Hisanori Shinohara

List of Publications by Year
in descending order

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392 papers	17,906 citations	13099 68 h-index	22166 113 g-index
416 all docs	416 docs citations	416 times ranked	12253 citing authors

#	Article	IF	Citations
1	Microscopic Mechanism of Van der Waals Heteroepitaxy in the Formation of MoS2/hBN Vertical Heterostructures. ACS Omega, 2020, 5, 31692-31699.	3.5	5
2	Efficient growth and characterization of one-dimensional transition metal tellurides inside carbon nanotubes. Nanoscale, 2020, 12, 17185-17190.	5.6	20
3	Concise, Singleâ€Step Synthesis of Sulfurâ€Enriched Graphene: Immobilization of Molecular Clusters and Battery Applications. Angewandte Chemie - International Edition, 2020, 59, 7836-7841.	13.8	16
4	Momentum-forbidden dark excitons in hBN-encapsulated monolayer MoS2. Npj 2D Materials and Applications, 2019, 3, .	7.9	25
5	Turning On the Near-Infrared Photoluminescence of Erbium Metallofullerenes by Covalent Modification. Inorganic Chemistry, 2019, 58, 14325-14330.	4.0	12
6	Exciton Diffusion in hBN-encapsulated Monolayer MoSe2. , 2019, , .		0
7	Rock-salt and helix structures of silver iodides under ambient conditions. National Science Review, 2019, 6, 767-774.	9.5	11
8	Excitedâ€State Charge Transfer in Covalently Functionalized MoS₂ with a Zinc Phthalocyanine Donorâ€“Acceptor Hybrid. Angewandte Chemie, 2019, 131, 5768-5773.	2.0	19
9	Isolation of Single-Wired Transition-Metal Monochalcogenides by Carbon Nanotubes. Nano Letters, 2019, 19, 4845-4851.	9.1	61
10	Excitedâ€State Charge Transfer in Covalently Functionalized MoS₂ with a Zinc Phthalocyanine Donorâ€“Acceptor Hybrid. Angewandte Chemie - International Edition, 2019, 58, 5712-5717.	13.8	52
11	Bottom-up microwave-assisted preparation of poly(methacrylic acid)-MoS2 hybrid material. Chemical Physics Letters, 2019, 716, 1-5.	2.6	4
12	Direct and Indirect Interlayer Excitons in a van der Waals Heterostructure of hBN/WS₂/MoS₂/hBN. ACS Nano, 2018, 12, 2498-2505.	14.6	96
13	Peapods: Exploring the inner space of carbon nanotubes. Japanese Journal of Applied Physics, 2018, 57, 020101.	1.5	11
14	Bandâ€Gap Engineering of Graphene Heterostructures by Substitutional Doping with B 3 N 3. ChemPhysChem, 2018, 19, 237-242.	2.1	7
15	Temperature and pressure induced Raman studies of C60 oxide. Journal of Applied Physics, 2018, 124, .	2.5	2
16	Isolation and structure determination of missing fullerenes Gd@C ₇₄ (CF ₃) _n through in situ trifluoromethylation. Royal Society Open Science, 2018, 5, 181015.	2.4	7
17	Determining addition pathways and stable isomers for CF 3 functionalization of endohedral Gd@C 60. Royal Society Open Science, 2018, 5, 180588.	2.4	3
18	Extended-conjugation Ï€-electron systems in carbon nanotubes. Scientific Reports, 2018, 8, 8098.	3.3	20

