

Seong-Ho Yoon

List of Publications by Year in descending order

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170
papers

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#	ARTICLE	IF	CITATIONS
1	Thermophysical Characteristics of Novel Biomass-Derived Activated Carbon as a Function of Synthesis Parameters. <i>Heat Transfer Engineering</i> , 2022, 43, 1694-1707.	1.9	9
2	Study on the applicability of pressurized physically activated carbon as an adsorbent in adsorption heat pumps. <i>RSC Advances</i> , 2022, 12, 2558-2563.	3.6	4
3	Correlation between molecular stacking and anisotropic texture in spinnable mesophase pitch. <i>Carbon</i> , 2022, 192, 395-404.	10.3	13
4	Preparation of mesoporous activated carbon by preliminary oxidation of petroleum coke with hydrogen peroxide and its application in capacitive deionization. <i>Desalination</i> , 2022, 539, 115901.	8.2	7
5	Enhanced performance and durability of composite bipolar plate with surface modification of cactus-like carbon nanofibers. <i>Journal of Power Sources</i> , 2021, 482, 228903.	7.8	28
6	Molecular Behaviors on Asphaltenes during Atmospheric Residue Hydrodesulfurization. <i>Energy & Fuels</i> , 2021, 35, 13644-13653.	5.1	2
7	Structural pore elucidation of super-activated carbon based on the micro-domain structure model. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 101, 186-194.	5.8	3
8	Effect of pore size in activated carbon on the response characteristic of electric double layer capacitor. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 102, 321-326.	5.8	9
9	Pressurized physical activation: A simple production method for activated carbon with a highly developed pore structure. <i>Carbon</i> , 2021, 183, 735-742.	10.3	37
10	Preparation of Isotropic Carbon Fibers from Kerosene-Purified Coal Tar Pitch by Co-Carbonization with Pyrolysis Fuel Oil. <i>Materials</i> , 2021, 14, 6280.	2.9	3
11	Thermophysical and Adsorption Characteristics of Waste Biomass-Derived Activated Carbons. , 2020, , 617-628.		3
12	Effect of oxygen-introduced pitch precursor on the properties and structure evolution of isotropic pitch-based fibers during carbonization and graphitization. <i>Fuel Processing Technology</i> , 2020, 199, 106291.	7.2	14
13	Manufacturing spinnable mesophase pitch using direct coal extracted fraction and its derived mesophase pitch based carbon fiber. <i>Carbon</i> , 2020, 158, 922-929.	10.3	43
14	Behaviors of Cellulose-Based Activated Carbon Fiber for Acetaldehyde Adsorption at Low Concentration. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 25.	2.5	7
15	¹⁹ F <i>Ex Situ</i> Solid-State NMR Study on Structural Differences in Pores of Activated Carbon Series Derived from Chemical and Physical Activation Processes for EDLCs. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12457-12465.	3.1	6
16	A benchmark for CO ₂ uptake onto newly synthesized biomass-derived activated carbons. <i>Applied Energy</i> , 2020, 264, 114720.	10.1	53
17	Highly Chlorinated Polyvinyl Chloride as a Novel Precursor for Fibrous Carbon Material. <i>Polymers</i> , 2020, 12, 328.	4.5	6
18	Establishment of Innovative Carbon Nanofiber Synthesis Technology Utilizing Carbon Dioxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3844-3852.	6.7	6

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19	Environmental-friendly production of carbon fiber from isotropic hybrid pitches synthesized from waste biomass and polystyrene with ethylene bottom oil. <i>Journal of Cleaner Production</i> , 2019, 239, 118025.	9.3	17
20	Toward development of activated carbons with enhanced effective adsorption amount by control of activation process. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
