

Hirotoimo Nishihara

List of Publications by Year in descending order

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138
papers

6,758
citations

71102

41
h-index

64796

79
g-index

150
all docs

150
docs citations

150
times ranked

7249
citing authors

#	ARTICLE	IF	CITATIONS
1	Helically Aligned Fused Carbon Hollow Nanospheres with Chiral Discrimination Ability. <i>Nanoscale</i> , 2022, , .	5.6	1
2	Porous nanographene formation on γ -alumina nanoparticles <i>via</i> transition-metal-free methane activation. <i>Chemical Science</i> , 2022, 13, 3140-3146.	7.4	8
3	Ordered carbonaceous frameworks: a new class of carbon materials with molecular-level design. <i>Chemical Communications</i> , 2022, 58, 3578-3590.	4.1	14
4	Aligned Macroporous Monoliths by Ice-Templating. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 611-620.	3.2	16
5	In-Depth Analysis of Key Factors Affecting the Catalysis of Oxidized Carbon Blacks for Cellulose Hydrolysis. <i>ACS Catalysis</i> , 2022, 12, 892-905.	11.2	19
6	Giant Carbon Nano-Test Tubes as Versatile Imaging Vessels for High-Resolution and In Situ Observation of Proteins. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 26507-26516.	8.0	5
7	Coordination chemistry for innovative carbon-related materials. <i>Coordination Chemistry Reviews</i> , 2022, 466, 214577.	18.8	5
8	Synthesis of microporous polymers with exposed C_{60} surfaces by polyesterification of fullerene. <i>Chemical Communications</i> , 2022, 58, 7086-7089.	4.1	3
9	Adsorption properties of templated nanoporous carbons comprising $1\ \mu\text{m}^2$ graphene layers. , 2022, 1, 123-135.		4
10	Synthesis and electrocatalysis of ordered carbonaceous frameworks from Ni porphyrin with four ethynyl groups. <i>Catalysis Today</i> , 2022, , .	4.4	1
11	Iron porphyrin-derived ordered carbonaceous frameworks. <i>Catalysis Today</i> , 2021, 364, 164-171.	4.4	12
12	pH-Dependent Morphology Control of Cellulose Nanofiber/Graphene Oxide Cryogels. <i>Small</i> , 2021, 17, e2005564.	10.0	20
13	Scalable nanoporous carbon films allow line-of-sight 3D atomic layer deposition of Pt: towards a new generation catalyst layer for PEM fuel cells. <i>Materials Horizons</i> , 2021, 8, 2451-2462.	12.2	20
14	Synthesis of graphene mesosponge <i>via</i> catalytic methane decomposition on magnesium oxide. <i>Journal of Materials Chemistry A</i> , 2021, 9, 14296-14308.	10.3	42
15	Force-responsive ordered carbonaceous frameworks synthesized from Ni-porphyrin. <i>Chemical Communications</i> , 2021, 57, 6007-6010.	4.1	10
16	Pillar[6]quinone: facile synthesis, crystal structures and electrochemical properties. <i>Chemical Communications</i> , 2021, 57, 6360-6363.	4.1	7
17	Elucidation of oxygen reduction reaction and nanostructure of platinum-loaded graphene mesosponge for polymer electrolyte fuel cell electrocatalyst. <i>Electrochimica Acta</i> , 2021, 370, 137705.	5.2	13
18	One-Step Fabrication of Homogeneous Ta_3N_5 Crystal Photoanodes Using TaF_5 Evaporation Supply for Photoelectrochemical Water Splitting. <i>ACS Applied Energy Materials</i> , 2021, 4, 2690-2695.	5.1	3