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19	Crystalline functionalized endohedral C60 metallofullerides. Nature Communications, 2018, 9, 3073.	12.8	27
20	Ultrafast Charge Transfer and Relaxation Dynamics in Polymer-Encapsulating Single-Walled Carbon Nanotubes: Polythiophene and Coronene Polymer. Journal of Physical Chemistry C, 2018, 122, 16940-16949.	3.1	12
21	DySc₂N@C₈₀ Single-Molecule Magnetic Metallofullerene Encapsulated in a Single-Walled Carbon Nanotube. Journal of the American Chemical Society, 2018, 140, 10955-10959.	13.7	60
22	Synthesis of Long-chain Polythiophene inside Carbon Nanotubes. Chemistry Letters, 2018, 47, 1022-1025.	1.3	9
23	Thermal Conductivity of M@C₈₂ [M = Dy, Gd] Thin Films. Journal of Physical Chemistry C, 2017, 121, 3642-3647.	3.1	4
24	Development of Gd₃N@C₈₀ encapsulated redox nanoparticles for high-performance magnetic resonance imaging. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 1036-1050.	3.5	8
25	Observation of biexcitonic emission at extremely low power density in tungsten disulfide atomic layers grown on hexagonal boron nitride. Scientific Reports, 2017, 7, 322.	3.3	32
26	CF₂â€Bridged C₆₀ Fullerene Dimers and their Optical Transitions. ChemPhysChem, 2017, 18, 3540-3543.	2.1	2
27	Modulation of thermal and thermoelectric transport in individual carbon nanotubes by fullerene encapsulation. Nature Materials, 2017, 16, 892-897.	27.5	99
28	Capturing the Unconventional Metallofullerene M@C₆₆ by Trifluoromethylation: A Theoretical Study. ChemPhysChem, 2017, 18, 3007-3011.	2.1	4
29	Modulation of the Local Density of States of Carbon Nanotubes by Encapsulation of Europium Nanowires As Observed by Scanning Tunneling Microscopy and Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 18195-18201.	3.1	2
30	Non-Chromatographic Purification of Endohedral Metallofullerenes. Molecules, 2017, 22, 718.	3.8	8
31	Molecular beam epitaxy growth of monolayer niobium diselenide flakes. Applied Physics Letters, 2016, 109, .	3.3	30
32	Efficient preparation of graphene liquid cell utilizing direct transfer with large-area well-stitched graphene. Chemical Physics Letters, 2016, 650, 107-112.	2.6	32
33	All-Carbon Nanosized Hybrid Materials: Fluorescent Carbon Dots Conjugated to Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2016, 120, 8550-8558.	3.1	15
34	Ultrafast Energy Transfer from Fluorene Polymers to Single-Walled Carbon Nanotubes in Wrapped Carbon Nanotube Bundles. Journal of Physical Chemistry C, 2016, 120, 4647-4652.	3.1	16
35	Isolation and Structure Determination of a Missing Endohedral Fullerene La@C₇₀ through Inâ€...Situ Trifluoromethylation. Angewandte Chemie - International Edition, 2016, 55, 199-202.	13.8	31
36	Near-Infrared Photoluminescence Properties of Endohedral Mono- and Dithulium Metallofullerenes. ACS Nano, 2016, 10, 4282-4287.	14.6	20

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37	Another big discoveryâ€"metallofullerenes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150325.	3.4	1
38	Single atom spectroscopy: Decreased scattering delocalization at high energy losses, effects of atomic movement and X-ray fluorescence yield. Ultramicroscopy, 2016, 160, 239-246.	1.9	12
39	Fabrication and In Situ Transmission Electron Microscope Characterization of Free-Standing Graphene Nanoribbon Devices. ACS Nano, 2016, 10, 1475-1480.	14.6	31
40	20-kV Diffractive Imaging of Graphene by using an SEM-based Dedicated Microscope. Microscopy and Microanalysis, 2015, 21, 35-36.	0.4	0
41	Template Synthesis of Linearâ€Chain Nanodiamonds Inside Carbon Nanotubes from Bridgeheadâ€Halogenated Diamantane Precursors. Angewandte Chemie - International Edition, 2015, 54, 10802-10806.	13.8	44
42	Selective Formation of Zigzag Edges in Graphene Cracks. ACS Nano, 2015, 9, 9027-9033.	14.6	24
43	Large fullerenes in mass spectra. Molecular Physics, 2015, 113, 2359-2361.	1.7	10
44	Core-Level Spectroscopy to Probe the Oxidation State of Single Europium Atoms. Physical Review Letters, 2015, 114, 197602.	7.8	12
45	Nano-Saturn: Energetics of the Inclusion Process of C₆₀ into Cyclohexabiphenylene. Journal of Physical Chemistry C, 2015, 119, 8931-8936.	3.1	14
46	Fabrication and Optical Probing of Highly Extended, Ultrathin Graphene Nanoribbons in Carbon Nanotubes. ACS Nano, 2015, 9, 5034-5040.	14.6	36
47	Ultraviolet photoelectron spectra of Sc3C2@C80. Chemical Physics Letters, 2015, 634, 98-100.	2.6	2
48	Ultraviolet photoelectron spectra of Ce2@C80 and La2@C80. Chemical Physics, 2015, 447, 71-75.	1.9	11
49	Minimal inflammogenicity of pristine single-wall carbon nanotubes. Nagoya Journal of Medical Science, 2015, 77, 195-202.	0.3	12
50	Rayleigh scattering studies on inter-layer interactions in structure-defined individual double-wall carbon nanotubes. Nano Research, 2014, 7, 1548-1555.	10.4	18
51	The Early Days of Metallofullerene Research. , 2014, , 1-18.		0
52	Bottom-up formation of endohedral mono-metallofullerenes is directed by charge transfer. Nature Communications, 2014, 5, 5844.	12.8	69
53	Observation and Characterization of Fragile Organometallic Molecules Encapsulated in Single-Wall Carbon Nanotubes. Journal of Nanomaterials, 2014, 2014, 1-5.	2.7	1
54	Quantitative Analysis of Isolated Single-Wall Carbon Nanotubes with Their Molar Absorbance Coefficients. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	7

