

Jin Miyawaki

List of Publications by Year in descending order

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161
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	Achieving a Carbon Neutral Future through Advanced Functional Materials and Technologies. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 73-103.	3.2	39
4	Correlation between molecular stacking and anisotropic texture in spinnable mesophase pitch. <i>Carbon</i> , 2022, 192, 395-404.	10.3	13
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	Carbon from Bagasse Activated with Water Vapor and Its Adsorption Performance for Methylene Blue. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 678.	2.5	25
7	Highly Microporous Activated Carbon from Acorn Nutshells and its Performance in Water Vapor Adsorption. <i>Evergreen</i> , 2021, 8, 249-254.	0.5	3
8	Effect of blending on hydrotreating reactivities of atmospheric residues: Synergistic effects. <i>Fuel</i> , 2021, 293, 120429.	6.4	6
9	Theoretical dehumidification capacity of acorn nutshell-based activated carbon under two Asian urban cities'™ ambient air condition. <i>International Journal of Refrigeration</i> , 2021, 131, 137-145.	3.4	4
10	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
11	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
12	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
13	Development of biomass based-activated carbon for adsorption dehumidification. <i>Energy Reports</i> , 2021, 7, 5871-5884.	5.1	17
14	Thermophysical and Adsorption Characteristics of Waste Biomass-Derived Activated Carbons. , 2020, , 617-628.		3
15	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
16	Behaviors of Cellulose-Based Activated Carbon Fiber for Acetaldehyde Adsorption at Low Concentration. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 25.	2.5	7
17	Enhancing water adsorption capacity of acorn nutshell based activated carbon for adsorption thermal energy storage application. <i>Energy Reports</i> , 2020, 6, 255-263.	5.1	34
18	Pore-size-selective control of surface properties of porous carbons by molecular masking. <i>Carbon</i> , 2020, 170, 380-383.	10.3	2

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19	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
20	A benchmark for CO ₂ uptake onto newly synthesized biomass-derived activated carbons. <i>Applied Energy</i> , 2020, 264, 114720.	10.1	53
21	Highly Chlorinated Polyvinyl Chloride as a Novel Precursor for Fibrous Carbon Material. <i>Polymers</i> , 2020, 12, 328.	4.5	6
22	Establishment of Innovative Carbon Nanofiber Synthesis Technology Utilizing Carbon Dioxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3844-3852.	6.7	6
23	Cation induced microstructure and viscosity variation of molten synthetic slag analyzed by solid-state NMR. <i>Fuel</i> , 2020, 267, 117310.	6.4	12
24	Carbon Waste Powder Prepared from Carbon Rod Waste of Zinc-Carbon Batteries for Methyl Orange Adsorption. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2020, 15, 66-73.	1.1	2
25	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
26	Toward development of activated carbons with enhanced effective adsorption amount by control of activation process. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
27	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
28	Enhancement of First Cycle Coulombic Efficiency of Hard Carbon Derived from Eucalyptus in a Sodium Ion Battery. <i>Chemistry Letters</i> , 2019, 48, 753-755.	1.3	10
29	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
30	Modification of thermal transport in an individual carbon nanofiber by focused ion beam irradiation. <i>Carbon</i> , 2019, 153, 539-544.	10.3	7
31	Changes in Composition and Molecular Structures of Atmospheric Residues during Hydrotreating. <i>Energy & Fuels</i> , 2019, 33, 10787-10794.	5.1	10
32	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
33	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
34	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
35	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
36	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