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19	Lamellar MXene Composite Aerogels with Sandwiched Carbon Nanotubes Enable Stable Lithium–Sulfur Batteries with a High Sulfur Loading. <i>Advanced Functional Materials</i> , 2021, 31, 2100793.	14.9	95
20	The carbonization of aromatic molecules with three-dimensional structures affords carbon materials with controlled pore sizes at the Å...ngstrom-level. <i>Communications Chemistry</i> , 2021, 4, .	4.5	17
21	A volatile redox mediator boosts the long-cycle performance of lithium-oxygen batteries. <i>Energy Storage Materials</i> , 2021, 38, 571-580.	18.0	14
22	Nano-Confinement of Insulating Sulfur in the Cathode Composite of All-Solid-State Li–S Batteries Using Flexible Carbon Materials with Large Pore Volumes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38613-38622.	8.0	16
23	Edgeless porous carbon coating for durable and powerful lead-carbon batteries. <i>Carbon</i> , 2021, 185, 419-427.	10.3	12
24	High-density monolithic pellets of double-sided graphene fragments based on zeolite-templated carbon. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7503-7507.	10.3	17
25	Development of a simple NLDFT model for the analysis of adsorption isotherms on zeolite templated carbon (ZTC). <i>Carbon</i> , 2020, 169, 205-213.	10.3	7
26	Pyrene–Thiol–modified Pd Nanoparticles on Carbon Support: Kinetic Control by Steric Hinderance and Improved Stability by the Catalyst–Support Interaction. <i>ChemCatChem</i> , 2020, 12, 5880-5887.	3.7	11
27	Carbon-rich materials with three-dimensional ordering at the angstrom level. <i>Chemical Science</i> , 2020, 11, 5866-5873.	7.4	28
28	Unusual Redox Behavior of Ruthenocene Confined in the Micropores of Activated Carbon. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15205-15215.	3.1	11
29	Quantifying Carbon Edge Sites on Depressing Hydrogen Evolution Reaction Activity. <i>Nano Letters</i> , 2020, 20, 5885-5892.	9.1	23
30	Effect of carbon surface on degradation of supercapacitors in a negative potential range. <i>Journal of Power Sources</i> , 2020, 457, 228042.	7.8	26
31	Synthesis of Ordered Carbonaceous Framework with Microporosity from Porphyrin with Ethynyl Groups. <i>Chemistry Letters</i> , 2020, 49, 619-623.	1.3	14
32	4.4 V supercapacitors based on super-stable mesoporous carbon sheet made of edge-free graphene walls. <i>Energy and Environmental Science</i> , 2019, 12, 1542-1549.	30.8	154
33	Force-driven reversible liquid–gas phase transition mediated by elastic nanosponges. <i>Nature Communications</i> , 2019, 10, 2559.	12.8	46
34	A Simple “Nano-Templating” Method Using Zeolite Y Toward the Formation of Carbon Schwarzites. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	14
35	A Directional Strain Sensor Based on Anisotropic Microhoneycomb Cellulose Nanofiber–Carbon Nanotube Hybrid Aerogels Prepared by Unidirectional Freeze Drying. <i>Small</i> , 2019, 15, e1805363.	10.0	73
36	Insight into the origin of carbon corrosion in positive electrodes of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7480-7488.	10.3	62

