Yoong Ahm Kim

List of Publications by Year
in descending order

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219 papers	9,131 citations	44042 48 h-index	49868 87 g-index
222 all docs	222 docs citations	222 times ranked	13088 citing authors

#	Article	IF	Citations
1	Tuning the microphase behavior of carbon-precursor polymer blends with surfactant-like nanotubes: Toward catalyst support for water splitting. Chemical Engineering Journal, 2022, 431, 134027.	6.6	4
2	Pressure-induced structural transformations on linear carbon chains encapsulated in carbon nanotubes: A potential route for obtaining longer chains and ultra-hard composites. Carbon, 2022, 196, 20-28.	5.4	4
3	Sharma etÂal. Reply:. Physical Review Letters, 2022, 128, .	2.9	2
4	Sequential doping of nitrogen and oxygen in single-walled carbon nanohorns for use as supercapacitor electrodes. Microporous and Mesoporous Materials, 2021, 310, 110595.	2.2	8
5	Microporous Organic Polymers: A Synthetic Platform for Engineering Heterogeneous Carbocatalysts. ChemSusChem, 2021, 14, 624-631.	3.6	6
6	Sulfur-doped carbon nanotubes as a conducting agent in supercapacitor electrodes. Journal of Alloys and Compounds, 2021, 855, 157282.	2.8	46
7	Thermodynamics of Linear Carbon Chains. Physical Review Letters, 2021, 126, 125901.	2.9	9
8	Highly conductive current collector for enhancing conductivity and power supply of flexible thin-film Znâ€“MnO2 battery. Energy, 2021, 221, 119856.	4.5	6
9	Effect of plasma surface modification on pullout characteristics of carbon fiber-reinforced cement composites. Carbon Trends, 2021, 3, 100030.	1.4	17
10	Gas Barrier Performance of Hexagonal Boron Nitride Monolayers Grown on Copper Foils with Electrochemical Polishing. Applied Sciences (Switzerland), 2021, 11, 4599.	1.3	2
11	A new strategy of carbon â€“ Pb composite as a bipolar plate material for unitized regenerative fuel cell system. Electrochimica Acta, 2021, 391, 138921.	2.6	17
12	Importance of Doping Sequence in Multiple Heteroatom-Doped Reduced Graphene Oxide as Efficient Oxygen Reduction Reaction Electrocatalysts. Applied Nano, 2021, 2, 267-277.	0.9	0
13	Hierarchical Design of Functional, Fibrous, and Microporous Polymer Monoliths for the Molecular Recognition of Diethylstilbestrol. Analytical Chemistry, 2021, 93, 13513-13519.	3.2	5
14	Carbon nanotube fibers with high specific electrical conductivity: Synergistic effect of heteroatom doping and densification. Carbon, 2021, 184, 207-213.	5.4	20
15	Edgeless porous carbon coating for durable and powerful lead-carbon batteries. Carbon, 2021, 185, 419-427.	5.4	12
16	Vertically and Horizontally Drawing Formation of Graphite Pencil Electrodes on Paper by Frictional Sliding for a Disposable and Foldable Electronic Device. ACS Omega, 2021, 6, 1960-1970.	1.6	12
17	Boron-Doped Edges as Active Sites for Water Adsorption in Activated Carbons. Langmuir, 2021, 37, 13179-13186.	1.6	8
18	Improved efficiency of green GaN LEDs via excitonâ€“surface plasmon coupling by Au nanoclusters embedded in a micro-hole patterned p-GaN layer. Applied Physics Letters, 2021, 119, .	1.5	2

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19	Effects of electromagnetic irradiation on low-molecular-weight fraction of fluidized catalytic cracking decant oil for synthesis of pitch precursor. Journal of Industrial and Engineering Chemistry, 2020, 82, 205-210.	2.9	1
20	Environmental effects, intertube interactions and Ïƒ-Ï€ bond re-hybridization in bundles of double- and triple-walled carbon nanotubes. Carbon, 2020, 158, 651-661.	5.4	0
21	Rapid, repetitive and selective NO2 gas sensor based on boron-doped activated carbon fibers. Applied Surface Science, 2020, 531, 147395.	3.1	18
22	Polymer wrapping-induced dispersion of single walled carbon nanotubes in ethylene glycol under mild sonication. RSC Advances, 2020, 10, 26262-26267.	1.7	8