21	Urea/nitric acid co-impregnated pitch-based activated carbon fiber for the effective removal of formaldehyde. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 98-105.	5.8	26
22	Interaction of Vanadyl Complexes in Atmospheric Residue with Their Matrixes: An ESR Study in a Temperature Range up to 170 Å°C. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20587-20593.	3.1	4
23	Changes in Composition and Molecular Structures of Atmospheric Residues during Hydrotreating. <i>Energy & Fuels</i> , 2019, 33, 10787-10794.	5.1	10
24	Improved understanding of the molecular structure of pyrolysis fuel oil: towards its utilization as a raw material for mesophase pitch synthesis. <i>Carbon Letters</i> , 2019, 29, 307-317.	5.9	12
25	Preparation and characterization of high-spinnability isotropic pitch from 1-methylnaphthalene-extracted low-rank coal by co-carbonization with petroleum residue. <i>Carbon</i> , 2019, 155, 186-194.	10.3	20
26	Synthesis of surface-replicated ultra-thin silica hollow nanofibers using structurally different carbon nanofibers as templates. <i>Journal of Solid State Chemistry</i> , 2019, 272, 21-26.	2.9	8
27	Controlling hierarchical porous structures of rice-husk-derived carbons for improved capacitive deionization performance. <i>Environmental Science: Nano</i> , 2019, 6, 916-924.	4.3	34
28	Structural effects on the enhancement of first-cycle Coulombic efficiency of mangrove-derived hard carbon as an anode material in sodium ion batteries. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	6
29	The Preparation and Properties of Isotropic Pitch-Based Carbon Felt Prepared by Solvent-Supported Dual Concentric Electrospinning. <i>Macromolecular Research</i> , 2019, 27, 1024-1029.	2.4	5
30	Ultra-deep Desulfurization Process of Diesel Fuel with Adsorption Treatment. <i>Journal of the Japan Petroleum Institute</i> , 2019, 62, 61-66.	0.6	3
31	Effect of the pre-treated pyrolysis fuel oil: coal tar pitch ratio on the spinnability and oxidation properties of isotropic pitch precursors and the mechanical properties of derived carbon fibers. <i>Carbon Letters</i> , 2019, 29, 193-202.	5.9	14
32	Shortening Stabilization Time Using Pressurized Air Flow in Manufacturing Mesophase Pitch-Based Carbon Fiber. <i>Polymers</i> , 2019, 11, 1911.	4.5	19
33	Correlation between the carbon structures and their tolerance to carbon corrosion as catalyst supports for polymer electrolyte fuel cells. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 6406-6412.	7.1	26
34	Specific Inhibition of the Hydrogenolysis of Benzylic C=O Bonds Using Palladium Nanoparticles Supported on Nitrogen-Doped Carbon Nanofibers. <i>ChemCatChem</i> , 2018, 10, 505-509.	3.7	7
35	Improving Spinnability of Hyper-Coal Derived Spinnable Pitch through the Hydrogenation with 1,2,3,4-Tetrahydroquinoline. <i>Journal of Carbon Research</i> , 2018, 4, 46.	2.7	1
36	Enhancing the oxidative stabilization of isotropic pitch precursors prepared through the co-carbonization of ethylene bottom oil and polyvinyl chloride. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 358-364.	5.8	16

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37	Hydrotreating Reactivities of Atmospheric Residues and Correlation with Their Composition and Properties. <i>Energy & Fuels</i> , 2018, 32, 6726-6736.	5.1	14
38	Preparation of isotropic pitch precursor for pitch-based carbon fiber through the co-carbonization of ethylene bottom oil and polyvinyl chloride. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 67, 276-283.	5.8	34
39	Adsorption of Difluoromethane (HFC-32) onto phenol resin based adsorbent: Theory and experiments. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 348-356.	4.8	22
