Morinobu Endo

List of Publications by Year
in descending order

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682 papers	36,392 citations	3334 91 h-index	5255 165 g-index
688 all docs	688 docs citations	688 times ranked	34262 citing authors

#	Article	IF	Citations
1	General equation for the determination of the crystallite size La of nanographite by Raman spectroscopy. Applied Physics Letters, 2006, 88, 163106.	3.3	2,071
2	Origin of dispersive effects of the RamanDband in carbon materials. Physical Review B, 1999, 59, R6585-R6588.	3.2	871
3	Recent development of carbon materials for Li ion batteries. Carbon, 2000, 38, 183-197.	10.3	733
4	A Mechanism of Lithium Storage in Disordered Carbons. Science, 1994, 264, 556-558.	12.6	706
5	Bulk Production of a New Form of sp² Carbon: Crystalline Graphene Nanoribbons. Nano Letters, 2008, 8, 2773-2778.	9.1	588
6	Nitrogen-doped graphene: beyond single substitution and enhanced molecular sensing. Scientific Reports, 2012, 2, 586.	3.3	563
7	â€˜Buckypaperâ€™ from coaxial nanotubes. Nature, 2005, 433, 476-476.	27.8	548
8	Vapor-grown carbon fibers (VGCFs). Carbon, 2001, 39, 1287-1297.	10.3	544
9	Fabrication of Electrospinning-Derived Carbon Nanofiber Webs for the Anode Material of Lithium-Ion Secondary Batteries. Advanced Functional Materials, 2006, 16, 2393-2397.	14.9	541
10	Controlled Synthesis and Transfer of Large-Area WS₂ Sheets: From Single Layer to Few Layers. ACS Nano, 2013, 7, 5235-5242.	14.6	534
11	The production and structure of pyrolytic carbon nanotubes (PCNTs). Journal of Physics and Chemistry of Solids, 1993, 54, 1841-1848.	4.0	461
12	Mouse pulmonary dose- and time course-responses induced by exposure to multi-walled carbon nanotubes. Toxicology, 2010, 269, 136-147.	4.2	451
13	Selfâ€Sustained Thin Webs Consisting of Porous Carbon Nanofibers for Supercapacitors via the Electrospinning of Polyacrylonitrile Solutions Containing Zinc Chloride. Advanced Materials, 2007, 19, 2341-2346.	21.0	390
14	Structural characterization of cup-stacked-type nanofibers with an entirely hollow core. Applied Physics Letters, 2002, 80, 1267-1269.	3.3	361
15	Measuring the degree of stacking order in graphite by Raman spectroscopy. Carbon, 2008, 46, 272-275.	10.3	358
16	Synthesis and Characterization of Porous Carbon Nanofibers with Hollow Cores Through the Thermal Treatment of Electrospun Copolymeric Nanofiber Webs. Small, 2007, 3, 91-95.	10.0	336
17	Pyrolytic carbon nanotubes from vapor-grown carbon fibers. Carbon, 1995, 33, 873-881.	10.3	321
18	Mechanical and physical properties of epoxy composites reinforced by vapor grown carbon nanofibers. Carbon, 2005, 43, 2199-2208.	10.3	315