23	Anharmonicity and Universal Response of Linear Carbon Chain Mechanical Properties under Hydrostatic Pressure. Physical Review Letters, 2020, 125, 105501.	2.9	22
24	Influenzaâ€“Host Interplay and Strategies for Universal Vaccine Development. Vaccines, 2020, 8, 548.	2.1	8
25	Carbon fibers for treatment of cancer metastasis in bone. RSC Advances, 2020, 10, 33071-33079.	1.7	3
26	Carbon Nanomaterials as Versatile Platforms for Biosensing Applications. Micromachines, 2020, 11, 814.	1.4	58
27	Anomalous restoration of sp² hybridization in graphene functionalization. Nanoscale, 2020, 12, 13351-13359.	2.8	25
28	Controlled synthesis of N-type single-walled carbon nanotubes with 100% of quaternary nitrogen. Carbon, 2020, 167, 881-887.	5.4	22
29	Electrical monitoring of photoisomerization of block copolymers intercalated into graphene sheets. Nature Communications, 2020, 11, 1324.	5.8	17
30	The Use of Electrospun Organic and Carbon Nanofibers in Bone Regeneration. Nanomaterials, 2020, 10, 562.	1.9	29
31	Quantifying Carbon Edge Sites on Depressing Hydrogen Evolution Reaction Activity. Nano Letters, 2020, 20, 5885-5892.	4.5	23
32	Enhanced Thermoelectric Properties of WS2/Single-Walled Carbon Nanohorn Nanocomposites. Crystals, 2020, 10, 140.	1.0	10
33	PbS-quantum-dots/double-wall-carbon-nanotubes nanohybrid based photodetectors with extremely fast response and high responsivity. Materials Today Energy, 2020, 16, 100378.	2.5	12
34	Hybridized double-walled carbon nanotubes and activated carbon as free-standing electrode for flexible supercapacitor applications. Carbon Letters, 2020, 30, 527-534.	3.3	20
35	Electrospun polyacrylonitrile/cyclodextrin-derived hierarchical porous carbon nanofiber/MnO2 composites for supercapacitor applications. Carbon, 2020, 164, 296-304.	5.4	54
36	An experimental investigation of the feasibility of Pb based bipolar plate material for unitized regenerative fuel cells system. International Journal of Hydrogen Energy, 2020, 45, 13101-13107.	3.8	3

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37	Outer Tube-Selectively Boron-Doped Double-Walled Carbon Nanotubes for Thermoelectric Applications. ACS Applied Nano Materials, 2020, 3, 3347-3354.	2.4	8
38	Enhancement of the Thermoelectric Power Factor for Bismuth Antimony Telluride Based Composites Containing Single-Walled Carbon Nanohorns. New Physics: Sae Mulli, 2020, 70, 226-231.	0.0	0
39	Few-layer graphene coated current collectors for safe and powerful lithium ion batteries. Carbon, 2019, 153, 495-503.	5.4	36
40	Mussel adhesive protein-coated titanium oxide nanoparticles for effective NO removal from versatile substrates. Chemical Engineering Journal, 2019, 378, 122164.	6.6	9
41	Rapidly self-heating shape memory polyurethane nanocomposite with boron-doped single-walled carbon nanotubes using near-infrared laser. Composites Part B: Engineering, 2019, 175, 107065.	5.9	25
42	Preparation of compressible polymer monoliths that contain mesopores capable of rapid oilâ€“water separation. Polymer Chemistry, 2019, 10, 5142-5150.	1.9	16
43	Pore engineering of nanoporous carbon nanofibers toward enhanced supercapacitor performance. Applied Surface Science, 2019, 497, 143693.	3.1	33
44	Preparation of carbon-containing, compressible, microporous, polymeric monoliths that regulate macroscopic conductivity. Polymer Chemistry, 2019, 10, 852-859.	1.9	16
45	Effect of low processing rate on homogeneous microstructural evolution of polyacrylonitrile-based carbon fibers. Carbon Letters, 2019, 29, 479-485.	3.3	5
46	Facile preparation and capacitive properties of low-cost carbon nanofibers with ZnO derived from lignin and pitch as supercapacitor electrodes. Carbon, 2019, 149, 637-645.	5.4	102
