

Heisi Kurig

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1370131/publications.pdf>

Version: 2024-02-01

55
papers

1,738
citations

346980

22
h-index

312153

41
g-index

56
all docs

56
docs citations

56
times ranked

2262
citing authors

#	ARTICLE	IF	CITATIONS
1	Pore wall corrugation effect on the dynamics of adsorbed H ₂ studied by in situ quasi-elastic neutron scattering: Observation of two timescaled diffusion. Carbon, 2022, 197, 359-367.	5.4	8
2	Study of the structural curvature in Mo ₂ C derived carbons with contrast matched small-angle neutron scattering. Carbon, 2021, 171, 695-703.	5.4	18
3	Carbide-Derived Carbons: WAXS and Raman Spectra for Detailed Structural Analysis. Journal of Carbon Research, 2021, 7, 29.	1.4	10
4	Transport properties of H ₂ confined in carbide-derived carbons with different pore shapes and sizes. Carbon, 2019, 155, 122-128.	5.4	18
5	NaAlH ₄ /microporous carbon composite materials for reversible hydrogen storage. Microporous and Mesoporous Materials, 2018, 264, 8-12.	2.2	16
6	Influence of porosity parameters and electrolyte chemical composition on the power densities of non-aqueous and ionic liquid based supercapacitors. Electrochimica Acta, 2018, 283, 931-948.	2.6	37
7	Application of Some Carbon Fabrics as Outstanding Supercapacitor Electrode Materials in Acetonitrile Based Electrolyte. Journal of the Electrochemical Society, 2017, 164, A453-A460.	1.3	4
8	Enhanced stability of symmetrical polymer electrolyte membrane fuel cell single cells based on novel hierarchical microporous-mesoporous carbon supports. Journal of Solid State Electrochemistry, 2017, 21, 1035-1043.	1.2	9
9	Novel sol-gel synthesis route of carbide-derived carbon composites for very high power density supercapacitors. Chemical Engineering Journal, 2017, 320, 576-587.	6.6	41
10	Performance of Polymer Electrolyte Membrane Fuel Cell Single Cells Prepared Using Hierarchical Microporous-Mesoporous Carbon Supported Pt Nanoparticles Activated Catalysts. Electrochimica Acta, 2016, 203, 221-229.	2.6	23
11	Microporous and mesoporous carbons for energy storage synthesized by activation of carbonaceous material by zinc chloride, potassium hydroxide or mixture of them. Journal of Power Sources, 2016, 326, 624-634.	4.0	68
12	Enhanced Stability of Novel Hierarchical Carbon Supports in PEMFC Application. ECS Transactions, 2016, 75, 789-799.	0.3	3
13	Characteristics of Capacitors Based on Ionic Liquids: From Dielectric Polymers to Redox-Active Adsorbed Species. ECS Transactions, 2016, 75, 161-170.	0.3	6
14	Structure and stability of partially chlorinated molybdenum carbide composite materials synthesised via high temperature chlorination. Electrochimica Acta, 2016, 191, 337-345.	2.6	7
15	The suitability of infinite slit-shaped pore model to describe the pores in highly porous carbon materials. Carbon, 2016, 100, 617-624.	5.4	50
16	Neutron Scattering Applications to Hydrogen Storage Materials. Neutron News, 2016, 27, 14-15.	0.1	4
17	Different Carbide Derived Nanoporous Carbon Supports and Electroreduction of Oxygen. ECS Transactions, 2015, 66, 69-80.	0.3	4
18	High power density supercapacitors based on the carbon dioxide activated d-glucose derived carbon electrodes and 1-ethyl-3-methylimidazolium tetrafluoroborate ionic liquid. Journal of Power Sources, 2015, 280, 667-677.	4.0	111