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37	Structural Coloration of a Colloidal Amorphous Array is Intensified by Carbon Nanolayers. <i>Langmuir</i> , 2018, 34, 4282-4288.	3.5	11
38	A Nacre-Like Carbon Nanotube Sheet for High Performance Li-Polysulfide Batteries with High Sulfur Loading. <i>Advanced Science</i> , 2018, 5, 1800384.	11.2	39
39	Zeolite-templated carbons – three-dimensional microporous graphene frameworks. <i>Chemical Communications</i> , 2018, 54, 5648-5673.	4.1	172
40	Enhanced hydrogen spillover to fullerene at ambient temperature. <i>Chemical Communications</i> , 2018, 54, 3327-3330.	4.1	24
41	Microsphere Assemblies via Phosphonate Monoester Coordination Chemistry. <i>Chemistry - A European Journal</i> , 2018, 24, 1533-1538.	3.3	7
42	Graphene-based ordered framework with a diverse range of carbon polygons formed in zeolite nanochannels. <i>Carbon</i> , 2018, 129, 854-862.	10.3	70
43	Ultraporous nitrogen-doped zeolite-templated carbon for high power density aqueous-based supercapacitors. <i>Carbon</i> , 2018, 129, 510-519.	10.3	79
44	Microhoneycomb Monoliths Prepared by the Unidirectional Freeze-drying of Cellulose Nanofiber Based Sols: Method and Extensions. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	1
45	Enhanced hydrogen chemisorption and spillover on non-metallic nickel subnanoclusters. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12523-12531.	10.3	17
46	Central metal dependent modulation of induced-fit gas uptake in molecular porphyrin solids. <i>Chemical Communications</i> , 2018, 54, 7822-7825.	4.1	2
47	Synthesis of zeolite-templated carbons for methane storage: A molecular simulation study. <i>Tanso</i> , 2018, 2018, 197-203.	0.1	4
48	Beads-Milling of Waste Si Sawdust into High-Performance Nanoflakes for Lithium-Ion Batteries. <i>Scientific Reports</i> , 2017, 7, 42734.	3.3	39
49	Improvement of Cyclability of Li-Ion Batteries Using C-Coated Si Nanopowder Electrode Fabricated from Si Swarf with Limitation of Delithiation Capacity. <i>Journal of the Electrochemical Society</i> , 2017, 164, A995-A1001.	2.9	8
50	Fabrication of Si nanopowder from Si swarf and application to high-capacity and low cost Li-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 720, 529-540.	5.5	14
51	Fine Dispersion of Pt ₅ Subnanoclusters and Pt Single Atoms over Porous Carbon Supports and Their Structural Analyses with X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7892-7902.	3.1	36
52	Synthesis of ordered carbonaceous frameworks from organic crystals. <i>Nature Communications</i> , 2017, 8, 109.	12.8	60
53	Boron and nitrogen co-doped ordered microporous carbons with high surface areas. <i>Chemical Communications</i> , 2017, 53, 13348-13351.	4.1	21
54	Formation mechanism of zeolite-templated carbons. <i>Tanso</i> , 2017, 2017, 169-174.	0.1	27

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55	Vanadium Ion Redox Reactions in a Three-Dimensional Network of Reduced Graphite Oxide. <i>ChemElectroChem</i> , 2016, 3, 650-657.	3.4	16
56	Remarkable performance improvement of inexpensive ball-milled Si nanoparticles by carbon-coating for Li-ion batteries. <i>Journal of Power Sources</i> , 2016, 319, 99-103.	7.8	34
57	An organic proton battery employing two redox-active quinones trapped within the nanochannels of zeolite-templated carbon. <i>Carbon</i> , 2016, 107, 831-836.	10.3	52
58	Nuclear magnetic resonance study of zeolite-templated carbon. <i>Synthetic Metals</i> , 2016, 221, 149-152.	3.9	6
59	Synthesis and Photoproperties of Edge-functionalized Zeolite-templated Carbon with Bromine or Carbazole Groups. <i>Chemistry Letters</i> , 2016, 45, 601-603.	1.3	8
60	Oxidation-Resistant and Elastic Mesoporous Carbon with Single-Layer Graphene Walls. <i>Advanced Functional Materials</i> , 2016, 26, 6418-6427.	14.9	102
61	Cellulose Nanofiber as a Distinct Structure-Directing Agent for Xylem-like Microhoneycomb Monoliths by Unidirectional Freeze-Drying. <i>ACS Nano</i> , 2016, 10, 10689-10697.	14.6	115
62	Effect of Heteroatoms in Ordered Microporous Carbons on Their Electrochemical Capacitance. <i>Langmuir</i> , 2016, 32, 11997-12004.	3.5	45
63	Easy fabrication of superporous zeolite templated carbon electrodes by electrospraying on rigid and flexible substrates. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4610-4618.	10.3	14
64	Successful functionalization of superporous zeolite templated carbon using aminobenzene acids and electrochemical methods. <i>Carbon</i> , 2016, 99, 157-166.	10.3	17
65	Innen-Äktitelbild: Porous Carbon Fibers Containing Pores with Sizes Controlled at the Ångstrom Level by the Cavity Size of Pillar[6]arene (<i>Angew. Chem.</i> 22/2015). <i>Angewandte Chemie</i> , 2015, 127, 6751-6751.	2.0	0
66	Porous Carbon Fibers Containing Pores with Sizes Controlled at the Ångstrom Level by the Cavity Size of Pillar[6]arene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6466-6469.	13.8	60
67	Formation of Foam-like Microstructural Carbon Material by Carbonization of Porous Coordination Polymers through a Ligand-Assisted Foaming Process. <i>Chemistry - A European Journal</i> , 2015, 21, 13278-13283.	3.3	14
68	Li-Rich Li-Si Alloy As A Lithium-Containing Negative Electrode Material Towards High Energy Lithium-Ion Batteries. <i>Scientific Reports</i> , 2015, 5, 8085.	3.3	53
69	Control of pore distribution of porous carbons derived from Mg ²⁺ porous coordination polymers. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 473-476.	6.0	21
70	Characterization of a zeolite-templated carbon by electrochemical quartz crystal microbalance and in situ Raman spectroscopy. <i>Carbon</i> , 2015, 89, 63-73.	10.3	22
71	Enhanced electro-oxidation resistance of carbon electrodes induced by phosphorus surface groups. <i>Carbon</i> , 2015, 95, 681-689.	10.3	76
72	Pseudocapacitance of zeolite-templated carbon in organic electrolytes. <i>Energy Storage Materials</i> , 2015, 1, 35-41.	18.0	41