40	Recognition and applications of hierarchical domain structural analysis for synthetic carbons. <i>Tanso</i> , 2018, 2018, 99-107.	0.1	4
41	Dimensional control of tubular-type carbon nanofibers via pyrolytic carbon coating. <i>Journal of Materials Science</i> , 2017, 52, 5165-5178.	3.7	2
42	Evolution of Phosphorus-Containing Groups on Activated Carbons during Heat Treatment. <i>Langmuir</i> , 2017, 33, 3112-3122.	3.5	68
43	Study toward high-performance thermally driven air-conditioning systems. <i>AIP Conference Proceedings</i> , 2017, . .	0.4	5
44	Ethanol adsorption uptake and kinetics onto waste palm trunk and mangrove based activated carbons. <i>Applied Thermal Engineering</i> , 2017, 122, 389-397.	6.0	44
45	Enhanced activity and durability of the oxygen reduction catalysts supported on the surface expanded tubular-type carbon nanofiber. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 192-200.	20.2	5
46	Highly graphitized carbon from non-graphitizable raw material and its formation mechanism based on domain theory. <i>Carbon</i> , 2017, 121, 301-308.	10.3	68
47	Effects of Blending and Heat-Treating on Composition and Distribution of SARA Fractions of Atmospheric Residues. <i>Energy & Fuels</i> , 2017, 31, 6637-6648.	5.1	10
48	Studying Rotational Mobility of $V\cdot O$ Complexes in Atmospheric Residues and Their Resins and Asphaltenes by Electron Spin Resonance. <i>Energy & Fuels</i> , 2017, 31, 4748-4757.	5.1	14
49	Study on biomass derived activated carbons for adsorptive heat pump application. <i>International Journal of Heat and Mass Transfer</i> , 2017, 110, 7-19.	4.8	85
50	Structural elucidation of physical and chemical activation mechanisms based on the microdomain structure model. <i>Carbon</i> , 2017, 114, 98-105.	10.3	97
51	Examining the molecular entanglement between $V\cdot O$ complexes and their matrices in atmospheric residues by ESR. <i>RSC Advances</i> , 2017, 7, 37908-37914.	3.6	11
52	Molecular simulation aided nanoporous carbon design for highly efficient low-concentrated formaldehyde capture. <i>Carbon</i> , 2017, 124, 152-160.	10.3	30
53	Preparation of isotropic spinnable pitch and carbon fiber by the bromination-dehydrobromination of biotar and ethylene bottom oil mixture. <i>Journal of Materials Science</i> , 2017, 52, 1165-1171.	3.7	26
54	Methanol-Tolerant Platinum-Palladium Catalyst Supported on Nitrogen-Doped Carbon Nanofiber for High Concentration Direct Methanol Fuel Cells. <i>Nanomaterials</i> , 2016, 6, 148.	4.1	15

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55	C4F8 plasma treatment as an effective route for improving rate performance of natural/synthetic graphite anodes in lithium ion batteries. <i>Carbon</i> , 2016, 103, 28-35.	10.3	40
56	Control of nitrogen content and its effects on the electrochemical behavior of nitrogen-doped carbon nanofibers. <i>Journal of Electroanalytical Chemistry</i> , 2016, 768, 34-40.	3.8	11
57	Preparation of pitch based carbon fibers using Hyper-coal as a raw material. <i>Carbon</i> , 2016, 106, 28-36.	10.3	69
58	Fast Water Relaxation through One-Dimensional Channels by Rapid Energy Transfer. <i>ChemPhysChem</i> , 2016, 17, 3409-3415.	2.1	5
59	An asymmetrical activated carbon electrode configuration for increased pore utilization in a membrane-assisted capacitive deionization system. <i>New Carbon Materials</i> , 2016, 31, 378-385.	6.1	5
60	Effect of heat pre-treatment conditions on the electrochemical properties of mangrove wood-derived hard carbon as an effective anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 213, 432-438.	5.2	31
61	Preparation of isotropic pitch-based carbon fiber using hyper coal through co-carbonation with ethylene bottom oil. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 34, 397-404.	5.8	44