47	Pressure-sensitive polymer nanocomposites: Carbon nanofiber-reinforced MWCNT-coated PMMA microbeads. Polymer-Plastics Technology and Materials, 2019, 58, 1793-1801.	0.6	0
48	Deriving structural perfection in the structure of polyacrylonitril-based electrospun carbon nanofibers. Carbon, 2019, 147, 612-615.	5.4	14
49	Thermal conductivity enhancement in electrospun poly(vinyl alcohol) and poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 26	1.6	43
50	N-Enriched carbon nanofibers for high energy density supercapacitors and Li-ion batteries. RSC Advances, 2019, 9, 36075-36081.	1.7	13
51	Enriched Pyridinic Nitrogen Atoms at Nanoholes of Carbon Nanohorns for Efficient Oxygen Reduction. Scientific Reports, 2019, 9, 20170.	1.6	26
52	Single-wall carbon nanotube modified with copper-oxamate flat complex probed by synchrotron x-ray photoelectron and x-ray absorption spectroscopies. Journal of Molecular Structure, 2019, 1176, 711-717.	1.8	2
53	A carbon science perspective in 2018: Current achievements and future challenges. Carbon, 2018, 132, 785-801.	5.4	80
54	Chemical assembling of amine functionalized boron nitride nanotubes onto polymeric nanofiber film for improving their thermal conductivity. RSC Advances, 2018, 8, 4426-4433.	1.7	15

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55	Solvent Additive-Assisted Anisotropic Assembly and Enhanced Charge Transport of Ï€-Conjugated Polymer Thin Films. ACS Applied Materials & Interfaces, 2018, 10, 18131-18140.	4.0	26
56	Selective De-Cross-Linking of Transformable, Double-Network Hydrogels: Preparation, Structural Conversion, and Controlled Release. ACS Applied Materials & Interfaces, 2018, 10, 42985-42991.	4.0	22
57	Selective Incorporation of Aqueous-Phase SWNTs into Pine Cones: A Unique Route to Creating Versatile Carbon Precursors for Electrode Materials. ACS Sustainable Chemistry and Engineering, 2018, 6, 12426-12435.	3.2	8
58	Single-walled carbon nanotube-mediated physical gelation of binary polymer blends: An efficient route to versatile porous carbon electrode materials. Chemical Engineering Journal, 2018, 353, 849-857.	6.6	10
59	Synthesis of outer tube-selectively nitrogen-doped double-walled carbon nanotubes by nitrogen plasma treatment. Nanoscale, 2018, 10, 15938-15942.	2.8	9
60	Effect of boron doping on the electrical conductivity of metallicity-separated single walled carbon nanotubes. Nanoscale, 2018, 10, 12723-12733.	2.8	37
61	Enhanced Thermal Conductivity of Individual Polymeric Nanofiber Incorporated with Boron Nitride Nanotubes. Journal of Physical Chemistry C, 2017, 121, 7025-7029.	1.5	23
62	Thermal performance, freeze-and-thaw resistance, and bond strength of cement mortar using rice husk-derived graphene. Construction and Building Materials, 2017, 146, 350-359.	3.2	25
63	Pressure Tuning of Bromine Ionic States in Double-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2017, 121, 10609-10619.	1.5	8
64	Hydrolytic Unzipping of Boron Nitride Nanotubes in Nitric Acid. Nanoscale Research Letters, 2017, 12, 94.	3.1	10
65	Enhanced thermal conductivity and mechanical properties of polyurethane composites with the introduction of thermally annealed carbon nanotubes. Macromolecular Research, 2017, 25, 1015-1021.	1.0	12
66	Structural evolution of hydrothermal carbon spheres induced by high temperatures and their electrical properties under compression. Carbon, 2017, 121, 426-433.	5.4	25
67	A Review of Double-Walled and Triple-Walled Carbon Nanotube Synthesis and Applications. Applied Sciences (Switzerland), 2016, 6, 109.	1.3	44
68	Linear carbon chains inside multi-walled carbon nanotubes: Growth mechanism, thermal stability and electrical properties. Carbon, 2016, 107, 217-224.	5.4	33
69	Densifying and strengthening of electrospun polyacrylonitrileâ€based nanofibers by uniaxial twoâ€step stretching. Journal of Applied Polymer Science, 2016, 133, .	1.3	15