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19	Capacitance and Pore-Size Distribution in Aqueous and Nonaqueous Electrolytes Using Various Activated Carbon Electrodes. Journal of the Electrochemical Society, 2001, 148, A910.	2.9	310
20	Disordered Magnetism at the Metal-Insulator Threshold in Nano-Graphite-Based Carbon Materials. Physical Review Letters, 2000, 84, 1744-1747.	7.8	309
21	Potential Applications of Carbon Nanotubes. Topics in Applied Physics, 2007, , 13-62.	0.8	307
22	Effective NaCl and dye rejection of hybrid graphene oxide/graphene layered membranes. Nature Nanotechnology, 2017, 12, 1083-1088.	31.5	307
23	Nanowindow-Regulated Specific Capacitance of Supercapacitor Electrodes of Single-Wall Carbon Nanohorns. Journal of the American Chemical Society, 2007, 129, 20-21.	13.7	305
24	Size Effects in Carbon Nanotubes. Physical Review Letters, 1998, 81, 1869-1872.	7.8	302
25	Carbon Nanotubes with High Boneâ€Tissue Compatibility and Boneâ€Formation Acceleration Effects. Small, 2008, 4, 240-246.	10.0	254
26	Raman Spectroscopy of Boron-Doped Single-Layer Graphene. ACS Nano, 2012, 6, 6293-6300.	14.6	245
27	Carbon nanotubes: biomaterial applications. Chemical Society Reviews, 2009, 38, 1897.	38.1	234
28	Conducting linear chains of sulphur inside carbon nanotubes. Nature Communications, 2013, 4, 2162.	12.8	228
29	Easy preparation of nitrogen-enriched carbon materials from peptides of silk fibroins and their use to produce a high volumetric energy density in supercapacitors. Carbon, 2007, 45, 2116-2125.	10.3	220
30	Promotion of lung adenocarcinoma following inhalation exposure to multi-walled carbon nanotubes. Particle and Fibre Toxicology, 2014, 11, 3.	6.2	217
31	Mode I and mode II interlaminar fracture toughness of CFRP laminates toughened by carbon nanofiber interlayer. Composites Science and Technology, 2008, 68, 516-525.	7.8	216
32	Thermal stability and structural changes of double-walled carbon nanotubes by heat treatment. Chemical Physics Letters, 2004, 398, 87-92.	2.6	213
33	Applications of carbon nanotubes in the twentyâ€“first century. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2223-2238.	3.4	212
34	Selective and Efficient Impregnation of Metal Nanoparticles on Cup-Stacked-Type Carbon Nanofibers. Nano Letters, 2003, 3, 723-726.	9.1	208
35	Safe Clinical Use of Carbon Nanotubes as Innovative Biomaterials. Chemical Reviews, 2014, 114, 6040-6079.	47.7	207
36	Synthesis and characterization of long strands of nitrogen-doped single-walled carbon nanotubes. Chemical Physics Letters, 2006, 424, 345-352.	2.6	198

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37	Graphite Intercalation Compounds and Applications. , 2003, , .		195
38	Rice Huskâ€Derived Graphene with Nanoâ€Sized Domains and Clean Edges. Small, 2014, 10, 2766-2770.	10.0	181
39	Synthesis of thick and crystalline nanotube arrays by spray pyrolysis. Applied Physics Letters, 2000, 77, 3385-3387.	3.3	179
40	Ultrasensitive gas detection of large-area boron-doped graphene. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14527-14532.	7.1	177
41	Microstructural changes induced in â€œstacked cupâ€•carbon nanofibers by heat treatment. Carbon, 2003, 41, 1941-1947.	10.3	174
42	Ultrasensitive molecular sensor using N-doped graphene through enhanced Raman scattering. Science Advances, 2016, 2, e1600322.	10.3	174
43	Effect of ball milling on morphology of cup-stacked carbon nanotubes. Chemical Physics Letters, 2002, 355, 279-284.	2.6	173
44	Thermal stability studies of CVD-grown graphene nanoribbons: Defect annealing and loop formation. Chemical Physics Letters, 2009, 469, 177-182.	2.6	170
45	Super-stretchable Graphene Oxide Macroscopic Fibers with Outstanding Knotability Fabricated by Dry Film Scrolling. ACS Nano, 2014, 8, 5959-5967.	14.6	170
46	Acute pulmonary doseâ€“responses to inhaled multi-walled carbon nanotubes. Nanotoxicology, 2013, 7, 1179-1194.	3.0	165
47	Scanning tunneling microscope study of boron-doped highly oriented pyrolytic graphite. Journal of Applied Physics, 2001, 90, 5670-5674.	2.5	159
48	Cross-Talk between Lung and Systemic Circulation during Carbon Nanotube Respiratory Exposure. Potential Biomarkers. Nano Letters, 2009, 9, 36-43.	9.1	159
49	Low-temperature Synthesis of Heterostructures of Transition Metal Dichalcogenide Alloys (W_xMo_{1â€“x}S₂) and Graphene with Superior Catalytic Performance for Hydrogen Evolution. ACS Nano, 2017, 11, 5103-5112.	14.6	157
50	Fabrication of aligned carbon nanotube-filled rubber composite. Scripta Materialia, 2006, 54, 31-35.	5.2	154
51	Stacking nature of graphene layers in carbon nanotubes and nanofibres. Journal of Physics and Chemistry of Solids, 1997, 58, 1707-1712.	4.0	153
52	Prediction of elastic properties for single-walled carbon nanotubes. Carbon, 2004, 42, 39-45.	10.3	153
53	Nanocrystalline Î±â€“Fe, Fe₃C, and Fe₇C₃ produced by CO₂ laser pyrolysis. Journal of Materials Research, 1993, 8, 1666-1674.	2.6	151
54	Graphitic cones in palladium catalysed carbon nanofibres. Chemical Physics Letters, 2001, 343, 241-250.	2.6	150