62	Enhancement of the rate performance of plasma-treated platelet carbon nanofiber anodes in lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 4810-4817.	3.6	2
63	Fabrication of monolithic carbon nanofiber/carbon composites. <i>RSC Advances</i> , 2016, 6, 6443-6450.	3.6	5
64	Enhancing the tensile strength of isotropic pitch-based carbon fibers by improving the stabilization and carbonization properties of precursor pitch. <i>Carbon</i> , 2016, 99, 649-657.	10.3	67
65	Pitch-based carbon fibers from coal tar or petroleum residue under the same processing condition. <i>Carbon Letters</i> , 2016, 19, 72-78.	5.9	31
66	The crystalline and microstructural transformations of two coal ashes and their quenched slags with similar chemical compositions during heat treatment. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 22, 110-119.	5.8	10
67	Synthesis and characterization of high-softening-point methylene-bridged pitches by visible light irradiation assisted free-radical bromination. <i>Carbon</i> , 2015, 95, 780-788.	10.3	34
68	Coating of graphite anode with coal tar pitch as an effective precursor for enhancing the rate performance in Li-ion batteries: Effects of composition and softening points of coal tar pitch. <i>Carbon</i> , 2015, 94, 432-438.	10.3	109
69	Physical mixtures of Si nanoparticles and carbon nanofibers as anode materials for lithium-ion batteries. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 085001.	1.5	2
70	Adsorption of ethanol onto phenol resin based adsorbents for developing next generation cooling systems. <i>International Journal of Heat and Mass Transfer</i> , 2015, 81, 171-178.	4.8	78
71	The thermotropic liquid crystalline behavior of mesophase pitches with different chemical structures. <i>Carbon</i> , 2015, 81, 694-701.	10.3	60
72	Current features of traditional carbon materials. <i>Tanso</i> , 2015, 2015, 138-144.	0.1	0

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73	Low-temperature catalytic conversion of lignite: 1. Steam gasification using potassium carbonate supported on perovskite oxide. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 216-221.	5.8	20
74	Low-temperature catalytic conversion of lignite: 3. Tar reforming using the supported potassium carbonate. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 9-12.	5.8	19
75	Chemoselective Hydrogenation of Functionalized Nitroarenes and Imines by Using Carbon Nanofiber-Supported Iridium Nanoparticles. <i>Chemistry - an Asian Journal</i> , 2014, 9, 71-74.	3.3	22
76	Adsorption of ethanol onto parent and surface treated activated carbon powders. <i>International Journal of Heat and Mass Transfer</i> , 2014, 73, 445-455.	4.8	89
77	TiO ₂ -entrained tubular carbon nanofiber and its electrochemical properties in the rechargeable Na-ion battery system. <i>Applied Thermal Engineering</i> , 2014, 72, 309-314.	6.0	7
78	Quantitative analysis of BF ₄ ⁻ ions infiltrated into micropores of activated carbon fibers using nuclear magnetic resonance. <i>RSC Advances</i> , 2014, 4, 16726.	3.6	7
79	Influence of surface functionalities on ethanol adsorption characteristics in activated carbons for adsorption heat pumps. <i>Applied Thermal Engineering</i> , 2014, 72, 160-165.	6.0	21
80	Fe nanoparticle entrained in tubular carbon nanofiber as an effective electrode material for metal-air batteries: A fundamental reason. <i>Carbon</i> , 2014, 80, 698-707.	10.3	24
81	Low-temperature catalytic conversion of lignite: 2. Recovery and reuse of potassium carbonate supported on perovskite oxide in steam gasification. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 194-201.	5.8	12
82	Adsorption characteristics of ethanol onto functional activated carbons with controlled oxygen content. <i>Applied Thermal Engineering</i> , 2014, 72, 211-218.	6.0	64