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37	Shortening Stabilization Time Using Pressurized Air Flow in Manufacturing Mesophase Pitch-Based Carbon Fiber. <i>Polymers</i> , 2019, 11, 1911.	4.5	19
38	Optimization of the calcination temperature for the solvent-deficient synthesis of nanocrystalline gamma-alumina. <i>Chemical Papers</i> , 2019, 73, 901-907.	2.2	2
39	Calcination effect of borate-bearing hydroxyapatite on the mobility of borate. <i>Journal of Hazardous Materials</i> , 2018, 344, 90-97.	12.4	7
40	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
41	Hydrotreating Reactivities of Atmospheric Residues and Correlation with Their Composition and Properties. <i>Energy & Fuels</i> , 2018, 32, 6726-6736.	5.1	14
42	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
43	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
44	Solvent-deficient synthesis of nanocrystalline Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O _{3-δ} powder. <i>Processing and Application of Ceramics</i> , 2018, 12, 342-349.	0.8	6
45	Recognition and applications of hierarchical domain structural analysis for synthetic carbons. <i>Tanso</i> , 2018, 2018, 99-107.	0.1	4
46	Dimensional control of tubular-type carbon nanofibers via pyrolytic carbon coating. <i>Journal of Materials Science</i> , 2017, 52, 5165-5178.	3.7	2
47	Study toward high-performance thermally driven air-conditioning systems. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	5
48	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
49	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
50	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
51	Studying Rotational Mobility of V π -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
52	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
53	Structural elucidation of physical and chemical activation mechanisms based on the microdomain structure model. <i>Carbon</i> , 2017, 114, 98-105.	10.3	97
54	Examining the molecular entanglement between V π -O complexes and their matrices in atmospheric residues by ESR. <i>RSC Advances</i> , 2017, 7, 37908-37914.	3.6	11

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55	Molecular simulation aided nanoporous carbon design for highly efficient low-concentrated formaldehyde capture. <i>Carbon</i> , 2017, 124, 152-160.	10.3	30
56	Enhancement of fluoride immobilization in apatite by Al ³⁺ additives. <i>Chemical Engineering Journal</i> , 2017, 311, 284-292.	12.7	7
57	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
58	Improvement of Electric Conductivity of Non-graphitizable Carbon Material via Breaking-down and Merging of the Microdomains. <i>Evergreen</i> , 2017, 4, 16-20.	0.5	0
59	Interfacial effects of MgO in hydroxylated calcined dolomite on the co-precipitation of borates with hydroxyapatite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 1-10.	4.7	6
60	C ₄ F ₈ 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
61	Preparation of pitch based carbon fibers using Hyper-coal as a raw material. <i>Carbon</i> , 2016, 106, 28-36.	10.3	69
62	Fast Water Relaxation through One-Dimensional Channels by Rapid Energy Transfer. <i>ChemPhysChem</i> , 2016, 17, 3409-3415.	2.1	5
63	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
64	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
65	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
66	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
67	Removal mechanism of high concentration borate by co-precipitation with hydroxyapatite. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1092-1101.	6.7	16
68	Influence of Pore Size and Surface Functionality of Activated Carbons on Adsorption Behaviors of Indole and Amylase. <i>Evergreen</i> , 2016, 3, 17-24.	0.5	2
69	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
70	Analysis of the transformation behaviors of a Chinese coal ash using <i>in situ</i> XRD and SEM–EDX. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2015, 10, 105-111.	1.5	6
71	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
72	Mechanism of boron uptake by hydrocalumite calcined at different temperatures. <i>Journal of Hazardous Materials</i> , 2015, 287, 268-277.	12.4	35

