

# Hirofumi Kanoh

## List of Publications by Year in descending order

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227  
docs citations

227  
times ranked

11255  
citing authors

#	ARTICLE	IF	CITATIONS
1	Colorless Magnetic Colloidal Particles Based on an Amorphous Metal-Organic Framework Using Holmium as the Metal Species.. ChemNanoMat, 2022, 8, .	1.5	2
2	Front Cover: Colorless Magnetic Colloidal Particles Based on an Amorphous Metal-Organic Framework Using Holmium as the Metal Species. (ChemNanoMat 7/2022). ChemNanoMat, 2022, 8, .	1.5	0
3	Calorimetric Study of the CO <sub>2</sub> Gate Sorption of Elastic Layer-Structured Metal-Organic Frameworks (ELM-11 and ELM-12). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, , 129745.	2.3	2
4	Poly- $\beta$ -Ketoester Particles as a Versatile Scaffold for Lanthanide-Doped Colorless Magnetic Materials. ACS Applied Polymer Materials, 2020, 2, 2170-2178.	2.0	7
5	Full-Color Magnetic Nanoparticles Based on Holmium-Doped Polymers. ACS Applied Polymer Materials, 2020, 2, 1800-1806.	2.0	10
6	Adsorption Properties of Methane, Ethane, and Hexane on Mesoporous Organic Polymers Prepared by the Flash Freezing Method. Langmuir, 2020, 36, 2184-2190.	1.6	2
7	A flexible two-dimensional layered metal-organic framework functionalized with (trifluoromethyl)trifluoroborate: synthesis, crystal structure, and adsorption/separation properties. Dalton Transactions, 2020, 49, 3692-3699.	1.6	17
8	CO <sub>2</sub> Capture by a K <sub>2</sub> CO <sub>3</sub> -Carbon Composite under Moist Conditions. Industrial & Engineering Chemistry Research, 2020, 59, 3405-3412.	1.8	10
9	Structural Dynamics of An ELM-11 Framework Transformation Accompanied with Double-Step CO <sub>2</sub> Gate sorption: An NMR Spin Relaxation Study. Crystals, 2020, 10, 328.	1.0	2
10	Advantaging Synergy Photocatalysis with Graphene-Related Carbon as a Counterpart Player of Titania. Chemical Record, 2019, 19, 1393-1406.	2.9	10
11	Preparation of the Na <sub>2</sub> CO <sub>3</sub> -Carbon Nanocomposite and Its CO <sub>2</sub> Capture. Energy & Fuels, 2018, 32, 12689-12694.	2.5	4
12	Fundamentals in CO <sub>2</sub> capture of Na <sub>2</sub> CO <sub>3</sub> under a moist condition. Journal of Energy Chemistry, 2017, 26, 972-983.	7.1	13
13	Nanostructured silicon ferromagnet collected by a permanent neodymium magnet. Chemical Communications, 2017, 53, 12882-12885.	2.2	0
14	CO <sub>2</sub> Capture by Carbon Aerogel-Potassium Carbonate Nanocomposites. International Journal of Chemical Engineering, 2016, 2016, 1-8.	1.4	8
15	Double-Step Gate Phenomenon in CO <sub>2</sub> Sorption of an Elastic Layer-Structured MOF. Langmuir, 2016, 32, 9722-9726.	1.6	29
16	Fabrication of highly ultramicroporous carbon nanofoams by SF <sub>6</sub> -catalyzed laser-induced chemical vapor deposition. Chemical Physics Letters, 2016, 652, 199-202.	1.2	0
17	Systematic sorption studies of camptothecin on oxidized single-walled carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 490, 121-132.	2.3	11
18	Wide Carbon Nanopores as Efficient Sites for the Separation of SF <sub>6</sub> from N <sub>2</sub> . Scientific Reports, 2015, 5, 11994.	1.6	21