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55	Application of carbon fibers to biomaterials: A new era of nano-level control of carbon fibers after 30-years of development. Chemical Society Reviews, 2011, 40, 3824.	38.1	146
56	Ni-deposited multi-walled carbon nanotubes by electrodeposition. Carbon, 2004, 42, 641-644.	10.3	142
57	Defect Engineering and Surface Functionalization of Nanocarbons for Metalâ€Free Catalysis. Advanced Materials, 2019, 31, e1805717.	21.0	139
58	Single-atom doping of MoS ₂ with manganese enables ultrasensitive detection of dopamine: Experimental and computational approach. Science Advances, 2020, 6, eabc4250.	10.3	136
59	Observation of magnetic edge state in graphene nanoribbons. Physical Review B, 2010, 81, .	3.2	132
60	Microstructural and mechanical analysis of carbon nanotube reinforced magnesium alloy powder composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 4103-4108.	5.6	129
61	Preparation and characterization of bamboo-based activated carbons as electrode materials for electric double layer capacitors. Carbon, 2006, 44, 1592-1595.	10.3	128
62	Structure of mesophase pitch-based carbon fibres. Journal of Materials Science, 1988, 23, 598-605.	3.7	127
63	Shear-induced preferential alignment of carbon nanotubes resulted in anisotropic electrical conductivity of polymer composites. Carbon, 2006, 44, 3078-3086.	10.3	125
64	Electroactive shape memory performance of polyurethane composite having homogeneously dispersed and covalently crosslinked carbon nanotubes. Carbon, 2010, 48, 1598-1603.	10.3	123
65	Graphene: preparation and structural perfection. Journal of Materials Chemistry, 2011, 21, 3280-3294.	6.7	123
66	High performance of cup-stacked-type carbon nanotubes as a Ptâ€“Ru catalyst support for fuel cell applications. Journal of Applied Physics, 2004, 96, 5903-5905.	2.5	122
67	Effects of carbon nanotube structures on mechanical properties. Applied Physics A: Materials Science and Processing, 2004, 79, 117-124.	2.3	119
68	Heat-treatment effect on the nanosized graphite Ï€-electron system during diamond to graphite conversion. Physical Review B, 2000, 62, 11209-11218.	3.2	117
69	Elucidation of the Reinforcing Mechanism in Carbon Nanotube/Rubber Nanocomposites. ACS Nano, 2011, 5, 3858-3866.	14.6	117
70	Extremeâ€Performance Rubber Nanocomposites for Probing and Excavating Deep Oil Resources Using Multiâ€Walled Carbon Nanotubes. Advanced Functional Materials, 2008, 18, 3403-3409.	14.9	112
71	The preparation of multi-walled carbon nanotubes with a Niâ€“P coating by an electroless deposition process. Carbon, 2005, 43, 1716-1721.	10.3	111
72	A numerical method for incompressible non-Newtonian fluid flows based on the lattice Boltzmann method. Journal of Non-Newtonian Fluid Mechanics, 2007, 147, 69-78.	2.4	110