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73	Effect of the Size and Position of Ion-Accessible Nanoholes on the Specific Capacitance of Single-Walled Carbon Nanohorns for Supercapacitor Applications. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2935-2940.	3.1	32
74	Sorption of $H_3BO_3/B(OH)_4^-$ on calcined LDHs including different divalent metals. <i>Journal of Colloid and Interface Science</i> , 2015, 445, 183-194.	9.4	34
75	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
76	Sorption properties of boron on Mg-Al bimetallic oxides calcined at different temperatures. <i>Separation and Purification Technology</i> , 2015, 152, 192-199.	7.9	5
77	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
78	Current features of traditional carbon materials. <i>Tanso</i> , 2015, 2015, 138-144.	0.1	0
79	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
80	Contribution of boron-specific resins containing N-methylglucamine groups to immobilization of borate/boric acid in a permeable reactive barrier comprising agglomerated MgO. <i>Desalination</i> , 2014, 337, 109-116.	8.2	11
81	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
82	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
83	Direct Detection of Al ³⁺ Structure in Aluminosilicate Specimens: A Use of Homo-Nuclear DQMAS NMR. <i>Applied Magnetic Resonance</i> , 2014, 45, 111-123.	1.2	7
84	Hydrotreatment of two atmospheric residues from Kuwait Export and Lower Fars crude oils. <i>Fuel</i> , 2014, 117, 191-197.	6.4	11
85	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
86	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
87	Two-Dimensional Materials as Emulsion Stabilizers: Interfacial Thermodynamics and Molecular Barrier Properties. <i>Langmuir</i> , 2014, 30, 3687-3696.	3.5	95
88	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
89	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
90	Sorption of borate onto layered double hydroxides assembled on filter paper through in situ hydrothermal crystallization. <i>Applied Clay Science</i> , 2014, 88-89, 134-143.	5.2	5

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91	Insights into the functional group transformation of a chinese brown coal during slow pyrolysis by combining various experiments. <i>Fuel</i> , 2014, 118, 257-264.	6.4	163
92	One-step synthesis of layered double hydroxide-intercalated gluconate for removal of borate. <i>Separation and Purification Technology</i> , 2014, 123, 114-123.	7.9	27
93	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
94	Adsorption characteristics of ethanol onto functional activated carbons with controlled oxygen content. <i>Applied Thermal Engineering</i> , 2014, 72, 211-218.	6.0	64
95	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
96	Preparation of carbon fibers with excellent mechanical properties from isotropic pitches. <i>Carbon</i> , 2014, 77, 747-755.	10.3	83
97	MAS, STMAS and DQMAS NMR Studies of the Thermal Transformation of Kaolinite. <i>Applied Magnetic Resonance</i> , 2013, 44, 1081-1094.	1.2	6
98	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
99	Analysis of water in Loy Yang brown coal using solid-state ^1H NMR. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1673-1679.	5.8	21
100	Hydrotreating of light cycle oil over NiMo and CoMo catalysts with different supports. <i>Fuel Processing Technology</i> , 2013, 109, 172-178.	7.2	58
101	Temperature effect on the sorption of borate by a layered double hydroxide prepared using dolomite as a magnesium source. <i>Chemical Engineering Journal</i> , 2013, 225, 664-672.	12.7	26
102	Toward an effective adsorbent for polar pollutants: Formaldehyde adsorption by activated carbon. <i>Journal of Hazardous Materials</i> , 2013, 260, 82-88.	12.4	109
103	Fluidized bed drying of Loy Yang brown coal with variation of temperature, relative humidity, fluidization velocity and formulation of its drying rate. <i>Fuel</i> , 2013, 105, 415-424.	6.4	43
104	Mild hydrocracking of 1-methyl naphthalene (1-MN) over alumina modified zeolite. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 627-632.	5.8	33
105	Catalytic Steam Gasification of Waste Palm Tree Trunk Derived Bio-Char. <i>Applied Mechanics and Materials</i> , 2013, 315, 252-259.	0.2	0
106	Characteristic Sorption of H_2O , BO_3 , $\text{B}(\text{OH})_4$ and H_2O on Magnesium Oxide. <i>Materials Transactions</i> , 2013, 54, 1809-1817.	1.6	32
107	Preparation of Novel Isotropic Pitch with High Softening Point and Solvent Solubility for Pitch-based Electrospun Carbon Nanofiber. <i>Current Organic Chemistry</i> , 2013, 17, 1463-1468.	1.6	37
108	Low Temperature Catalytic Steam Gasification of Waste Palm Trunk by Pottasium Carbonate Supported on Perovskite Oxide. <i>Advanced Materials Research</i> , 2012, 626, 551-558.	0.3	0