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73	Photocatalytic performance of TiO ₂ zeolite templated carbon composites in organic contaminant degradation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25004-25007.	2.8	27
74	Carbon tubules containing nanocrystalline SiC produced by the graphitization of sugar cane bagasse. <i>Carbon</i> , 2014, 68, 814-817.	10.3	1
75	Conversion of silica nanoparticles into Si nanocrystals through electrochemical reduction. <i>Nanoscale</i> , 2014, 6, 10574-10583.	5.6	16
76	Experimental and Theoretical Studies of Hydrogen/Deuterium Spillover on Pt-Loaded Zeolite-Templated Carbon. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9551-9559.	3.1	32
77	Carbon carbon asymmetric aqueous capacitor by pseudocapacitive positive and stable negative electrodes. <i>Carbon</i> , 2014, 67, 792-794.	10.3	23
78	Large Pseudocapacitance in Quinone-Functionalized Zeolite-Templated Carbon. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 250-257.	3.2	78
79	Preparation of Highly Dispersed Pt Nanoparticles Supported on Zeolite-templated Carbon and Catalytic Application in Hydrogenation Reaction. <i>Chemistry Letters</i> , 2014, 43, 1794-1796.	1.3	13
80	Production of Colored Pigments with Amorphous Arrays of Black and White Colloidal Particles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7261-7265.	13.8	262
81	Amorphous water in three-dimensional confinement of zeolite-templated carbon. <i>Chemical Physics Letters</i> , 2013, 571, 54-60.	2.6	15
82	Towards ultrahigh volumetric capacitance: graphene derived highly dense but porous carbons for supercapacitors. <i>Scientific Reports</i> , 2013, 3, 2975.	3.3	541
83	Reversible Pore Size Control of Elastic Microporous Material by Mechanical Force. <i>Chemistry - A European Journal</i> , 2013, 19, 13009-13016.	3.3	23
84	Binderless thin films of zeolite-templated carbon electrodes useful for electrochemical microcapacitors with ultrahigh rate performance. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10331.	2.8	21
85	Fast and reversible lithium storage in a wrinkled structure formed from Si nanoparticles during lithiation/delithiation cycling. <i>Journal of Power Sources</i> , 2013, 222, 400-409.	7.8	59
86	Formation of crosslinked-fullerene-like framework as negative replica of zeolite Y. <i>Carbon</i> , 2013, 62, 455-464.	10.3	66
87	Electrochemical generation of oxygen-containing groups in an ordered microporous zeolite-templated carbon. <i>Carbon</i> , 2013, 54, 94-104.	10.3	62
88	Magnetic properties of host guest material using network of curved nanocarbon sheet. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 1436-1439.	4.0	9
89	Energy Storage: Templated Nanocarbons for Energy Storage (<i>Adv. Mater.</i> 33/2012). <i>Advanced Materials</i> , 2012, 24, 4466-4466.	21.0	5
90	Effect of Buffer Size around Nanosilicon Anode Particles for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6004-6011.	3.1	77