83	Microstructural transformations of two representative slags at high temperatures and effects on the viscosity. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1338-1345.	5.8	29
84	Preparation of chestnut-like carbon and its application for electrodes with high specific capacitance. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 308-313.	20.2	5
85	Preparation of carbon fibers with excellent mechanical properties from isotropic pitches. <i>Carbon</i> , 2014, 77, 747-755.	10.3	83
86	Pitch based carbon fibers for automotive body and electrodes. <i>Carbon Letters</i> , 2014, 15, 162-170.	5.9	28
87	Nitrogen-doped ordered porous carbon catalyst for oxygen reduction reaction in proton exchange membrane fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2567-2577.	2.5	19
88	MAS, STMAS and DQMAS NMR Studies of the Thermal Transformation of Kaolinite. <i>Applied Magnetic Resonance</i> , 2013, 44, 1081-1094.	1.2	6
89	Activity and active sites of nitrogen-doped carbon nanotubes for oxygen reduction reaction. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 387-397.	2.9	46
90	Enhancing the rate performance of graphite anodes through addition of natural graphite/carbon nanofibers in lithium-ion batteries. <i>Electrochimica Acta</i> , 2013, 93, 236-240.	5.2	47

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91	Identification and quantification of (alkyl)benzenes in hydrocracked products of light cycle oil by GC-MS. Fuel, 2013, 111, 883-886.	6.4	9
92	Toward an effective adsorbent for polar pollutants: Formaldehyde adsorption by activated carbon. Journal of Hazardous Materials, 2013, 260, 82-88.	12.4	109
93	Mild hydrocracking of 1-methyl naphthalene (1-MN) over alumina modified zeolite. Journal of Industrial and Engineering Chemistry, 2013, 19, 627-632.	5.8	33
94	Hollow Fibers Networked with Perovskite Nanoparticles for H ₂ Production from Heavy Oil. Scientific Reports, 2013, 3, 2902.	3.3	35
95	Preparation of Novel Isotropic Pitch with High Softening Point and Solvent Solubility for Pitch-based Electrospun Carbon Nanofiber. Current Organic Chemistry, 2013, 17, 1463-1468.	1.6	37
96	Carbon nanofiber as a complementary functional material for use in the energy and environment fields. Tanso, 2013, 2013, 313-319.	0.1	0
97	Synthesis of silicon monoxide-carbon pyrolytic carbon-carbon nanofiber composites and their hybridization with natural graphite as a means of improving the anodic performance of lithium-ion batteries. Nanotechnology, 2012, 23, 355601.	2.6	4
98	Structure and electrochemical applications of boron-doped graphitized carbon nanofibers. Nanotechnology, 2012, 23, 315602.	2.6	7
99	Correlation between Fluidity Properties and Local Structures of Three Typical Asian Coal Ashes. Energy & Fuels, 2012, 26, 2136-2144.	5.1	31
100	Selective Partial Hydrogenation of Internal Alkynes by Using Palladium Nanoparticles Supported on Nitrogen-Doped Carbon Nanofiber. ChemCatChem, 2012, 4, 778-781.	3.7	41
101	Study on structural and compositional transitions of coal ash by using NMR. Science in China Series A: Mathematics, 2012, 18, 80-87.	0.2	5
102	Development of carbon-supported hybrid catalyst for clean removal of formaldehyde indoors. Catalysis Today, 2012, 185, 278-283.	4.4	39
103	Catalytic activity and activation mechanism of potassium carbonate supported on perovskite oxide for coal char combustion. Fuel, 2012, 94, 516-522.	6.4	44
104	Solid electrolyte interphase formation behavior on well-defined carbon surfaces for Li-ion battery systems. Electrochimica Acta, 2012, 77, 111-120.	5.2	5
105	Structural features of polyacrylonitrile-based carbon fibers. Journal of Materials Science, 2012, 47, 919-928.	3.7	54