70	Spontaneously restored electrical conductivity of bioactive gel comprising mussel adhesive protein-coated carbon nanotubes. RSC Advances, 2016, 6, 87044-87048.	1.7	7
71	Electrically conductive cement mortar: Incorporating rice husk-derived high-surface-area graphene. Construction and Building Materials, 2016, 125, 632-642.	3.2	52
72	Optical sensitivity of mussel protein-coated double-walled carbon nanotubes on the ironâ€“DOPA conjugation bond. RSC Advances, 2016, 6, 16308-16313.	1.7	1

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73	Multiple exciton generation induced enhancement of the photoresponse of pulsed-laser-ablation synthesized single-wall-carbon-nanotube/PbS-quantum-dots nanohybrids. Scientific Reports, 2016, 6, 20083.	1.6	23
74	Thermal treatment-induced structural changes in graphene nanoribbons obtained from partially unzipped double-walled carbon nanotubes. RSC Advances, 2016, 6, 91562-91566.	1.7	1
75	Capacitive properties of hierarchically structured carbon nanofiber/graphene/MnO2 hybrid electrode with nitrogen and oxygen heteroatoms. Carbon, 2016, 107, 783-791.	5.4	44
76	Tailoring the pore structure of carbon nanofibers for achieving ultrahigh-energy-density supercapacitors using ionic liquids as electrolytes. Journal of Materials Chemistry A, 2016, 4, 4763-4770.	5.2	56
77	Elucidating the local interfacial structure of highly photoresponsive carbon nanotubes/PbS-QDs based nanohybrids grown by pulsed laser deposition. Carbon, 2016, 96, 145-152.	5.4	15
78	Synthesis and characterization of graphene from rice husks. Tanso, 2016, 2016, 182-190.	0.1	7
79	CNT Buckypaper-Polyurethane Composite with Enhanced Strength, Toughness and Flexible. Composites Research, 2016, 29, 161-166.	0.1	0
80	Flexible Transparent Conducting Films Composed of Photochemically Oxidized Thin Multi-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2016, 16, 11980-11985.	0.9	2
81	Electro-conductively deposited carbon fibers for power controllable heating elements. RSC Advances, 2015, 5, 26998-27002.	1.7	5
82	Shellâ€“core structured carbon fibers via melt spinning of petroleum- and wood-processing waste blends. Carbon, 2015, 85, 194-200.	5.4	26
83	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>G</mml:mi><mml:mo>â€²</mml:mo></mml:msup></m in double- and triple-walled carbon nanotubes: A Raman study. Physical Review B, 2015, 91, .	1.1	16
84	Effect of the Size and Position of Ion-Accessible Nanoholes on the Specific Capacitance of Single-Walled Carbon Nanohorns for Supercapacitor Applications. Journal of Physical Chemistry C, 2015, 119, 2935-2940.	1.5	32
85	Carbonaceous Anode Materials. Green Energy and Technology, 2015, , 135-156.	0.4	0
86	Efficient and highly selective boron-doped carbon materials-catalyzed reduction of nitroarenes. Chemical Communications, 2015, 51, 13086-13089.	2.2	84
87	Low interfacial contact resistance of Al-graphene composites via interface engineering. Nanotechnology, 2015, 26, 215603.	1.3	9
88	Rationally engineered surface properties of carbon nanofibers for the enhanced supercapacitive performance of binary metal oxide nanosheets. Journal of Materials Chemistry A, 2015, 3, 19867-19872.	5.2	13
89	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.	5.2	81
90	Compressive strength sensitivity of cement mortar using rice husk-derived graphene with a high specific surface area. Construction and Building Materials, 2015, 96, 189-197.	3.2	67

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91	Efficient Metal-Free Catalytic Reaction Pathway for Selective Oxidation of Substituted Phenols. ACS Catalysis, 2015, 5, 5921-5926.	5.5	31
92	Electrochemical role of oxygen containing functional groups on activated carbon electrode. RSC Advances, 2014, 4, 62678-62683.	1.7	17