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109	Synthesis of silicon monoxideâ€“pyrolytic carbonâ€“carbon nanofiber composites and their hybridization with natural graphite as a means of improving the anodic performance of lithium-ion batteries. <i>Nanotechnology</i> , 2012, 23, 355601.	2.6	4
110	Structure and electrochemical applications of boron-doped graphitized carbon nanofibers. <i>Nanotechnology</i> , 2012, 23, 315602.	2.6	7
111	Correlation between Fluidity Properties and Local Structures of Three Typical Asian Coal Ashes. <i>Energy & Fuels</i> , 2012, 26, 2136-2144.	5.1	31
112	High magnetic field solidâ€“state NMR analyses by combining MAS, MQâ€“MAS, homoâ€“nuclear and heteroâ€“nuclear correlation experiments. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 289-294.	1.9	4
113	Study on structural and compositional transitions of coal ash by using NMR. <i>Science in China Series A: Mathematics</i> , 2012, 18, 80-87.	0.2	5
114	Development of carbon-supported hybrid catalyst for clean removal of formaldehyde indoors. <i>Catalysis Today</i> , 2012, 185, 278-283.	4.4	39
115	Catalytic activity and activation mechanism of potassium carbonate supported on perovskite oxide for coal char combustion. <i>Fuel</i> , 2012, 94, 516-522.	6.4	44
116	Solid electrolyte interphase formation behavior on well-defined carbon surfaces for Li-ion battery systems. <i>Electrochimica Acta</i> , 2012, 77, 111-120.	5.2	5
117	Structural features of polyacrylonitrile-based carbon fibers. <i>Journal of Materials Science</i> , 2012, 47, 919-928.	3.7	54
118	Estimation of Mass Transfer Rate of Oxidant to Coal Char Particle Surface with Partial Oxidation Reaction in O ₂ /CO ₂ System. <i>Kagaku Kogaku Ronbunshu</i> , 2012, 38, 384-390.	0.3	1
119	Partially unzipped carbon nanotubes as a superior catalyst support for PEM fuel cells. <i>Chemical Communications</i> , 2011, 47, 9429.	4.1	34
120	Meso-channel Development in Graphitic Carbon Nanofibers with Various Structures. <i>Chemistry of Materials</i> , 2011, 23, 4141-4148.	6.7	14
121	Graphitization behaviour of chemically derived graphene sheets. <i>Nanoscale</i> , 2011, 3, 3652.	5.6	39
122	Fabrication of Uniform Graphene Discs <i>via</i> Transversal Cutting of Carbon Nanofibers. <i>ACS Nano</i> , 2011, 5, 6254-6261.	14.6	24
123	Histological assessments for toxicity and functionalization-dependent biodistribution of carbon nanohorns. <i>Nanotechnology</i> , 2011, 22, 265106.	2.6	51
124	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
125	Openâ€“Ended, Nâ€“Doped Carbon Nanotubeâ€“Graphene Hybrid Nanostructures as Highâ€“Performance Catalyst Support. <i>Advanced Functional Materials</i> , 2011, 21, 999-1006.	14.9	358
126	Characteristics on HDS over amorphous silicaâ€“alumina in single and dual catalytic bed system for gas oil. <i>Catalysis Today</i> , 2011, 164, 100-106.	4.4	9