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19	Temperature-Dependent Double-Step CO <sub>2</sub> Occlusion of K <sub>2</sub> CO <sub>3</sub> under Moist Conditions. <i>Adsorption Science and Technology</i> , 2015, 33, 243-250.	1.5	10
20	Recyclable Poly[Zn <sub>3</sub> (OAc) <sub>4</sub> ] <sub>3</sub> ·3H <sub>2</sub> O-Bis(aminoimino)binaphthoxide Catalyst for Asymmetric Iodolactonization. <i>ChemCatChem</i> , 2015, 7, 3234-3238.	1.8	15
21	Adsorption properties of an activated carbon for 18 cytokines and HMGB1 from inflammatory model plasma. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 58-62.	2.5	14
22	Kinetics and Structural Changes in CO <sub>2</sub> Capture of K <sub>2</sub> CO <sub>3</sub> under a Moist Condition. <i>Energy &amp; Fuels</i> , 2015, 29, 4472-4478.	2.5	32
23	Effects of Hydrophobic Nanospaces on Structures of Lysozyme. <i>Adsorption Science and Technology</i> , 2015, 33, 63-69.	1.5	3
24	Pore-size dependent effects on structure and vibrations of 1-ethyl-3-methylimidazolium tetrafluoroborate in nanoporous carbon. <i>Chemical Physics Letters</i> , 2015, 636, 129-133.	1.2	8
25	A new route to nanoscale ceramics in asymmetric reaction fields of carbon nanospaces. <i>RSC Advances</i> , 2014, 4, 32647-32650.	1.7	2
26	Influence of surface functionalities on ethanol adsorption characteristics in activated carbons for adsorption heat pumps. <i>Applied Thermal Engineering</i> , 2014, 72, 160-165.	3.0	21
27	Rapid Water Transportation through Narrow One-Dimensional Channels by Restricted Hydrogen Bonds. <i>Langmuir</i> , 2013, 29, 1077-1082.	1.6	40
28	Mechanism of Sequential Water Transportation by Water Loading and Release in Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1211-1215.	2.1	18
29	Energetic contribution to hydration shells in one-dimensional aqueous electrolyte solution by anomalous hydrogen bonds. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5658.	1.3	14
30	Vertically Oriented Propylene Carbonate Molecules and Tetraethyl Ammonium Ions in Carbon Slit Pores. <i>Journal of Physical Chemistry C</i> , 2013, 117, 5752-5757.	1.5	25
31	Grand canonical Monte Carlo simulations of nitrogen adsorption on graphene materials with varying layer number. <i>Carbon</i> , 2013, 61, 40-46.	5.4	26
32	Thermal-Treatment-Induced Enhancement in Effective Surface Area of Single-Walled Carbon Nanohorns for Supercapacitor Application. <i>Journal of Physical Chemistry C</i> , 2013, 117, 25877-25883.	1.5	39
33	Electron Density Modification of Single Wall Carbon Nanotubes (SWCNT) by Liquid-Phase Molecular Adsorption of Hexaiodobenzene. <i>Materials</i> , 2013, 6, 535-543.	1.3	11
34	Temperature dependence of water structure in carbon nanotubes. <i>Tanso</i> , 2013, 2013, 195-200.	0.1	0
35	Magnetically Separable Cu-Carboxylate MOF Catalyst for the Henry Reaction. <i>Synlett</i> , 2012, 23, 1549-1553.	1.0	24
36	CO <sub>2</sub> Adsorption Properties of Activated Carbon Fibres under Ambient Conditions. <i>Adsorption Science and Technology</i> , 2012, 30, 621-626.	1.5	6