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73	Effect of high-temperature thermal treatment on the structure and adsorption properties of reduced graphene oxide. Carbon, 2013, 52, 608-612.	10.3	110
74	Structural Improvement of Carbon Fibers Prepared from Benzene. Japanese Journal of Applied Physics, 1976, 15, 2073-2076.	1.5	109
75	Synthesis and structural characterization of thin multi-walled carbon nanotubes with a partially facetted cross section by a floating reactant method. Carbon, 2005, 43, 2243-2250.	10.3	109
76	Carbon nanofiberâ€“copper composite powder prepared by electrodeposition. Electrochemistry Communications, 2003, 5, 797-799.	4.7	107
77	The Reinforcing Effect of Combined Carbon Nanotubes and Acetylene Blacks on the Positive Electrode of Lithiumâ€ion Batteries. ChemSusChem, 2008, 1, 911-915.	6.8	107
78	Annealing effect on disordered multi-wall carbon nanotubes. Chemical Physics Letters, 2003, 380, 319-324.	2.6	106
79	Anode performance of a Li ion battery based on graphitized and B-doped milled mesophase pitch-based carbon fibers. Carbon, 1999, 37, 561-568.	10.3	104
80	Correlation between the pore and solvated ion size on capacitance uptake of PVDC-based carbons. Carbon, 2004, 42, 1491-1500.	10.3	104
81	Carbon Fibers Obtained by Thermal Decomposition of Vaporized Hydrocarbon. Japanese Journal of Applied Physics, 1972, 11, 445-449.	1.5	103
82	Structural characterization of milled mesophase pitch-based carbon fibers. Carbon, 1998, 36, 1633-1641.	10.3	103
83	Raman spectroscopic characterization of submicron vapor-grown carbon fibers and carbon nanofibers obtained by pyrolyzing hydrocarbons. Journal of Materials Research, 1999, 14, 4474-4477.	2.6	103
84	Smallest Freestanding Single-Walled Carbon Nanotube. Nano Letters, 2003, 3, 887-889.	9.1	101
85	Fabrication of High-Purity, Double-Walled Carbon Nanotube Buckypaper. Chemical Vapor Deposition, 2006, 12, 327-330.	1.3	101
86	High-performance multi-functional reverse osmosis membranes obtained by carbon nanotubeÂ·polyamide nanocomposite. Scientific Reports, 2015, 5, 13562.	3.3	101
87	Cellulose nanofiber backboned Prussian blue nanoparticles as powerful adsorbents for the selective elimination of radioactive cesium. Scientific Reports, 2016, 6, 37009.	3.3	101
88	Excellent solid lubrication of electrodeposited nickel-multiwalled carbon nanotube composite films. Materials Letters, 2008, 62, 3545-3548.	2.6	98
89	In vivo immunological toxicity in mice of carbon nanotubes with impurities. Carbon, 2009, 47, 1365-1372.	10.3	98
90	Structural analysis of the B-doped mesophase pitch-based graphite fibers by Raman spectroscopy. Physical Review B, 1998, 58, 8991-8996.	3.2	95

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91	Metallization of multi-walled carbon nanotubes with copper by an electroless deposition process. Electrochemistry Communications, 2004, 6, 1042-1044.	4.7	95
92	Development and Application of Carbon Nanotubes. Japanese Journal of Applied Physics, 2006, 45, 4883-4892.	1.5	94
93	Lithium storage behavior for various kinds of carbon anodes in Li ion secondary battery. Journal of Physics and Chemistry of Solids, 1996, 57, 725-728.	4.0	93
94	Dry Synthesis of Easily Tunable Nano Ruthenium Supported on Graphene: Novel Nanocatalysts for Aerial Oxidation of Alcohols and Transfer Hydrogenation of Ketones. Journal of Physical Chemistry C, 2013, 117, 23582-23596.	3.1	93
95	Structural characterization of carbon nanofibers obtained by hydrocarbon pyrolysis. Carbon, 2001, 39, 2003-2010.	10.3	91
96	Comparison study of semi-crystalline and highly crystalline multiwalled carbon nanotubes. Applied Physics Letters, 2001, 79, 1531-1533.	3.3	91
97	Efficient anchorage of Pt clusters on N-doped carbon nanotubes and their catalytic activity. Chemical Physics Letters, 2008, 463, 124-129.	2.6	91
98	Importance of open, heteroatom-decorated edges in chemically doped-graphene for supercapacitor applications. Journal of Materials Chemistry A, 2014, 2, 9532-9540.	10.3	91
99	An efficient, reusable copper-oxide/carbon-nanotube catalyst for N-arylation of imidazole. Carbon, 2013, 62, 135-148.	10.3	90
100	Poly(vinylidene chloride)-Based Carbon as an Electrode Material for High Power Capacitors with an Aqueous Electrolyte. Journal of the Electrochemical Society, 2001, 148, A1135.	2.9	88
101	Optical Bifunctionality of Europium-Complexed Luminescent Graphene Nanosheets. Nano Letters, 2011, 11, 5227-5233.	9.1	88
102	Processing and characterization of epoxy nanocomposites reinforced by cup-stacked carbon nanotubes. Polymer, 2005, 46, 11489-11498.	3.8	87
103	Confinement in Carbon Nanospace-Induced Production of KI Nanocrystals of High-Pressure Phase. Journal of the American Chemical Society, 2011, 133, 10344-10347.	13.7	86
104	High Energy-Density Capacitor Based on Ammonium Salt Type Ionic Liquids and Their Mixing Effect by Propylene Carbonate. Journal of the Electrochemical Society, 2005, 152, A710.	2.9	85
105	High temperature annealing effects on carbon spheres and their applications as anode materials in Li-ion secondary battery. Carbon, 2006, 44, 724-729.	10.3	85
106	Large Area Films of Alternating Grapheneâ€“Carbon Nanotube Layers Processed in Water. ACS Nano, 2013, 7, 10788-10798.	14.6	85
107	Activation routes for high surface area graphene monoliths from graphene oxide colloids. Carbon, 2014, 76, 220-231.	10.3	85
108	Recent progress in the synthesis and applications of nanoporous carbon films. Journal of Materials Chemistry, 2011, 21, 313-323.	6.7	84