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127	Electrochemical surface oxidation of carbon nanofibers. Carbon, 2011, 49, 96-105.	10.3	72
128	Hydro-conversion of 1-methyl naphthalene into (alkyl)benzenes over alumina-coated USY zeolite-supported NiMoS catalysts. Fuel, 2011, 90, 182-189.	6.4	47
129	Catalytic oxidation of polycyclic aromatic hydrocarbons (PAHs) over SBA-15 supported metal catalysts. Journal of Industrial and Engineering Chemistry, 2011, 17, 271-276.	5.8	18
130	Activated carbon nanofiber produced from electrospun polyacrylonitrile nanofiber as a highly efficient formaldehyde adsorbent. Carbon, 2010, 48, 4248-4255.	10.3	211
131	Structural Units and Their Periodicity in Carbon Nanotubes. Small, 2010, 6, 2526-2529.	10.0	4
132	Preparation of Nitrogen-Doped Graphene Sheets by a Combined Chemical and Hydrothermal Reduction of Graphene Oxide. Langmuir, 2010, 26, 16096-16102.	3.5	665
133	Platinum catalysts supported on hydrothermally stable mesoporous aluminosilicate for the catalytic oxidation of polycyclic aromatic hydrocarbons (PAHs). Catalysis Communications, 2010, 11, 1068-1071.	3.3	9
134	Preparation of a carbon nanofiber/natural graphite composite and an evaluation of its electrochemical properties as an anode material for a Li-ion battery. New Carbon Materials, 2010, 25, 89-96.	6.1	14
135	Highly Efficient Field Emission from Carbon Nanotube~Nanohorn Hybrids Prepared by Chemical Vapor Deposition. ACS Nano, 2010, 4, 7337-7343.	14.6	38
136	The preparation of a novel Si~CNF composite as an effective anodic material for lithium~ion batteries. Carbon, 2009, 47, 3383-3391.	10.3	56
137	Hidden Caves in an Aggregate of Single-Wall Carbon Nanohorns Found by Using Gd ₂ O ₃ Probes. Journal of Physical Chemistry C, 2009, 113, 2741-2744.	3.1	24
138	Biodistribution and Ultrastructural Localization of Single-Walled Carbon Nanohorns Determined In Vivo with Embedded Gd ₂ O ₃ Labels. ACS Nano, 2009, 3, 1399-1406.	14.6	79
139	Pore Structure Analysis of Activated Carbon Fiber by Microdomain-Based Model. Langmuir, 2009, 25, 7631-7637.	3.5	72
140	Effect of hole size on the incorporation of C ₆₀ molecules inside single-wall carbon nanohorns and their release. Carbon, 2008, 46, 1792-1794.	10.3	78
141	Toxicity of Single-Walled Carbon Nanohorns. ACS Nano, 2008, 2, 213-226.	14.6	223
142	Adsorption Phenomena of Tetracyano- <i>p</i> -quinodimethane on Single-Wall Carbon Nanohorns. Journal of Physical Chemistry C, 2008, 112, 5416-5422.	3.1	14
143	Close~Open~Close Evolution of Holes at the Tips of Conical Graphenes of Single-Wall Carbon Nanohorns. Journal of Physical Chemistry C, 2008, 112, 8600-8603.	3.1	16
144	Organic-Vapor-Induced Repeatable Entrance and Exit of C ₆₀ into/from Single-Wall Carbon Nanohorns at Room Temperature. Journal of Physical Chemistry C, 2007, 111, 9719-9722.	3.1	6

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145	Evidence of Thermal Closing of Atomic-Vacancy Holes in Single-Wall Carbon Nanohorns. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1553-1555.	3.1	30
146	Light-Assisted Oxidation of Single-Wall Carbon Nanohorns for Abundant Creation of Oxygenated Groups That Enable Chemical Modifications with Proteins To Enhance Biocompatibility. <i>ACS Nano</i> , 2007, 1, 265-272.	14.6	107
147	Plugging and Unplugging Holes of Single-Wall Carbon Nanohorns. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7348-7351.	3.1	16
148	Synthesis of Ultrafine Gd ₂ O ₃ Nanoparticles Inside Single-Wall Carbon Nanohorns. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5179-5181.	2.6	73
149	Control of Hole Opening in Single-Wall Carbon Nanotubes and Single-Wall Carbon Nanohorns Using Oxygen. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1587-1591.	2.6	121
150	Effect of Functional Groups at Hole Edges on Cisplatin Release from Inside Single-Wall Carbon Nanohorns. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5773-5778.	2.6	79
151	High-density of methane confined in internal nanospace of single-wall carbon nanohorns. <i>Carbon</i> , 2005, 43, 2826-2830.	10.3	29
152	Opening Mechanism of Internal Nanoporosity of Single-Wall Carbon Nanohorn. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14319-14324.	2.6	130
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