93	An environmentally friendly approach to functionalizing carbon nanotubes for fabricating a strong biocomposite Film. RSC Advances, 2014, 4, 5382.	1.7	6
94	Rice Huskâ€Derived Graphene with Nanoâ€Sized Domains and Clean Edges. Small, 2014, 10, 2766-2770.	5.2	181
95	Role of Intertube Interactions in Double- and Triple-Walled Carbon Nanotubes. ACS Nano, 2014, 8, 1330-1341.	7.3	24
96	Importance of open, heteroatom-decorated edges in chemically doped-graphene for supercapacitor applications. Journal of Materials Chemistry A, 2014, 2, 9532-9540.	5.2	91
97	Molybdenum-encapsulation modified the optical property of single walled carbon nanotubes. RSC Advances, 2014, 4, 54747-54751.	1.7	0
98	Defect-Assisted Heavily and Substitutionally Boron-Doped Thin Multiwalled Carbon Nanotubes Using High-Temperature Thermal Diffusion. Journal of Physical Chemistry C, 2014, 118, 4454-4459.	1.5	17
99	The synergistic effect of the combined thin multi-walled carbon nanotubes and reduced graphene oxides on photothermally actuated shape memory polyurethane composites. Journal of Colloid and Interface Science, 2014, 432, 128-134.	5.0	75
100	Soluble conducting polymer-functionalized graphene oxide for air-operable actuator fabrication. Journal of Materials Chemistry A, 2014, 2, 4788-4794.	5.2	23
101	A selective way to create defects by the thermal treatment of fluorinated double walled carbon nanotubes. Chinese Journal of Catalysis, 2014, 35, 864-868.	6.9	7
102	Hydrogen-assisted pulsed KrF-laser irradiation for the in situ photoreduction of graphene oxide films. Carbon, 2014, 77, 857-867.	5.4	20
103	Double-walled carbon nanotubes: synthesis, structural characterization, and application. Carbon Letters, 2014, 15, 77-88.	3.3	35
104	Mechanically Tough, Electrically Conductive Polyethylene Oxide Nanofiber Web Incorporating DNA-Wrapped Double-Walled Carbon Nanotubes. ACS Applied Materials & Interfaces, 2013, 5, 4150-4154.	4.0	20
105	An efficient, reusable copper-oxide/carbon-nanotube catalyst for N-arylation of imidazole. Carbon, 2013, 62, 135-148.	5.4	90
106	A reversible strain-induced electrical conductivity in cup-stacked carbon nanotubes. Nanoscale, 2013, 5, 10212.	2.8	12
107	Biocomposites: Mechanically Robust, Electrically Conductive Biocomposite Films Using Antimicrobial Chitosan-Functionalized Graphenes (Part. Part. Syst. Charact. 8/2013). Particle and Particle Systems Characterization, 2013, 30, 648-648.	1.2	0
108	Large Area Films of Alternating Grapheneâ€“Carbon Nanotube Layers Processed in Water. ACS Nano, 2013, 7, 10788-10798.	7.3	85

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109	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.	1.5	93
110	Boron-assisted coalescence of parallel multi-walled carbon nanotubes. RSC Advances, 2013, 3, 26266.	1.7	5
111	Carbon Nanotube Core Graphitic Shell Hybrid Fibers. ACS Nano, 2013, 7, 10971-10977.	7.3	18
112	Mechanically Robust, Electrically Conductive Biocomposite Films Using Antimicrobial Chitosanâ€Functionalized Graphenes. Particle and Particle Systems Characterization, 2013, 30, 721-727.	1.2	46
113	Iron Particle Nanodrilling of Few Layer Graphene at Low Electron Beam Accelerating Voltages. Particle and Particle Systems Characterization, 2013, 30, 76-82.	1.2	9
114	Characterization of Bundled and Individual Triple-Walled Carbon Nanotubes by Resonant Raman Spectroscopy. ACS Nano, 2013, 7, 2381-2387.	7.3	30
115	Formation of Nitrogen-Doped Graphene Nanoribbons via Chemical Unzipping. ACS Nano, 2013, 7, 2192-2204.	7.3	80
116	Controlled interlayer spacing of scrolled reduced graphene nanotubes by thermal annealing. RSC Advances, 2013, 3, 4161.	1.7	13
117	Important roles of graphene edges in carbon-based energy storage devices. Journal of Energy Chemistry, 2013, 22, 183-194.	7.1	32
118	Controlled Synthesis and Transfer of Large-Area WS₂ Sheets: From Single Layer to Few Layers. ACS Nano, 2013, 7, 5235-5242.	7.3	534