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37	Significant Hydration Shell Formation Instead of Hydrogen Bonds in Nanoconfined Aqueous Electrolyte Solutions. <i>Journal of the American Chemical Society</i> , 2012, 134, 17850-17853.	6.6	33
38	Diffusion-Barrier-Free Porous Carbon Monoliths as a New Form of Activated Carbon. <i>ChemSusChem</i> , 2012, 5, 2271-2277.	3.6	8
39	Predominant nanoscale growth in single-walled carbon nanotubes by water-vapor loading. <i>RSC Advances</i> , 2012, 2, 3634.	1.7	14
40	Quantum Molecular Sieving Effects of H <sub>2</sub> and D <sub>2</sub> on Bundled and Nonbundled Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20918-20922.	1.5	31
41	Intensive Edge Effects of Nanographenes in Molecular Adsorptions. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 511-516.	2.1	35
42	Facilitation of Water Penetration through Zero-Dimensional Gates on Rolled-up Graphene by Cluster-Chain-Cluster Transformations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12339-12345.	1.5	12
43	Enhanced CO <sub>2</sub> Adsorptivity of Partially Charged Single Walled Carbon Nanotubes by Methylene Blue Encapsulation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11216-11222.	1.5	14
44	Cooperative Adsorption of Supercritical CH <sub>4</sub> in Single-Walled Carbon Nanohorns for Compensation of Nanopore Potential. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21870-21873.	1.5	8
45	Preparation and Characterization of Conducting Mixed-Valence 9,9'-Dimethyl-3,3'-bicyanazole Rectangular Nanowires. <i>Langmuir</i> , 2012, 28, 16430-16435.	1.6	6
46	Formation of CO <sub>x</sub> -Free H <sub>2</sub> and Cup-Stacked Carbon Nanotubes over Nano-Ni Dispersed Single Wall Carbon Nanohorns. <i>Langmuir</i> , 2012, 28, 7564-7571.	1.6	10
47	Gas Adsorption Mechanism and Kinetics of an Elastic Layer-Structured Metal-Organic Framework. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4157-4162.	1.5	44
48	Pyrolyzed phthalocyanines as surrogate carbon catalysts: Initial insights into oxygen-transfer mechanisms. <i>Fuel</i> , 2012, 99, 106-117.	3.4	27
49	Cadmium(II) adsorption using functional mesoporous silica and activated carbon. <i>Journal of Hazardous Materials</i> , 2012, 221-222, 220-227.	6.5	119
50	Structural Change Accompanied by Gas Sorption of Coordination Polymers (Metal-Organic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T 108-112.	0.0	0
51	Confinement in Carbon Nanospace-Induced Production of KI Nanocrystals of High-Pressure Phase. <i>Journal of the American Chemical Society</i> , 2011, 133, 10344-10347.	6.6	86
52	Super Flexibility of a 2D Cu-Based Porous Coordination Framework on Gas Adsorption in Comparison with a 3D Framework of Identical Composition: Framework Dimensionality-Dependent Gas Adsorptivities. <i>Journal of the American Chemical Society</i> , 2011, 133, 10512-10522.	6.6	112
53	Marked Adsorption Irreversibility of Graphitic Nanoribbons for CO <sub>2</sub> and H <sub>2</sub> O. <i>Journal of the American Chemical Society</i> , 2011, 133, 14880-14883.	6.6	62
54	Anomaly of CH <sub>4</sub> Molecular Assembly Confined in Single-Wall Carbon Nanohorn Spaces. <i>Journal of the American Chemical Society</i> , 2011, 133, 2022-2024.	6.6	33

