Jianlong Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4658476/publications.pdf

Version: 2024-02-01

50	2,697	147566 31	189595 50
papers	citations	h-index	g-index

50	50	50	3058
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microphase Separation Engineering toward 3D Porous Carbon Assembled from Nanosheets for Flexible All-Solid-State Supercapacitors. ACS Applied Materials & Interfaces, 2022, 14, 13250-13260.	4.0	31
2	Enriched sp²-Hybridized C Atoms toward the Tradeoff between Activity, Conductivity and Stability of Spherical Porous Metalâ€“Nitrogenâ€“Carbon Catalysts for Rechargeable Zincâ€“Air Batteries. ACS Sustainable Chemistry and Engineering, 2022, 10, 9303-9314.	3.2	3
3	Remarkable promotion effect of 2,3-Dimethyl-2,3-diphenylbutane on the oxidation stabilization of coal tar pitch. Fuel, 2021, 284, 119028.	3.4	8
4	Tailor-made C-Cl bond towards rapid homogeneous stabilization of low-softening-point coal tar pitch. Fuel, 2021, 284, 119288.	3.4	20
5	Tailored C-N bond toward defect-rich hierarchically porous carbon from coal tar pitch for high-efficiency adsorptive desulfurization. Fuel, 2021, 292, 120251.	3.4	24
6	Surface Oxygen Functionalization of Carbon Cloth toward Enhanced Electrochemical Dopamine Sensing. ACS Sustainable Chemistry and Engineering, 2021, 9, 16063-16072.	3.2	26
7	Free-radical-initiated strategy aiming for pitch-based dual-doped carbon nanosheets engaged into high-energy asymmetric supercapacitors. Energy Storage Materials, 2020, 26, 119-128.	9.5	85
8	Harvesting honeycomb-like carbon nanosheets with tunable mesopores from mild-modified coal tar pitch for high-performance flexible all-solid-state supercapacitors. Journal of Power Sources, 2020, 448, 227446.	4.0	52
9	Deep oxidative desulfurization of model fuels with sulfonated polystyrene as catalyst in ionic liquids. Journal of the Taiwan Institute of Chemical Engineers, 2020, 115, 128-134.	2.7	18
10	Small mesopore engineering of pitch-based porous carbons toward enhanced supercapacitor performance. Chemical Engineering Journal, 2020, 399, 125818.	6.6	68
11	Ultraâ€Deep Oxidative Desulfurization of Model Oil Catalyzed by In Situ Carbonâ€Supported Vanadium Oxides Using Cumene Hydroperoxide as Oxidant. ChemistrySelect, 2020, 5, 2148-2156.	0.7	15
12	Oxygen-rich hierarchically porous carbons derived from pitch-based oxidized spheres for boosting the supercapacitive performance. Journal of Colloid and Interface Science, 2019, 540, 439-447.	5.0	39
13	Rational Surface Tailoring Oxygen Functional Groups on Carbon Spheres for Capacitive Mechanistic Study. ACS Applied Materials & Interfaces, 2019, 11, 13214-13224.	4.0	58
14	Facile synthesis of hierarchical mesopore-rich activated carbon with excellent capacitive performance. Journal of Colloid and Interface Science, 2019, 546, 101-112.	5.0	27
15	Insight into the oxidative reactivity of pitch fractions for predicting and optimizing the oxidation stabilization of pitch. Fuel, 2019, 242, 184-194.	3.4	56
16	Template-Free Synthesis of Honeycomblike Porous Carbon Rich in Specific 2â€“5 nm Mesopores from a Pitch-Based Polymer for a High-Performance Supercapacitor. ACS Sustainable Chemistry and Engineering, 2019, 7, 2116-2126.	3.2	51
17	Adsorptive desulfurization of model fuel by S, N-codoped porous carbons based on polybenzoxazine. Fuel, 2018, 218, 258-265.	3.4	30
18	Nitrogen and sulfur Co-doped microporous activated carbon macro-spheres for CO2 capture. Journal of Colloid and Interface Science, 2018, 526, 174-183.	5.0	56

