-type ionic liquid catalyst catalytic oxidation of dibenzothiophene in diesel. <i>Petroleum Science</i> , 2018, 15, 870-881.	4.9	18
118	H ₂ O ₂ 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.	2.4	22
119	Ionic liquid-supported 3DOM silica for efficient heterogeneous oxidative desulfurization. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2478-2485.	6.0	38
120	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.	3.7	35
121	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.	9.0	128
122	Co-pyrolysis mechanism of seaweed polysaccharides and cellulose based on macroscopic experiments and molecular simulations. <i>Bioresource Technology</i> , 2017, 228, 305-314.	9.6	51
123	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.	10.3	96
124	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.	5.1	35
125	Study of pyrolytic mechanisms of seaweed based on different components (soluble polysaccharides, Tj ETQq1 1 0.784314 r _{BT} /Ove	2.0	14
126	Reversible Formation of γ -N ₃ 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas Sensing Properties. <i>Advanced Functional Materials</i> , 2017, 27, 1700653.	14.9	90

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127	Hydrogels: Reversible Formation of C_3N_4 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas Sensing Properties (Adv. Funct. Mater.)	10.784314	106
128	Synthesis of mesoporous WO_3/TiO_2 catalyst and its excellent catalytic performance for the oxidation of dibenzothiophene. New Journal of Chemistry, 2017, 41, 569-578.	2.8	72
129	Tailoring N-Terminated Defective Edges of Porous Boron Nitride for Enhanced Aerobic Catalysis. Small, 2017, 13, 1701857.	10.0	60
130	Tuning the Chemical Hardness of Boron Nitride Nanosheets by Doping Carbon for Enhanced Adsorption Capacity. ACS Omega, 2017, 2, 5385-5394.	3.5	86
131	Magnetic POM-based mesoporous silica for fast oxidation of aromatic sulfur compounds. Fuel, 2017, 209, 545-551.	6.4	52
132	One-pot extraction and aerobic oxidative desulfurization with highly dispersed $\text{V}_2\text{O}_5/\text{SBA-15}$ catalyst in ionic liquids. RSC Advances, 2017, 7, 39383-39390.	3.6	40
133	Tuning electronic properties of boron nitride nanoplate via doping carbon for enhanced adsorptive performance. Journal of Colloid and Interface Science, 2017, 508, 121-128.	9.4	37
134	Taming Interfacial Oxygen Vacancies of Amphiphilic Tungsten Oxide for Enhanced Catalysis in Oxidative Desulfurization. ACS Sustainable Chemistry and Engineering, 2017, 5, 8930-8938.	6.7	75
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