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109	Efficient and highly selective boron-doped carbon materials-catalyzed reduction of nitroarenes. Chemical Communications, 2015, 51, 13086-13089.	4.1	84
110	Analysis of pore structure of activated carbon fibers using high resolution transmission electron microscopy and image processing. Journal of Materials Research, 1995, 10, 2507-2517.	2.6	83
111	Pore structure and oxidation stability of double-walled carbon nanotube-derived bucky paper. Chemical Physics Letters, 2005, 414, 444-448.	2.6	83
112	Mechanical and thermal properties of vapor-grown carbon nanofiber and polycarbonate composite sheets. Materials Letters, 2005, 59, 3514-3520.	2.6	83
113	High-modulus and strength carbon nanotube fibers using molecular cross-linking. Carbon, 2017, 118, 413-421.	10.3	83
114	Raman Spectroscopy Study of Isolated Double-Walled Carbon Nanotubes with Different Metallic and Semiconducting Configurations. Nano Letters, 2008, 8, 3879-3886.	9.1	82
115	Multiwalled Carbon Nanotubes Specifically Inhibit Osteoclast Differentiation and Function. Nano Letters, 2009, 9, 1406-1413.	9.1	82
116	Anomalous helium-gas-induced spin-lattice relaxation and the evidence for ultra micropores in microporous carbon. Solid State Communications, 1995, 93, 323-326.	1.9	81
117	Morphology and organic EDLC applications of chemically activated AR-resin-based carbons. Carbon, 2002, 40, 2613-2626.	10.3	81
118	Percolation study of orientated short-fiber composites by a continuum model. Physica A: Statistical Mechanics and Its Applications, 2005, 352, 498-508.	2.6	81
119	Optically Active Multi-Walled Carbon Nanotubes for Transparent, Conductive Memory-Shape Polyurethane Film. Macromolecules, 2010, 43, 6106-6112.	4.8	81
120	Nanocarbons from rice husk by microwave plasma irradiation: From graphene and carbon nanotubes to graphenated carbon nanotube hybrids. Carbon, 2015, 94, 479-484.	10.3	81
121	Boron-doped onion-like carbon with enriched substitutional boron: the relationship between electronic properties and catalytic performance. Journal of Materials Chemistry A, 2015, 3, 21805-21814.	10.3	81
122	Stress simulation of carbon nanotubes in tension and compression. Carbon, 2004, 42, 2147-2151.	10.3	80
123	Formation of Nitrogen-Doped Graphene Nanoribbons via Chemical Unzipping. ACS Nano, 2013, 7, 2192-2204.	14.6	80
124	Gas adsorption effects on structural and electrical properties of activated carbon fibers. Journal of Chemical Physics, 1998, 109, 1983-1990.	3.0	79
125	Cuâ€“MWCNT Composite Films Fabricated by Electrodeposition. Journal of the Electrochemical Society, 2010, 157, D147.	2.9	79
126	Pressure-Induced Collapse in Double-Walled Carbon Nanotubes: Chemical and Mechanical Screening Effects. Journal of Physical Chemistry C, 2011, 115, 5378-5384.	3.1	79