119	Thermal-Treatment-Induced Enhancement in Effective Surface Area of Single-Walled Carbon Nanohorns for Supercapacitor Application. Journal of Physical Chemistry C, 2013, 117, 25877-25883.	1.5	39
120	Surface Modification of Electrospun Polyvinylidene Fluoride Nanofiber Membrane by Plasma Treatment for Protein Detection. Journal of Nanoscience and Nanotechnology, 2013, 13, 674-677.	0.9	9
121	Intensive synergetic Cs adsorbent incorporated with polymer spongiform for scalable purification without post filtration. Materials Express, 2013, 3, 21-29.	0.2	16
122	Preparation and structure analysis of double wall-carbon nanotubes encapsulating gadolinium trichloride nanowires. Tanso, 2013, 2013, 279-283.	0.1	0
123	Multiple intra-tube junctions in the inner tube of peapod-derived double walled carbon nanotubes: theoretical study and experimental evidence. Nanoscale, 2012, 4, 130-136.	2.8	16
124	Highly Conductive One-Dimensional Manganese Oxide Wires by Coating with Graphene Oxides. Applied Physics Express, 2012, 5, 105001.	1.1	1
125	Raman Spectroscopy of Boron-Doped Single-Layer Graphene. ACS Nano, 2012, 6, 6293-6300.	7.3	245
126	Superconductivity in Bundles of Double-Wall Carbon Nanotubes. Scientific Reports, 2012, 2, 625.	1.6	43

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127	Clean Nanotube Unzipping by Abrupt Thermal Expansion of Molecular Nitrogen: Graphene Nanoribbons with Atomically Smooth Edges. ACS Nano, 2012, 6, 2261-2272.	7.3	54
128	Nitrogen-doped graphene: beyond single substitution and enhanced molecular sensing. Scientific Reports, 2012, 2, 586.	1.6	563
129	Determination of the stacking order of curved few-layered graphene systems. Nanoscale, 2012, 4, 6419.	2.8	5
130	Singleâ€wall carbon nanotube interactions with copperâ€oxamato building block of moleculeâ€based magnets probed by resonance Raman spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 1951-1956.	1.2	7
131	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.	2.0	69
132	Carbon Nanotubes Induce Bone Calcification by Bidirectional Interaction with Osteoblasts. Advanced Materials, 2012, 24, 2176-2185.	11.1	63
133	Edgeâ€Enriched, Porous Carbonâ€Based, High Energy Density Supercapacitors for Hybrid Electric Vehicles. ChemSusChem, 2012, 5, 535-541.	3.6	63
134	Catalytic metal-free formation of multi-walled carbon nanotubes in atmospheric arc discharge. Carbon, 2012, 50, 4588-4595.	5.4	40
135	Fabrication of electrospun PVDF nanofiber membrane for Western blot with high sensitivity. Journal of Membrane Science, 2012, 389, 349-354.	4.1	34
136	Purification and structural evolution of carbon nanoscrolls by heat treatment. Tanso, 2012, 2012, 231-236.	0.1	0
137	Unusually High Dispersion of Nitrogen-Doped Carbon Nanotubes in DNA Solution. Journal of Physical Chemistry B, 2011, 115, 14295-14300.	1.2	8
138	Electron Beam Irradiation-Enhanced Wettability of Carbon Fibers. ACS Applied Materials & Interfaces, 2011, 3, 119-123.	4.0	29
139	Enhanced electrical conductivities of N-doped carbon nanotubes by controlled heat treatment. Nanoscale, 2011, 3, 4359.	2.8	60
140	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.	18.7	146
141	Elucidation of the Reinforcing Mechanism in Carbon Nanotube/Rubber Nanocomposites. ACS Nano, 2011, 5, 3858-3866.	7.3	117
142	Chirality-Dependent Transport in Double-Walled Carbon Nanotube Assemblies: The Role of Inner Tubes. ACS Nano, 2011, 5, 7547-7554.	7.3	28
143	Solvent-induced porosity control of carbon nanofiber webs for supercapacitor. Journal of Power Sources, 2011, 196, 10496-10501.	4.0	72
144	Evaluation of CNT toxicity by comparison to tattoo ink. Materials Today, 2011, 14, 434-440.	8.3	19

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145	Pulsed KrF-laser synthesis of single-wall-carbon-nanotubes: effects of catalyst content and furnace temperature on their nanostructure and photoluminescence properties. Journal of Nanoparticle Research, 2011, 13, 5759-5767.	0.8	16