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55	Superuniform Molecular Nanogate Fabrication on Graphene Sheets of Single Wall Carbon Nanohorns for Selective Molecular Separation of CO <sub>2</sub> and CH <sub>4</sub> . Chemistry Letters, 2011, 40, 1089-1091.	0.7	23
56	Hydrogen absorption enhancement of nanocrystalline Li <sub>3</sub> N/Li <sub>2</sub> C <sub>2</sub> composite. International Journal of Hydrogen Energy, 2011, 36, 12902-12908.	3.8	6
57	Tuning of Gate Opening of an Elastic Layered Structure MOF in CO <sub>2</sub> Sorption with a Trace of Alcohol Molecules. Langmuir, 2011, 27, 6905-6909.	1.6	54
58	Effect of nanoscale curvature sign and bundle structure on supercritical H <sub>2</sub> and CH <sub>4</sub> adsorptivity of single wall carbon nanotube. Adsorption, 2011, 17, 643-651.	1.4	11
59	Electronically modified single wall carbon nanohorns with iodine adsorption. Chemical Physics Letters, 2011, 501, 485-490.	1.2	17
60	Supercritical Hydrogen Adsorptivity of Amorphous Carbon Mesotubes. Adsorption Science and Technology, 2011, 29, 819-829.	1.5	1
61	Pore-Width-Dependent Preferential Interaction of sp <sup>2</sup> Carbon Atoms in Cyclohexene with Graphitic Slit Pores by GCMC Simulation. Journal of Nanomaterials, 2011, 2011, 1-7.	1.5	3
62	Local Ordered Structure of Propylene Carbonate in Slit-Shaped Carbon Nanopores by GCMC Simulation. ISRN Nanotechnology, 2011, 2011, 1-5.	1.3	7
63	Fuel Cell-Related Reaction Activities of Nanoporous Metallic Platinum. Adsorption Science and Technology, 2010, 28, 39-47.	1.5	0
64	Equilibration-time and pore-width dependent hysteresis of water adsorption isotherm on hydrophobic microporous carbons. Carbon, 2010, 48, 305-308.	5.4	69
65	Flexible Two-Dimensional Square-Grid Coordination Polymers: Structures and Functions. International Journal of Molecular Sciences, 2010, 11, 3803-3845.	1.8	113
66	Selective D <sub>2</sub> adsorption enhanced by the quantum sieving effect on entangled single-wall carbon nanotubes. Journal of Physics Condensed Matter, 2010, 22, 334207.	0.7	21
67	Effect of a Quaternary Ammonium Salt on Propylene Carbonate Structure in Slit-Shape Carbon Nanopores. Journal of the American Chemical Society, 2010, 132, 2112-2113.	6.6	49
68	Evidence of Dynamic Pentagon~Heptagon Pairs in Single-Wall Carbon Nanotubes using Surface-Enhanced Raman Scattering. Journal of the American Chemical Society, 2010, 132, 6764-6767.	6.6	41
69	Dynamic Changes in Dimensional Structures of Co-Complex Crystals. Inorganic Chemistry, 2010, 49, 9247-9252.	1.9	37
70	Metal-Independent Gas Sorptivity of Elastic Layer-Structured MOFs. Chemistry - A European Journal, 2009, 15, 7549-7553.	1.7	68
71	Fine pore mouth structure of molecular sieve carbon with GCMC-assisted supercritical gas adsorption analysis. Adsorption, 2009, 15, 114-122.	1.4	12
72	Quantum Effects on Hydrogen Isotopes Adsorption in Nanopores. Journal of Low Temperature Physics, 2009, 157, 352-373.	0.6	38