#	Article	IF	Citations
19	Natural graphene microsheets/sulfur as Li-S battery cathode towards >99% coulombic efficiency of long cycles. Journal of Power Sources, 2018, 376, 131-137.	4.0	37
20	Insight into controllability and predictability of pore structures in pitch-based activated carbons. Microporous and Mesoporous Materials, 2018, 271, 118-127.	2.2	57
21	Deep Catalytic Oxidative Desulfurization of Model Fuel Based on Modified Iron Porphyrins in Ionic Liquids: Anionic Ligand Effect. ACS Sustainable Chemistry and Engineering, 2017, 5, 2050-2055.	3.2	55
22	Sulfur-Doped Millimeter-Sized Microporous Activated Carbon Spheres Derived from Sulfonated Poly(styreneâ€“divinylbenzene) for CO₂ Capture. Journal of Physical Chemistry C, 2017, 121, 10000-10009.	1.5	85
23	Scalable synthesis of hierarchical macropore-rich activated carbon microspheres assembled by carbon nanoparticles for high rate performance supercapacitors. Journal of Power Sources, 2017, 342, 363-370.	4.0	83
24	Biomimetic oxidative desulfurization of fuel oil in ionic liquids catalyzed by Fe (III) porphyrins. Applied Catalysis A: General, 2017, 532, 26-31.	2.2	46
25	Template-free preparation of layer-stacked hierarchical porous carbons from coal tar pitch for high performance all-solid-state supercapacitors. Journal of Materials Chemistry A, 2017, 5, 15869-15878.	5.2	107
26	Extractive and oxidative desulfurization of model oil in polyethylene glycol. RSC Advances, 2016, 6, 35071-35075.	1.7	20
27	Synthesis of polybenzoxazine based nitrogen-rich porous carbons for carbon dioxide capture. Nanoscale, 2015, 7, 6534-6544.	2.8	66
28	Polybenzoxazine-based nitrogen-containing porous carbons for high-performance supercapacitor electrodes and carbon dioxide capture. RSC Advances, 2015, 5, 5331-5342.	1.7	49
29	One-pot extractive and oxidative desulfurization of liquid fuels with molecular oxygen in ionic liquids. RSC Advances, 2014, 4, 59885-59889.	1.7	18
30	Nitrogen-Enriched Hierarchically Porous Carbons Prepared from Polybenzoxazine for High-Performance Supercapacitors. ACS Applied Materials & Interfaces, 2014, 6, 15583-15596.	4.0	189
31	Synthesis, Characterization, and Evaluation of Activated Carbon Spheres for Removal of Dibenzothiophene from Model Diesel Fuel. Industrial & Engineering Chemistry Research, 2014, 53, 4271-4276.	1.8	44
32	CO₂ Capture with Activated Carbon Grafted by Nitrogenous Functional Groups. Energy & Fuels, 2013, 27, 4818-4823.	2.5	67
33	Electrochemical performance of asymmetric supercapacitor based on Co3O4/AC materials. Journal of Electroanalytical Chemistry, 2013, 706, 1-6.	1.9	85
34	Compressive properties of nano-calcium carbonate/epoxy and its fibre composites. Composites Part B: Engineering, 2013, 45, 919-924.	5.9	73
35	Preparation and electrochemical performance of the layered cobalt oxide (Co3O4) as supercapacitor electrode material. Journal of Solid State Electrochemistry, 2013, 17, 55-61.	1.2	96
36	CoxNi1â^'x double hydroxide nanoparticles with ultrahigh specific capacitances as supercapacitor electrode materials. Electrochimica Acta, 2012, 78, 205-211.	2.6	125

#	Article	IF	Citations
37	Preparation of mesoporous carbon spheres with a bimodal pore size distribution and its application for electrochemical double layer capacitors based on ionic liquid as the electrolyte. Microporous and Mesoporous Materials, 2012, 151, 282-286.	2.2	31
38	Physical and electrochemical characterization of activated carbons with high mesoporous ratio for supercapacitors based on ionic liquid as the electrolyte. Journal of Solid State Electrochemistry, 2011, 15, 607-613.	1.2	2
39	Effects of novolac resin modification on mechanical properties of carbon fiber/epoxy composites. Polymer Composites, 2011, 32, 227-235.	2.3	9
40	A novel approach for fabrication of hollow carbon spheres with large size and high specific surface area. Microporous and Mesoporous Materials, 2011, 139, 207-210.	2.2	13
41	Study on thermal and mechanical properties of nano-calcium carbonate/epoxy composites. Materials & Design, 2011, 32, 4521-4527.	5.1	116
42	Mixed resin and carbon fibres surface treatment for preparation of carbon fibres composites with good interfacial bonding strength. Materials & Design, 2010, 31, 4631-4637.	5.1	48
43	Oxidative Desulfurization of Dibenzothiophene Using Ozone and Hydrogen Peroxide in Ionic Liquid. Energy & Fuels, 2010, 24, 2527-2529.	2.5	106
44	Preparation of spherical activated carbon with hierarchical porous texture. Journal of Materials Science, 2009, 44, 4750-4753.	1.7	12
45	Oxidative Desulfurization of Dibenzothiophene Catalyzed by BrÃ¸nsted Acid Ionic Liquid. Energy & Fuels, 2009, 23, 3831-3834.	2.5	51
46	Photochemical Oxidationâ^'Ionic Liquid Extraction Coupling Technique in Deep Desulphurization of Light Oil. Energy & Fuels, 2008, 22, 1100-1103.	2.5	52
47	Electrochemical surface plasmon resonance detection of enzymatic reaction in bilayer lipid membranes. Talanta, 2008, 75, 666-670.	2.9	23
48	Surface plasmon resonance and electrochemistry characterization of layer-by-layer self-assembled DNA and Zr4+ thin films, and their interaction with cytochrome c. Talanta, 2007, 74, 104-109.	2.9	29
49	Oxidative desulfurization of diesel fuel using a BrÃ¸nsted acid room temperature ionic liquid in the presence of H2O2. Green Chemistry, 2007, 9, 1219.	4.6	181
50	Kinetics and Mechanism of Quaternary Ammonium Salts as Phase-Transfer Catalysts in the Liquidâ^'Liquid Phase for Oxidation of Thiophene. Energy & Fuels, 2007, 21, 2543-2547.	2.5	55