106	Estimation of Mass Transfer Rate of Oxidant to Coal Char Particle Surface with Partial Oxidation Reaction in O ₂ /CO ₂ System. Kagaku Kogaku Ronbunshu, 2012, 38, 384-390.	0.3	1
107	Partially unzipped carbon nanotubes as a superior catalyst support for PEM fuel cells. Chemical Communications, 2011, 47, 9429.	4.1	34
108	Meso-channel Development in Graphitic Carbon Nanofibers with Various Structures. Chemistry of Materials, 2011, 23, 4141-4148.	6.7	14

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109	Kinetics and Mechanism Study of Low-Temperature Selective Catalytic Reduction of NO with Urea Supported on Pitch-Based Spherical Activated Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 6017-6027.	3.7	18
110	Fabrication of Uniform Graphene Discs <i>via</i> Transversal Cutting of Carbon Nanofibers. <i>ACS Nano</i> , 2011, 5, 6254-6261.	14.6	24
111	Removal of NO _x from air through cooperation of the TiO ₂ photocatalyst and urea on activated carbon fiber at room temperature. <i>Applied Catalysis B: Environmental</i> , 2011, 110, 273-278.	20.2	37
112	Platinum Nanoparticles Supported on Nitrogen-Doped Carbon Nanofibers as Efficient Poisoning Catalysts for the Hydrogenation of Nitroarenes. <i>ChemCatChem</i> , 2011, 3, 1578-1581.	3.7	76
113	Open-Ended, N-Doped Carbon Nanotube-Graphene Hybrid Nanostructures as High-Performance Catalyst Support. <i>Advanced Functional Materials</i> , 2011, 21, 999-1006.	14.9	358
114	Characteristics on HDS over amorphous silica-alumina in single and dual catalytic bed system for gas oil. <i>Catalysis Today</i> , 2011, 164, 100-106.	4.4	9
115	Electrochemical surface oxidation of carbon nanofibers. <i>Carbon</i> , 2011, 49, 96-105.	10.3	72
116	Hydro-conversion of 1-methyl naphthalene into (alkyl)benzenes over alumina-coated USY zeolite-supported NiMoS catalysts. <i>Fuel</i> , 2011, 90, 182-189.	6.4	47
117	Electrochemical Catalytic Activity for Oxygen Reduction Reaction of Nitrogen-Doped Carbon Nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 6350-6358.	0.9	18
118	Anode performance of boron-doped graphites prepared from shot and sponge cokes. <i>Journal of Power Sources</i> , 2010, 195, 1714-1719.	7.8	44
119	Activated carbon nanofiber produced from electrospun polyacrylonitrile nanofiber as a highly efficient formaldehyde adsorbent. <i>Carbon</i> , 2010, 48, 4248-4255.	10.3	211
120	An urchin-like graphite-based anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2010, 55, 5519-5522.	5.2	24
121	Structural Units and Their Periodicity in Carbon Nanotubes. <i>Small</i> , 2010, 6, 2526-2529.	10.0	4
122	Stepwise Growth of Decahedral and Icosahedral Silver Nanocrystals in DMF. <i>Crystal Growth and Design</i> , 2010, 10, 296-301.	3.0	93
123	Platinum catalysts supported on hydrothermally stable mesoporous aluminosilicate for the catalytic oxidation of polycyclic aromatic hydrocarbons (PAHs). <i>Catalysis Communications</i> , 2010, 11, 1068-1071.	3.3	9
124	Preparation of a carbon nanofiber/natural graphite composite and an evaluation of its electrochemical properties as an anode material for a Li-ion battery. <i>New Carbon Materials</i> , 2010, 25, 89-96.	6.1	14
125	Plugging problems observed in severe hydrocracking of vacuum residue. <i>Fuel</i> , 2009, 88, 663-669.	6.4	26
126	Effects of oxidation and heat treatment of acetylene blacks on their electrochemical double layer capacitances. <i>Carbon</i> , 2009, 47, 226-233.	10.3	17

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127	The preparation of a novel Siâ€“CNF composite as an effective anodic material for lithiumâ€“ion batteries. Carbon, 2009, 47, 3383-3391.	10.3	56