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127	Role of systemic T-cells and histopathological aspects after subcutaneous implantation of various carbon nanotubes in mice. Carbon, 2006, 44, 1079-1092.	10.3	78
128	Large-scale production of carbon nanotubes and their applications. Pure and Applied Chemistry, 2006, 78, 1703-1713.	1.9	78
129	Novel Electronic Properties of a Nano-Graphite Disordered Network and Their Iodine Doping Effects. Journal of the Physical Society of Japan, 2000, 69, 754-767.	1.6	77
130	Nanotube Coalescence-Inducing Mode: A Novel Vibrational Mode in Carbon Systems. Small, 2006, 2, 1031-1036.	10.0	77
131	Effect of interface on the thermal conductivity of carbon nanotube composites. International Journal of Thermal Sciences, 2007, 46, 842-847.	4.9	76
132	Coalescence of Double-Walled Carbon Nanotubes:â€‰ Formation of Novel Carbon Bicables. Nano Letters, 2004, 4, 1451-1454.	9.1	75
133	The structural evolution of thin multi-walled carbon nanotubes during isothermal annealing. Carbon, 2007, 45, 274-280.	10.3	75
134	In Situ Raman Study on Single- and Double-Walled Carbon Nanotubes as a Function of Lithium Insertion. Small, 2006, 2, 667-676.	10.0	73
135	Analysis of the vibration characteristics of double-walled carbon nanotubes. Carbon, 2008, 46, 1570-1573.	10.3	73
136	Atomic Nanotube Welders:â€‰ Boron Interstitials Triggering Connections in Double-Walled Carbon Nanotubes. Nano Letters, 2005, 5, 1099-1105.	9.1	72
137	NanoTeflons:â€‰ Structure and EELS Characterization of Fluorinated Carbon Nanotubes and Nanofibers. Nano Letters, 2002, 2, 491-496.	9.1	71
138	Structural features necessary to obtain a high specific capacitance in electric double layer capacitors. Carbon, 2004, 42, 2423-2432.	10.3	71
139	Carbon Nanotubes for Biomaterials in Contact with Bone. Current Medicinal Chemistry, 2008, 15, 523-527.	2.4	70
140	Hydrophilicity-Controlled Carbon Aerogels with High Mesoporosity. Journal of the American Chemical Society, 2009, 131, 904-905.	13.7	70
141	Fabrication of Transparent, Tough, and Conductive Shapeâ€Memory Polyurethane Films by Incorporating a Small Amount of Highâ€Quality Graphene. Macromolecular Rapid Communications, 2012, 33, 628-634.	3.9	69
142	Wave propagation in single- and double-walled carbon nanotubes filled with fluids. Journal of Applied Physics, 2007, 101, 034319.	2.5	66
143	Well-Formed One-Dimensional Hydroxyapatite Crystals Grown by an Environmentally Friendly Flux Method. Crystal Growth and Design, 2009, 9, 2937-2940.	3.0	65
144	Proteomics-based safety evaluation of multi-walled carbon nanotubes. Toxicology and Applied Pharmacology, 2010, 242, 256-262.	2.8	65

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145	Selective Optical Property Modification of Double-Walled Carbon Nanotubes by Fluorination. ACS Nano, 2008, 2, 485-488.	14.6	64
146	Hydrogen storage in spherical nanoporous carbons. Chemical Physics Letters, 2005, 403, 363-366.	2.6	63
147	Carbon-supported Ptâ€“Ru nanoparticles prepared in glyoxylate-reduction system promoting precursorâ€“support interaction. Journal of Materials Chemistry, 2010, 20, 5345.	6.7	63
148	Carbon Nanotubes Induce Bone Calcification by Bidirectional Interaction with Osteoblasts. Advanced Materials, 2012, 24, 2176-2185.	21.0	63
149	Edgeâ€Enriched, Porous Carbonâ€Based, High Energy Density Supercapacitors for Hybrid Electric Vehicles. ChemSusChem, 2012, 5, 535-541.	6.8	63
150	Linear carbon chains encapsulated in multiwall carbon nanotubes: Resonance Raman spectroscopy and transmission electron microscopy studies. Carbon, 2015, 90, 172-180.	10.3	63
151	Coulomb-gap magnetotransport in granular and porous carbon structures. Physical Review B, 1994, 49, 17325-17335.	3.2	62
152	Marked Adsorption Irreversibility of Graphitic Nanoribbons for CO₂ and H₂O. Journal of the American Chemical Society, 2011, 133, 14880-14883.	13.7	62
153	Thrombogenicity and Blood Coagulation of a Microcatheter Prepared from Carbon Nanotubeâ^'Nylon-Based Composite. Nano Letters, 2005, 5, 101-105.	9.1	61
154	Progressive and invasive functionalization of carbon nanotube sidewalls by diluted nitric acid under supercritical conditions. Journal of Materials Chemistry, 2005, 15, 407.	6.7	61
155	Synthesis and Isolation of Molybdenum Atomic Wires. Nano Letters, 2008, 8, 237-240.	9.1	61
156	Enhanced electrical conductivities of N-doped carbon nanotubes by controlled heat treatment. Nanoscale, 2011, 3, 4359.	5.6	60
157	Structural characterization of heat-treated activated carbon fibers. Journal of Materials Research, 1992, 7, 1788-1794.	2.6	59
158	Magnetic and high resolution TEM studies of nanographite derived from nanodiamond. Carbon, 2006, 44, 1225-1234.	10.3	59
159	Viability Studies of Pure Carbonâ€and Nitrogenâ€Doped Nanotubes with Entamoeba histolytica: From Amoebicidal to Biocompatible Structures. Small, 2007, 3, 1723-1729.	10.0	59
160	Photochemical deposition of Ag nanoparticles on multiwalled carbon nanotubes. Carbon, 2009, 47, 2752-2754.	10.3	59
161	Nitrogen-doped porous carbon monoliths from polyacrylonitrile (PAN) and carbon nanotubes as electrodes for supercapacitors. Scientific Reports, 2017, 7, 40259.	3.3	59
162	Robust, Conducting, and Transparent Polymer Composites Using Surfaceâ€Modified and Individualized Doubleâ€Walled Carbon Nanotubes. Advanced Materials, 2008, 20, 4509-4512.	21.0	58