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91	General Relationship between Hydrogen Adsorption Capacities at 77 and 298 K and Pore Characteristics of the Porous Adsorbents. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10529-10540.	3.1	50
92	Production of l-theanine using glutaminase encapsulated in carbon-coated mesoporous silica with high pH stability. <i>Biochemical Engineering Journal</i> , 2012, 68, 207-214.	3.6	30
93	Zeolite-Templated Carbon – Its Unique Characteristics and Applications. , 2012, , 295-322.		13
94	Templated Nanocarbons for Energy Storage. <i>Advanced Materials</i> , 2012, 24, 4473-4498.	21.0	672
95	Fabrication of a Highly Conductive Ordered Porous Electrode by Carbon-Coating of a Continuous Mesoporous Silica Film. <i>Chemistry of Materials</i> , 2011, 23, 3144-3151.	6.7	31
96	Path integral molecular dynamics for hydrogen adsorption site of zeolite-templated carbon with semi-empirical PM3 potential. <i>Computational and Theoretical Chemistry</i> , 2011, 975, 128-133.	2.5	11
97	Nuclear quantum effect on hydrogen adsorption site of zeolite-templated carbon model using path integral molecular dynamics. <i>Journal of Alloys and Compounds</i> , 2011, 509, S868-S871.	5.5	6
98	Three-Dimensionally Arrayed and Mutually Connected 1.2-nm Nanopores for High-Performance Electric Double Layer Capacitor. <i>Journal of the American Chemical Society</i> , 2011, 133, 1165-1167.	13.7	260
99	Phase Diagram of 4He Film in 3D Nanopores of ZTC. <i>Journal of Low Temperature Physics</i> , 2011, 162, 565-572.	1.4	6
100	Isotope effect of proton and deuteron adsorption site on zeolite-templated carbon using path integral molecular dynamics. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 1039-1042.	1.4	4
101	Template synthesis of carbon-based uniform nanoporous materials and their applications for energy storage. <i>Tanso</i> , 2011, 2011, 89-95.	0.1	7
102	Adsorption and diffusion of atomic hydrogen on a curved surface of microporous carbon: A theoretical study. <i>Chemical Physics Letters</i> , 2010, 495, 251-255.	2.6	37
103	Fabrication and characterization of magnetic nanoporous zeolite templated carbon. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 565-568.	4.0	12
104	Helium Film Formed in 1.2 nm Pore in Zeolite Templated Carbon. <i>Journal of Low Temperature Physics</i> , 2010, 158, 275-280.	1.4	5
105	Assembling of nanoparticles using ice crystals. <i>Materials Chemistry and Physics</i> , 2010, 123, 347-350.	4.0	10
106	Preparation of titania-silica cryogels with controlled shapes and photocatalysis through unidirectional freezing. <i>Materials Letters</i> , 2010, 64, 959-961.	2.6	27
107	Carbon-coated mesoporous silica as an electrode material. <i>Microporous and Mesoporous Materials</i> , 2010, 132, 421-427.	4.4	28
108	Structure and magnetic properties of curved graphene networks and the effects of bromine and potassium adsorption. <i>Physical Review B</i> , 2010, 81, .	3.2	33