128	Rhodium Nanoparticles Supported on Carbon Nanofibers as an Arene Hydrogenation Catalyst Highly Tolerant to a Coexisting Epoxido Group. Organic Letters, 2009, 11, 5042-5045.	4.6	66
129	Pore Structure Analysis of Activated Carbon Fiber by Microdomain-Based Model. Langmuir, 2009, 25, 7631-7637.	3.5	72
130	Direct Synthesis and Structural Analysis of Nitrogen-Doped Carbon Nanofibers. Langmuir, 2009, 25, 8268-8273.	3.5	57
131	Morphological reason for enhancement of electrochemical double layer capacitances of various acetylene blacks by electrochemical polarization. Electrochimica Acta, 2008, 53, 5789-5795.	5.2	11
132	Isotherms and thermodynamics for the adsorption of n-butane on pitch based activated carbon. International Journal of Heat and Mass Transfer, 2008, 51, 1582-1589.	4.8	73
133	Fe ₂ O ₃ -filled carbon nanotubes as a negative electrode for an Feâ€“air battery. Journal of Power Sources, 2008, 178, 393-401.	7.8	68
134	Thermodynamic trends in the uptake capacity of porous adsorbents on methane and hydrogen. Applied Physics Letters, 2008, 92, 201911.	3.3	7
135	The Bimetallic Effects of Catalysts on the Syntheses of Thin Carbon Nanofibers. Journal of Physical Chemistry C, 2008, 112, 10050-10060.	3.1	9
136	Fast Preparation of PtRu Catalysts Supported on Carbon Nanofibers by the Microwave-Polyol Method and Their Application to Fuel Cells. Langmuir, 2007, 23, 387-390.	3.5	132
137	Removal of formaldehyde at low concentration using various activated carbon fibers. Journal of Applied Polymer Science, 2007, 106, 2151-2157.	2.6	92
138	Carbon nanofibers with radially oriented channels. Carbon, 2007, 45, 173-179.	10.3	12
139	Effect of metal-sulfide additives on electrochemical properties of nano-sized Fe ₂ O ₃ -loaded carbon for Fe/air battery anodes. Journal of Power Sources, 2007, 168, 522-532.	7.8	68
140	Carbon Nanofibers: A Novel Nanofiller for Nanofluid Applications. Small, 2007, 3, 1209-1213.	10.0	73
141	Ruthenium Nanoparticles on Nanoâ€“Levelâ€“Controlled Carbon Supports as Highly Effective Catalysts for Arene Hydrogenation. Chemistry - an Asian Journal, 2007, 2, 1524-1533.	3.3	72
142	Adsorption Rate of Ethanol on Activated Carbon Fiber. Journal of Chemical & Engineering Data, 2006, 51, 1587-1592.	1.9	42
143	KOH Activation of Needle Coke to Develop Activated Carbons for High-Performance EDLC. Energy & Fuels, 2006, 20, 1680-1684.	5.1	120
144	Electrochemical Capacitances of Well-Defined Carbon Surfaces. Langmuir, 2006, 22, 9086-9088.	3.5	104

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163	Mesoscopic Structure and Properties of Liquid Crystalline Mesophase Pitch and Its Transformation into Carbon Fiber. <i>Chemical Record</i> , 2002, 2, 81-101.	5.8	45
164	Li ⁺ storage sites in non-graphitizable carbons prepared from methylnaphthalene-derived isotropic pitches. <i>Carbon</i> , 2000, 38, 995-1001.	10.3	68
165	An EVS (electrochemical voltage spectroscopy) study for the comparison of graphitization behaviors of two petroleum needle cokes. <i>Carbon</i> , 2000, 38, 1261-1269.	10.3	17
166	Axial nano-scale microstructures in graphitized fibers inherited from liquid crystal mesophase pitch. <i>Carbon</i> , 1996, 34, 83-88.	10.3	45
167	Assessment and optimization of the stabilization process of mesophase pitch fibers by thermal analyses. <i>Carbon</i> , 1994, 32, 281-287.	10.3	51
168	The flow properties of mesophase pitches derived from methylnaphthalene and naphthalene in the temperature range of their spinning. <i>Carbon</i> , 1994, 32, 273-280.	10.3	48
169	Spinning characteristics of mesophase pitches derived from naphthalene and methylnaphthalene with HF/BF ₃ . <i>Carbon</i> , 1993, 31, 849-856.	10.3	44
170	Selective Synthesis of Carbon Nanofibers as Better Catalyst Supports for Low-temperature Fuel Cells. , 0, , 71-87.		1