

Jingyu Pang

List of Publications by Year in descending order

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38
papers

2,505
citations

236833

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315616

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docs citations

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times ranked

2104
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled Gas Exfoliation of Boron Nitride into Few-Layered Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10766-10770.	7.2	271
2	A template-free solvent-mediated synthesis of high surface area boron nitride nanosheets for aerobic oxidative desulfurization. <i>Chemical Communications</i> , 2016, 52, 144-147.	2.2	206
3	Pyridinium-based temperature-responsive magnetic ionic liquid for oxidative desulfurization of fuels. <i>Chemical Engineering Journal</i> , 2013, 229, 250-256.	6.6	174
4	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.	3.2	167
5	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.	4.6	128
6	Carbon-doped porous boron nitride: metal-free adsorbents for sulfur removal from fuels. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12738-12747.	5.2	126
7	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.	1.8	118
8	Copper nanoparticles advance electron mobility of graphene-like boron nitride for enhanced aerobic oxidative desulfurization. <i>Chemical Engineering Journal</i> , 2016, 301, 123-131.	6.6	115
9	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.	4.6	91
10	Tuning the Chemical Hardness of Boron Nitride Nanosheets by Doping Carbon for Enhanced Adsorption Capacity. <i>ACS Omega</i> , 2017, 2, 5385-5394.	1.6	86
11	Hexagonal boron nitride: A metal-free catalyst for deep oxidative desulfurization of fuel oils. <i>Green Energy and Environment</i> , 2020, 5, 166-172.	4.7	83
12	Synthesis of boron nitride nanosheets with N-defects for efficient tetracycline antibiotics adsorptive removal. <i>Chemical Engineering Journal</i> , 2020, 387, 124138.	6.6	75
13	Controllable Fabrication of Tungsten Oxide Nanoparticles Confined in Graphene-Analogue Boron Nitride as an Efficient Desulfurization Catalyst. <i>Chemistry - A European Journal</i> , 2015, 21, 15421-15427.	1.7	63
14	Graphene-Analogues Boron Nitride Nanosheets Confining Ionic Liquids: A High-Performance Quasi-Liquid Solid Electrolyte. <i>Small</i> , 2016, 12, 3535-3542.	5.2	62
15	Tailoring N-Terminated Defective Edges of Porous Boron Nitride for Enhanced Aerobic Catalysis. <i>Small</i> , 2017, 13, 1701857.	5.2	60
16	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.	5.0	60
17	High-performance adsorptive desulfurization by ternary hybrid boron carbon nitride aerogel. <i>AIChE Journal</i> , 2021, 67, e17280.	1.8	58
18	Green aqueous biphasic systems containing deep eutectic solvents and sodium salts for the extraction of protein. <i>RSC Advances</i> , 2017, 7, 49361-49367.	1.7	53

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19	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.	4.7	53
20	Deep oxidative desulfurization with a microporous hexagonal boron nitride confining phosphotungstic acid catalyst. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 207-215.	4.8	51
21	Sustainable and Convenient Recovery of Valuable Metals from Spent Li-Ion Batteries by a One-Pot Extraction Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13851-13861.	3.2	49
22	Graphene-like BN@SiO ₂ nanocomposites as efficient sorbents for solid-phase extraction of Rhodamine B and Rhodamine 6G from food samples. <i>Food Chemistry</i> , 2020, 320, 126666.	4.2	40
23	Highly selective separation of lithium with hierarchical porous lithium-ion sieve microsphere derived from MXene. <i>Desalination</i> , 2022, 537, 115847.	4.0	32
24	Graphene-like boron nitride anchored Brønsted acid ionic liquids as metal-free catalyst for advanced oxidation process. <i>Molecular Catalysis</i> , 2017, 436, 53-59.	1.0	27
25	Electrochemical lithium ions pump for lithium recovery from brine by using a surface stability Al ₂ O ₃ @ZrO ₂ coated LiMn ₂ O ₄ electrode. <i>Journal of Energy Chemistry</i> , 2022, 69, 244-252.	7.1	27
26	Phosphomolybdic acid immobilized on ionic liquid-modified hexagonal boron nitride for oxidative desulfurization of fuel. <i>RSC Advances</i> , 2017, 7, 54266-54276.	1.7	26
27	Phosphomolybdic acid encapsulated in ZIF-8-based porous ionic liquids for reactive extraction desulfurization of fuels. <i>Inorganic Chemistry Frontiers</i> , 2021, 9, 165-178.	3.0	24
28	Gas-exfoliated porous monolayer boron nitride for enhanced aerobic oxidative desulfurization performance. <i>Nanotechnology</i> , 2018, 29, 025604.	1.3	23
29	Heterogenization of homogenous oxidative desulfurization reaction on graphene-like boron nitride with a peroxomolybdate ionic liquid. <i>RSC Advances</i> , 2016, 6, 140-147.	1.7	22
30	Unraveling the mechanism of CO ₂ capture and separation by porous liquids. <i>RSC Advances</i> , 2020, 10, 42706-42717.	1.7	22
31	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.	1.3	21
32	Three-dimensional Ce-MOFs-derived Ce@C-BN nanobundles for adsorptive desulfurization. <i>Applied Surface Science</i> , 2022, 590, 152926.	3.1	19
33	Construction of truncated-octahedral LiMn ₂ O ₄ for battery-like electrochemical lithium recovery from brine. <i>Green Energy and Environment</i> , 2023, 8, 1081-1090.	4.7	18
34	Binary molten salts mediated defect engineering on hexagonal boron nitride catalyst with long-term stability for aerobic oxidative desulfurization. <i>Applied Surface Science</i> , 2021, 558, 149724.	3.1	13
35	Synergistic Effect of Au@Cu Alloy Nanoparticles on TiO ₂ for Efficient Aerobic Catalytic Oxidative Desulfurization. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 6292-6300.	1.8	12
36	Engineering Dual Oxygen Simultaneously Modified Boron Nitride for Boosting Adsorptive Desulfurization of Fuel. <i>Engineering</i> , 2022, 14, 86-93.	3.2	11

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37	Construction of porous disc-like lithium manganate for rapid and selective electrochemical lithium extraction from brine. Chinese Journal of Chemical Engineering, 2023, 54, 316-322.	1.7	11
38	Synthesis of porous carbon <i>via</i> a waste tire leavening strategy for adsorptive desulfurization. RSC Advances, 2019, 9, 30575-30580.	1.7	8