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163	Visualization of nanomechanical mapping on polymer nanocomposites by AFM force measurement. Polymer, 2010, 51, 2455-2459.	3.8	58
164	Molecular Dynamics Study of Carbon Nanotubes/Polyamide Reverse Osmosis Membranes: Polymerization, Structure, and Hydration. ACS Applied Materials & Interfaces, 2015, 7, 24566-24575.	8.0	58
165	Relation of Carbon Nanotubes to Other Carbon Materials. , 2001, , 11-28.		57
166	Formation and Properties of Selenium Double-Helices inside Double-Wall Carbon Nanotubes: Experiment and Theory. ACS Nano, 2013, 7, 5607-5613.	14.6	57
167	New characterization techniques for activated carbon fibers. Carbon, 1992, 30, 1065-1073.	10.3	56
168	Drastic effect of water-adsorption on the magnetism of carbon nanomagnets. Solid State Communications, 2003, 125, 641-645.	1.9	56
169	Various carbon nanofiberâ€“copper composite films prepared by electrodeposition. Electrochemistry Communications, 2005, 7, 19-22.	4.7	56
170	Environmentally Friendly Growth of Highly Crystalline Photocatalytic Na₂Ti₆O₁₃ Whiskers from a NaCl Flux. Crystal Growth and Design, 2008, 8, 465-469.	3.0	56
171	Nanostructured carbon materials for enhanced nitrobenzene adsorption: Physical vs. chemical surface properties. Carbon, 2018, 139, 833-844.	10.3	55
172	PVDC-Based Carbon Material by Chemical Activation and Its Application to Nonaqueous EDLC. Journal of the Electrochemical Society, 2004, 151, E199.	2.9	54
173	Clean Nanotube Unzipping by Abrupt Thermal Expansion of Molecular Nitrogen: Graphene Nanoribbons with Atomically Smooth Edges. ACS Nano, 2012, 6, 2261-2272.	14.6	54
174	Wave propagation of carbon nanotubes embedded in an elastic medium. Journal of Applied Physics, 2005, 97, 044307.	2.5	53
175	The production of soft, durable, and electrically conductive polyester multifilament yarns by dye-printing them with carbon nanotubes. Carbon, 2009, 47, 527-530.	10.3	52
176	Carbonization under pressure. New Carbon Materials, 2010, 25, 409-420.	6.1	52
177	Raman scattering and electrical conductivity in highly disordered activated carbon fibers. Journal of Materials Research, 1993, 8, 489-500.	2.6	51
178	Vibration analysis of embedded carbon nanotubes using wave propagation approach. Journal of Applied Physics, 2006, 99, 034311.	2.5	51
179	Structure and Properties of Graphitized Carbon Fiber. Japanese Journal of Applied Physics, 1974, 13, 1933-1939.	1.5	50
180	Electrical and thermal properties of fluorine-intercalated graphite fibers. Physical Review B, 1990, 41, 4961-4969.	3.2	50

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181	Efficient H₂ Adsorption by Nanopores of High-Purity Double-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2006, 128, 12636-12637.	13.7	50
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