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109	Investigation of the Ion Storage/Transfer Behavior in an Electrical Double-Layer Capacitor by Using Ordered Microporous Carbons as Model Materials. <i>Chemistry - A European Journal</i> , 2009, 15, 5355-5363.	3.3	155
110	A possible bucky bowl-like structure of zeolite templated carbon. <i>Carbon</i> , 2009, 47, 1220-1230.	10.3	243
111	Enhancement Mechanism of Electrochemical Capacitance in Nitrogen-/Boron-Doped Carbons with Uniform Straight Nanochannels. <i>Langmuir</i> , 2009, 25, 11961-11968.	3.5	195
112	High-Pressure Hydrogen Storage in Zeolite-Templated Carbon. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3189-3196.	3.1	181
113	Water-dispersible "carbon nanopods" with controllable graphene layer orientation. <i>Chemical Communications</i> , 2009, , 4554.	4.1	7
114	Control of Acid-Site Location of MFI Zeolite by Catalytic Cracking of Silane and Its Application to Olefin Synthesis from Acetone. <i>Journal of Chemical Engineering of Japan</i> , 2009, 42, S162-S167.	0.6	16
115	Submicron mesoporous carbon spheres by ultrasonic emulsification. <i>Journal of Porous Materials</i> , 2008, 15, 265-270.	2.6	14
116	Morphology maps of ice-templated silica gels derived from silica hydrogels and hydrosols. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 166-170.	4.4	42
117	Carbon-coated mesoporous silica with hydrophobicity and electrical conductivity. <i>Carbon</i> , 2008, 46, 48-53.	10.3	70
118	Synthesis of silica-based porous monoliths with straight nanochannels using an ice-rod nanoarray as a template. <i>Journal of Materials Chemistry</i> , 2008, 18, 3662.	6.7	45
119	Electronic structure studies of carbon materials by high energy-resolution carbon K-emission spectroscopy measurements. <i>Microscopy and Microanalysis</i> , 2008, 14, 796-797.	0.4	0
120	Synthesis of nano-carbons by using the template method. <i>Tanso</i> , 2008, 2008, 307-315.	0.1	2
121	Carbon deposition into nanospace through CVD. <i>Tanso</i> , 2007, 2007, 345-351.	0.1	0
122	Densification of ordered microporous carbons and controlling their micropore size by hot-pressing. <i>Carbon</i> , 2007, 45, 2011-2016.	10.3	51
123	CONTROLLING MICROMORPHOLOGY OF SILICA GELS BY UNIDIRECTIONAL FREEZING AND FREEZE DRYING. , 2007, , .		0
124	Preparation of monolithic SiO ₂ -Al ₂ O ₃ cryogels with inter-connected macropores through ice templating. <i>Journal of Materials Chemistry</i> , 2006, 16, 3231-3236.	6.7	58
125	Preparation of resorcinol formaldehyde (RF) carbon gels: Use of ultrasonic irradiation followed by microwave drying. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 5683-5686.	3.1	42
126	Porous microfibers and microhoneycombs synthesized by ice templating. <i>Catalysis Surveys From Asia</i> , 2006, 10, 161-171.	2.6	25

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127	Improvement of mesoporosity of carbon cryogels by ultrasonic irradiation. Carbon, 2005, 43, 525-531.	10.3	37
128	Morphology of resorcinolâ€“formaldehyde gels obtained through ice-templating. Carbon, 2005, 43, 1563-1565.	10.3	55
129	Preparation of mesoporous carbon gels from an inexpensive combination of phenol and formaldehyde. Carbon, 2005, 43, 2628-2630.	10.3	47
130	3D interconnected macroporous carbon monoliths prepared by ultrasonic irradiation. Carbon, 2005, 43, 2808-2811.	10.3	28
131	Ordered Macroporous Silica by Ice Templating. Chemistry of Materials, 2005, 17, 683-689.	6.7	221
132	Preparation of resorcinolâ€“formaldehyde carbon cryogel microhoneycombs. Carbon, 2004, 42, 899-901.	10.3	76
133	Formation of unique nanowhiskers on carbon gels. Carbon, 2004, 42, 2119-2121.	10.3	0
134	Preparation of Porous TiO ₂ Cryogel Fibers through Unidirectional Freezing of Hydrogel Followed by Freeze-Drying. Chemistry of Materials, 2004, 16, 4987-4991.	6.7	89
135	Formation of monolithic silica gel microhoneycombs (SMHs) using pseudosteady state growth of microstructural ice crystals. Chemical Communications, 2004, , 874.	4.1	172
136	Influence of surfactants on porous properties of carbon cryogels prepared by solâ€“gel polycondensation of resorcinol and formaldehyde. Carbon, 2003, 41, 2981-2990.	10.3	28
137	Porous properties of silica gels with controlled morphology synthesized by unidirectional freeze-gelation. Microporous and Mesoporous Materials, 2003, 63, 43-51.	4.4	68
138	Nanoscale characterization of the siteâ€“specific degradation of electric doubleâ€“layer capacitor using scanning electrochemical cell microscopy. Electrochemical Science Advances, 0, , e2100053.	2.8	2