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73	Elastic layer-structured metal organic frameworks (ELMs). Journal of Colloid and Interface Science, 2009, 334, 1-7.	5.0	104
74	Efficient production of H <sub>2</sub> and carbon nanotube from CH <sub>4</sub> over single wall carbon nanohorn. Chemical Physics Letters, 2009, 482, 269-273.	1.2	12
75	Reversible Structural Change of Cu-MOF on Exposure to Water and Its CO <sub>2</sub> Adsorptivity. Langmuir, 2009, 25, 4510-4513.	1.6	90
76	Physico-Chemical Properties of Iodine-Adsorbed Single-Walled Carbon Nanotubes. Langmuir, 2009, 25, 1795-1799.	1.6	16
77	Unique Hydrogen-Bonded Structure of Water around Ca Ions Confined in Carbon Slit Pores. Journal of Physical Chemistry C, 2009, 113, 12622-12624.	1.5	23
78	Enhanced Hydrogen Adsorptivity of Single-Wall Carbon Nanotube Bundles by One-Step C <sub>60</sub> -Pillaring Method. Nano Letters, 2009, 9, 3694-3698.	4.5	35
79	Adsorptivities of Extremely High Surface Area Activated Carbon Fibres for CH <sub>4</sub> and H <sub>2</sub> . Adsorption Science and Technology, 2009, 27, 877-881.	1.5	13
80	Fundamental Understanding of Nanoporous Carbons for Energy Application Potentials. Carbon Letters, 2009, 10, 177-180.	3.3	6
81	Organic-Inorganic Hybrid Polymer-Encapsulated Magnetic Nanobead Catalysts. Chemistry - A European Journal, 2008, 14, 882-885.	1.7	58
82	Flexible transparent conducting single-wall carbon nanotube film with network bridging method. Journal of Colloid and Interface Science, 2008, 318, 365-371.	5.0	87
83	Nanoporosities and catalytic activities of Pd-tailored single wall carbon nanohorns. Journal of Colloid and Interface Science, 2008, 322, 209-214.	5.0	18
84	Comparative examination of titania nanocrystals synthesized by peroxy titanate approach from different precursors. Journal of Colloid and Interface Science, 2008, 322, 497-504.	5.0	33
85	Catalytic activities of Pd-tailored single wall carbon nanohorns. Carbon, 2008, 46, 172-175.	5.4	34
86	Enhancement of H <sub>2</sub> and CH <sub>4</sub> adsorptivities of single wall carbon nanotubes produced by mixed acid treatment. Carbon, 2008, 46, 611-617.	5.4	36
87	Bulk Production of a New Form of sp <sup>2</sup> Carbon: Crystalline Graphene Nanoribbons. Nano Letters, 2008, 8, 2773-2778.	4.5	588
88	Fine Nanostructure Analysis of Single-Wall Carbon Nanohorns by Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2008, 112, 7552-7556.	1.5	27
89	Quantum Sieving Effect of Three-Dimensional Cu-Based Organic Framework for H <sub>2</sub> and D <sub>2</sub> . Journal of the American Chemical Society, 2008, 130, 6367-6372.	6.6	94
90	Mechanochemically Induced sp <sup>3</sup> -Bond-Associated Reconstruction of Single-Wall Carbon Nanohorns. Journal of Physical Chemistry C, 2008, 112, 8759-8762.	1.5	9

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91	Coordinated NH <sub>3</sub> -Removal-Induced Hydrogen Adsorption of Cu-Complex Crystals. <i>Langmuir</i> , 2008, 24, 170-174.	1.6	10
92	High capacitance carbon-based xerogel film produced without critical drying. <i>Applied Physics Letters</i> , 2008, 93, 193112.	1.5	16
93	Mesoporous Ni-Fe Alloys. <i>Adsorption Science and Technology</i> , 2008, 26, 581-588.	1.5	0
94	Characterization of alkaline post-treated ZSM-5 zeolites by low temperature nitrogen adsorption. <i>Studies in Surface Science and Catalysis</i> , 2007, , 279-286.	1.5	4
95	Adsorptive Properties of Novel Nanoporous Materials. <i>Journal of Chemical Engineering of Japan</i> , 2007, 40, 1159-1165.	0.3	2
96	Room-temperature Formation of Alkoxide-derived Anatase Nanoparticles by Peroxotitanic Acid Approach. <i>Chemistry Letters</i> , 2007, 36, 1094-1095.	0.7	5
97	Direct Evidence on C-C Single Bonding in Single-Wall Carbon Nanohorn Aggregates. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5572-5575.	1.5	104
98	Clathrate Formation Mechanism of Supercritical Hydrogen Adsorption on Copper(II) Benzoate Pyrazine. <i>Langmuir</i> , 2007, 23, 5264-5266.	1.6	11
99	Nanoscale Curvature Effect on Ordering of N <sub>2</sub> Molecules Adsorbed on Single Wall Carbon Nanotube. <i>Journal of Physical Chemistry C</i> , 2007, 111, 15660-15663.	1.5	26
100	Conductive and Mesoporous Single-Wall Carbon Nanohorn/Organic Aerogel Composites. <i>Langmuir</i> , 2007, 23, 9155-9157.	1.6	45
101	Magnetism of Organic Radical Molecules Confined in Nanospace of Single-Wall Carbon Nanohorn. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10213-10216.	1.5	8
102	Evaluation of an Effective Gas Storage Amount of Latent Nanoporous Cu-Based Metal-Organic Framework. <i>Journal of Physical Chemistry C</i> , 2007, 111, 248-254.	1.5	47
103	Supercritical Hydrogen Adsorption of Ultramicropore-Enriched Single-Wall Carbon Nanotube Sheet. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17448-17450.	1.5	22
104	Double-Step Gas Sorption of a Two-Dimensional Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2007, 129, 12362-12363.	6.6	189
105	Novel Nanostructures of Porous Carbon Synthesized with Zeolite LTA-Template and Methanol. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2459-2464.	1.5	27
106	Choking Effect of Single-Wall Carbon Nanotubes on Solvent Adsorption in Radial Breathing Mode. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3220-3223.	1.5	8
107	Nanowindow-Regulated Specific Capacitance of Supercapacitor Electrodes of Single-Wall Carbon Nanohorns. <i>Journal of the American Chemical Society</i> , 2007, 129, 20-21.	6.6	305
108	Structure of Molecules and Ions Confined in Carbon Nanospaces. <i>ECS Meeting Abstracts</i> , 2007, , .	0.0	0