#	ARTICLE	IF	CITATIONS
19	Huge enhancement of energy storage capacity and power density of supercapacitors based on the carbon dioxide activated microporous SiC-CDC. <i>Electrochimica Acta</i> , 2015, 161, 364-370.	2.6	75
20	Methane adsorption on specially designed TiC and Mo ₂ C derived carbons with different pore size and surface morphology. <i>Microporous and Mesoporous Materials</i> , 2015, 218, 167-173.	2.2	16
21	Application of multistep electrospinning method for preparation of electrical double-layer capacitor half-cells. <i>Electrochimica Acta</i> , 2014, 119, 72-77.	2.6	17
22	Novel micromesoporous carbon materials synthesized from tantalum hafnium carbide and tungsten titanium carbide. <i>Carbon</i> , 2014, 67, 607-616.	5.4	46
23	Carbon electrode interfaces for synthesis, sensing and electrocatalysis: general discussion. <i>Faraday Discussions</i> , 2014, 172, 497-520.	1.6	1
24	Carbon electrodes for energy storage: general discussion. <i>Faraday Discussions</i> , 2014, 172, 239-260.	1.6	11
25	Electrochemical impedance characteristics and electroreduction of oxygen at tungsten carbide derived micromesoporous carbon electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2013, 689, 176-184.	1.9	22
26	Supercapacitors based on carbide-derived carbons synthesised using HCl and Cl ₂ as reactants. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 19-28.	1.2	42
27	Influence of Different Organic Solvent Additives on 1-ethyl-3-methylimidazolium Tetrafluoroborate Electrolyte Based Electrical Double Layer Capacitors. <i>Journal of the Electrochemical Society</i> , 2013, 160, A1741-A1745.	1.3	18
28	Electrical double layer capacitors based on 1-ethyl-3-methylimidazolium tetrafluoroborate with small addition of acetonitrile. <i>Electrochimica Acta</i> , 2012, 85, 139-144.	2.6	41
29	Influence of Room Temperature Ionic Liquid Anion Chemical Composition and Electrical Charge Delocalization on the Supercapacitor Properties. <i>Journal of the Electrochemical Society</i> , 2012, 159, A944-A951.	1.3	85
30	Is the mixture of 1-ethyl-3-methylimidazolium tetrafluoroborate and 1-butyl-3-methylimidazolium tetrafluoroborate applicable as electrolyte in electrical double layer capacitors?. <i>Electrochemistry Communications</i> , 2012, 22, 203-206.	2.3	65
31	Electrical Double Layer Capacitors Based on Two 1-Ethyl-3-Methylimidazolium Ionic Liquids with Different Anions. <i>Electrochemical and Solid-State Letters</i> , 2011, 14, A120.	2.2	52
32	Synthesis and Characterization of Carbide-Derived Carbons Prepared from Different Chromium Carbides. <i>ECS Meeting Abstracts</i> , 2011, , .	0.0	0
33	Mesoporous carbide-derived carbons prepared from different chromium carbides. <i>Microporous and Mesoporous Materials</i> , 2011, 141, 88-93.	2.2	55
34	Medium Temperature Solid Oxide Fuel Cells Based on Supporting Porous Anode and Bilayered Electrolyte. <i>ECS Transactions</i> , 2011, 35, 333-342.	0.3	0
35	Publisher's Note: Electrical Double Layer Capacitors Based on Two 1-Ethyl-3-methylimidazolium Ionic Liquids with Different Anions [Electrochem. Solid-State Lett., 14, A120 (2011)]. <i>Electrochemical and Solid-State Letters</i> , 2011, 14, S7.	2.2	1
36	Electrochemical Characteristics of Titanium Carbide Derived Carbon 1-Ethyl-3-Methylimidazolium Tetrafluoroborate Electrical Double Layer Capacitors. <i>ECS Transactions</i> , 2010, 25, 15-23.	0.3	6

#	ARTICLE	IF	CITATIONS
37	Substituted phosphonium cation based electrolytes for nonaqueous electrical double-layer capacitors. Journal of Materials Research, 2010, 25, 1447-1450.	1.2	15
38	Electrochemical and gas phase parameters of cathodes for intermediate temperature solid oxide fuel cells. Electrochimica Acta, 2010, 55, 7669-7678.	2.6	25
39	Novel doubly charged cation based electrolytes for non-aqueous supercapacitors. Electrochemistry Communications, 2010, 12, 535-539.	2.3	37
40	Characterization of Non-Aqueous Supercapacitors Based on Titanium Carbide Derived Carbon Electrodes and Novel Doubly Charged Cation Based Salts. ECS Transactions, 2010, 33, 47-54.	0.3	0
41	Electrochemical Characteristics of Carbide-Derived Carbon [®] 1-Ethyl-3-methylimidazolium Tetrafluoroborate Supercapacitor Cells. Journal of the Electrochemical Society, 2010, 157, A272.	1.3	102
42	Influence of Mesoporous Separator Properties on the Parameters of Electrical Double-Layer Capacitor Single Cells. Journal of the Electrochemical Society, 2009, 156, A334.	1.3	48
43	Medium Temperature Solid Oxide Fuel Cells Based on the Micro-Meso-Macro-Porous Cathodes and Anodes. ECS Transactions, 2009, 25, 325-333.	0.3	0
44	LiPF6 based ethylene carbonate [®] dimethyl carbonate electrolyte for high power density electrical double layer capacitor. Electrochimica Acta, 2009, 54, 4587-4594.	2.6	61
45	Nanoscale fine-tuning of porosity of carbide-derived carbon prepared from molybdenum carbide. Carbon, 2009, 47, 23-29.	5.4	128
46	Development of porous cathode powders for SOFC and influence of cathode structure on the oxygen electroreduction kinetics. Electrochemistry Communications, 2008, 10, 1455-1458.	2.3	15
47	Influence of Cathode Porosity on the Characteristics of Medium-Temperature SOFC Single Cells. ECS Transactions, 2008, 12, 293-302.	0.3	4
48	Solid Oxide Fuel Cells Based on the Nano-meso-macro-porous Cathodes and Anodes. ECS Meeting Abstracts, 2008, , .	0.0	0
49	Micro- and Mesoporous Carbide-Derived Carbon Materials and Polymer Membranes for Supercapacitors. ECS Transactions, 2008, 16, 57-67.	0.3	14
50	Characterization of Activated Nanoporous Carbon as Electrical Double Layer Capacitor Electrode Materials. ECS Transactions, 2007, 3, 39-48.	0.3	2
51	Influence of Cathode Porosity and Potential on Oxygen Reduction Kinetics at Intermediate Temperature SOFCs Cathodes. ECS Transactions, 2007, 7, 1071-1080.	0.3	3
52	Influence of Mesoporosity of the Anode on the Characteristics of Mediumtemperature SOFC Single Cells. ECS Transactions, 2007, 7, 1609-1616.	0.3	6
53	Advanced nanostructured carbon materials for electrical double layer capacitors. Journal of Physics: Conference Series, 2007, 93, 012002.	0.3	2
54	On the porosity of polypyrrole films. Synthetic Metals, 2007, 157, 1085-1090.	2.1	44

#	ARTICLE	IF	CITATIONS
55	Characterisation of activated nanoporous carbon for supercapacitor electrode materials. Carbon, 2007, 45, 1226-1233.	5.4	242