146	Optically and Biologically Active Mussel Proteinâ€Coated Doubleâ€Walled Carbon Nanotubes. Small, 2011, 7, 3292-3297.	5.2	31
147	Bulk Synthesis of Narrow Diameter and Highly Crystalline Tripleâ€Walled Carbon Nanotubes by Coalescing Fullerene Peapods. Advanced Materials, 2011, 23, 1761-1764.	11.1	25
148	Thermostable Natural Rubber with Cellular Structure Using Thin Multiwalled Carbon Nanotubes. ChemSusChem, 2011, 4, 931-934.	3.6	3
149	Exocellulase Activity of Cellobiohydrolase Immobilized on DNAâ€Wrapped Singleâ€Walled Carbon Nanotubes. ChemSusChem, 2011, 4, 1595-1597.	3.6	1
150	Surface Chemistry in the Process of Coating Mesoporous SiO₂ onto Carbon Nanotubes Driven by the Formation of Sïï£¿Oï£¿C Bonds. Chemistry - A European Journal, 2011, 17, 3228-3237.	1.7	50
151	Behavior of the high frequency Raman modes of double-wall carbon nanotubes after doping with bromine or iodine vapors. Carbon, 2011, 49, 3585-3596.	5.4	19
152	Atomic layer coating of hafnium oxide on carbon nanotubes for high-performance field emitters. Applied Physics Letters, 2011, 99, .	1.5	12
153	Optical Spectroscopic Studies of Thermally Coalesced Single-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2010, 10, 3878-3883.	0.9	0
154	High-capacitance supercapacitors using nitrogen-decorated porous carbon derived from novolac resin containing peptide linkage. Electrochimica Acta, 2010, 55, 5624-5628.	2.6	19
155	Proteomics-based safety evaluation of multi-walled carbon nanotubes. Toxicology and Applied Pharmacology, 2010, 242, 256-262.	1.3	65
156	Boron Atoms as Loop Accelerator and Surface Stabilizer in Plateletâ€Type Carbon Nanofibers. ChemPhysChem, 2010, 11, 2345-2348.	1.0	15
157	Covalent Attachment of Aromatic Diisocyanate to the Sidewalls of Single- and Double-Walled Carbon Nanotubes. European Journal of Inorganic Chemistry, 2010, 2010, 4305-4308.	1.0	11
158	Electroactive shape memory performance of polyurethane composite having homogeneously dispersed and covalently crosslinked carbon nanotubes. Carbon, 2010, 48, 1598-1603.	5.4	123
159	A simple route to short cup-stacked carbon nanotubes by sonication. Carbon, 2010, 48, 3643-3647.	5.4	9
160	Sensitive G-Band Raman Features for the Electrical Conductivity of Multi-Walled Carbon Nanotubes. Journal of Nanoscience and Nanotechnology, 2010, 10, 3940-3944.	0.9	6
161	Raman and Fluorescence Spectroscopic Studies of a DNA-Dispersed Double-Walled Carbon Nanotube Solution. ACS Nano, 2010, 4, 1060-1066.	7.3	25
162	High-Performance Rubber Sealant for Preventing Water Leaks. Industrial & Engineering Chemistry Research, 2010, 49, 9798-9802.	1.8	12

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163	Observation of magnetic edge state in graphene nanoribbons. Physical Review B, 2010, 81, .	1.1	132
164	Exposed Edge Planes of Cup-Stacked Carbon Nanotubes for an Electrochemical Capacitor. Journal of Physical Chemistry Letters, 2010, 1, 2099-2103.	2.1	33
165	Optically Active Multi-Walled Carbon Nanotubes for Transparent, Conductive Memory-Shape Polyurethane Film. Macromolecules, 2010, 43, 6106-6112.	2.2	81
166	Wall-to-wall stress induced in (6,5) semiconducting nanotubes by encapsulation in metallic outer tubes of different diameters: A resonance Raman study of individual C60-derived double-wall carbon nanotubes. Nanoscale, 2010, 2, 406-411.	2.8	25
167	Photocatalysis-induced selective decoration of semiconducting single walled carbon nanotubes: hole-doping effect. Chemical Communications, 2010, 46, 6977.	2.2	3
168	Swelling and interfacial characterization of multi-walled carbon nanotubes/natural rubber composites. Tanso, 2010, 2010, 147-152.	0.1	1
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