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109	Assembly structure control of single wall carbon nanotubes with liquid phase naphthalene adsorption. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 300, 117-121.	2.3	51
110	Defluorination-enhanced hydrogen adsorptivity of activated carbon fibers. <i>Carbon</i> , 2007, 45, 1391-1395.	5.4	23
111	RBM band shift-evidenced dispersion mechanism of single-wall carbon nanotube bundles with NaDDBS. <i>Journal of Colloid and Interface Science</i> , 2007, 308, 276-284.	5.0	55
112	Adsorption of polyaromatic hydrocarbons on single wall carbon nanotubes of different functionalities and diameters. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 18-24.	5.0	110
113	Adsorption of water on three-dimensional pillared-layer metal organic frameworks. <i>Journal of Colloid and Interface Science</i> , 2007, 314, 422-426.	5.0	40
114	Effect of Nanoscale Curvature of Single-Walled Carbon Nanotubes on Adsorption of Polycyclic Aromatic Hydrocarbons. <i>Nano Letters</i> , 2007, 7, 583-587.	4.5	253
115	Pore characterization of assembly-structure controlled single wall carbon nanotube. <i>Adsorption</i> , 2007, 13, 509-514.	1.4	12
116	Effects of Gas Adsorption on the Electrical Conductivity of Single-Wall Carbon Nanohorns. <i>Nano Letters</i> , 2006, 6, 1325-1328.	4.5	89
117	Mesopore-Modified Zeolites: Preparation, Characterization, and Applications. <i>Chemical Reviews</i> , 2006, 106, 896-910.	23.0	1,016
118	Phenanthrene Adsorption from Solution on Single Wall Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16219-16224.	1.2	122
119	Coordination Symmetry-Dependent Structure Restoration Function of One-Dimensional MOFs by Molecular Respiration. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25565-25567.	1.2	27
120	Quantum Sieving Effect of Modified Activated Carbon Fibers on H <sub>2</sub> and D <sub>2</sub> Adsorption at 20 K. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9764-9767.	1.2	54
121	Efficient H <sub>2</sub> Adsorption by Nanopores of High-Purity Double-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2006, 128, 12636-12637.	6.6	50
122	Preparing a Magnetically Responsive Single-Wall Carbon Nanohorn Colloid by Anchoring Magnetite Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7165-7170.	1.2	44
123	Direct $\alpha$ -Hydroxylation of Ketones Catalyzed by Organic-Inorganic Hybrid Polymer. <i>Chemistry Letters</i> , 2006, 35, 1094-1095.	0.7	28
124	Probe Molecule-Dependent Particle Density and its Effect on the Supercritical Gas Adsorption Isotherm of Nanoporous Cu Complex Crystals. <i>Adsorption Science and Technology</i> , 2006, 24, 595-600.	1.5	7
125	Mesopore Development in Activated Carbon Fibres by Additional Chemical Activation. <i>Adsorption Science and Technology</i> , 2006, 24, 427-432.	1.5	3
126	Enhancement of the methylene blue adsorption rate for ultramicroporous carbon fiber by addition of mesopores. <i>Carbon</i> , 2006, 44, 1884-1890.	5.4	71



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127	Examination of synthesis conditions for graphite-derived nanoporous carbon-silica composites. <i>Carbon</i> , 2006, 44, 2479-2488.	5.4	34
128	Novel Expansion/Shrinkage Modulation of 2D Layered MOF Triggered by Clathrate Formation with CO <sub>2</sub> Molecules. <i>Nano Letters</i> , 2006, 6, 2581-2584.	4.5	254
129	Developments and structures of mesopores in alkaline-treated ZSM-5 zeolites. <i>Adsorption</i> , 2006, 12, 309-316.	1.4	34
130	Effect of embedded metal compound on porosity of silica colloids prepared by spray reaction of silicon tetrachloride. <i>Journal of Colloid and Interface Science</i> , 2006, 295, 482-489.	5.0	3
131	Catalytic Synthesis of $\alpha$ -Hydroxy Ketones Using Organic-Inorganic Hybrid Polymer. <i>Chemistry Letters</i> , 2005, 34, 1590-1591.	0.7	23
132	New approach to determination of surface heterogeneity of adsorbents and catalysts from the temperature programmed desorption (TPD) technique: One step beyond the condensation approximation (CA) method. <i>Journal of Colloid and Interface Science</i> , 2005, 291, 334-344.	5.0	16
133	The addition of mesoporosity to activated carbon fibers by a simple reactivation process. <i>Carbon</i> , 2005, 43, 855-857.	5.4	126
134	Synthesis and characterization of nanoporous metallic platinum. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 253, 199-202.	2.3	6
135	Water Cluster Growth in Hydrophobic Solid Nanospaces. <i>Chemistry - A European Journal</i> , 2005, 11, 4890-4894.	1.7	60
136	Synthesis and Adsorption Characteristics of Nanoporous Graphite-Derived Carbon-Silica Composites. <i>Adsorption</i> , 2005, 11, 725-730.	1.4	4
137	Palladium Nanoclusters Deposited on Single-Walled Carbon Nanohorns. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3711-3714.	1.2	55
138	Synthesis of Mesoporous Zeolite A by Resorcinol-Formaldehyde Aerogel Templating. <i>Langmuir</i> , 2005, 21, 504-507.	1.6	93
139	Quasi One-Dimensional Nanopores in Single-Wall Carbon Nanohorn Colloids Using Grand Canonical Monte Carlo Simulation Aided Adsorption Technique. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8659-8662.	1.2	23
140	Opening Mechanism of Internal Nanoporosity of Single-Wall Carbon Nanohorn. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14319-14324.	1.2	130
141	Quantum Effects on Hydrogen Isotope Adsorption on Single-Wall Carbon Nanohorns. <i>Journal of the American Chemical Society</i> , 2005, 127, 7511-7516.	6.6	189
142	Clathrate-Formation Mediated Adsorption of Methane on Cu-Complex Crystals. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13851-13853.	1.2	67
143	Micropore to Macropore Structure-Designed Silicas with Regulated Condensation of Silicic Acid Nanoparticles. <i>Langmuir</i> , 2005, 21, 8042-8047.	1.6	25
144	Comparative Study on Pore Structures of Mesoporous ZSM-5 from Resorcinol-Formaldehyde Aerogel and Carbon Aerogel Templating. <i>Journal of Physical Chemistry B</i> , 2005, 109, 194-199.	1.2	79

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145	Structures and Stability of Water Nanoclusters in Hydrophobic Nanospaces. <i>Nano Letters</i> , 2005, 5, 227-230.	4.5	67
146	Interstitial nanopore change of single wall carbon nanohorn assemblies with high temperature treatment. <i>Chemical Physics Letters</i> , 2004, 389, 332-336.	1.2	15
147	The evaluation of the surface heterogeneity of carbon blacks from the lattice density functional theory. <i>Carbon</i> , 2004, 42, 1813-1823.	5.4	15
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