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55	Structure of Tm2 and Tm2C2 encapsulated in low-symmetry C82(Cs(6)) fullerene cage by single crystal X-ray diffraction. Chemical Physics Letters, 2014, 600, 38-42.	2.6	20
56	Metal catalyst-free mist flow chemical vapor deposition growth of single-wall carbon nanotubes using C60 colloidal solutions. Carbon, 2014, 68, 80-86.	10.3	12
57	Sizeâ€Selective Complexation and Extraction of Endohedral Metallofullerenes with Cycloparaphenylene. Angewandte Chemie - International Edition, 2014, 53, 3102-3106.	13.8	144
58	Organicâ€“Inorganic Azafullereneâ€Gold C₅₉Nâ€Au Nanohybrid: Synthesis, Characterization, and Properties. Chemistry - A European Journal, 2014, 20, 14729-14735.	3.3	4
59	Direct Chemical Vapor Deposition Growth of WS₂ Atomic Layers on Hexagonal Boron Nitride. ACS Nano, 2014, 8, 8273-8277.	14.6	267
60	Synthesis and TEM structural characterization of C60-flattened carbon nanotube nanopeapods. Nano Research, 2014, 7, 1843-1848.	10.4	16
61	Drastic Change in Photoluminescence Properties of Graphene Quantum Dots by Chromatographic Separation. Advanced Optical Materials, 2014, 2, 983-989.	7.3	73
62	Direct observation of zipper-like wall-to-wall coalescence of double-wall carbon nanotubes. Carbon, 2014, 71, 159-165.	10.3	4
63	Metal-Dependent Stability of Pristine and Functionalized Unconventional Dimetallofullerene M₂@I_h-C₈₀. Journal of Physical Chemistry C, 2014, 118, 13953-13958.	3.1	43
64	Evidence of Diamond Nanowires Formed inside Carbon Nanotubes from Diamantane Dicarboxylic Acid. Angewandte Chemie - International Edition, 2013, 52, 3717-3721.	13.8	71
65	Ultrafast formation and decay dynamics of trions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-doped single-walled carbon nanotubes. Physical Review B, 2013, 87, .	3.2	31
66	Missing Smallâ€Bandgap Metallofullerenes: Their Isolation and Electronic Properties. Angewandte Chemie - International Edition, 2013, 52, 11770-11774.	13.8	47
67	Thermal/electron irradiation assisted coalescence of Sc3N@C80 fullerene in carbon nanotube and evidence of charge transfer between pristine/coalesced fullerenes and nanotubes. Nanoscale, 2013, 5, 11755.	5.6	9
68	Transient Absorption Kinetics Associated with Higher Exciton States in Semiconducting Single-Walled Carbon Nanotubes: Relaxation of Excitons and Phonons. Journal of Physical Chemistry C, 2013, 117, 20289-20299.	3.1	17
69	Chirally selective growth and extraction of single-wall carbon nanotubes via fullerene nano-peapods. RSC Advances, 2013, 3, 16954.	3.6	16
70	Ultraviolet photoelectron spectra of Lu atoms encapsulated C2â€“C82 fullerenes. Chemical Physics Letters, 2013, 555, 222-225.	2.6	6
71	A Structural Diagnostics Diagram for Metallofullerenes Encapsulating Metal Carbides and Nitrides. Journal of the American Chemical Society, 2013, 135, 918-923.	13.7	17
72	Electronic structure of Sc3N@C68. Chemical Physics, 2013, 421, 39-43.	1.9	5

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73	Structure of Tm@C₈₂(I) Metallofullerene by Single-Crystal X-ray Diffraction Using the 1:2 Co-Crystal with Octaethylporphyrin Nickel (Ni(OEP)). Journal of Physical Chemistry C, 2013, 117, 6437-6442.	3.1	17
74	Thin single-wall BN-nanotubes formed inside carbon nanotubes. Scientific Reports, 2013, 3, 1385.	3.3	58
75	Photophysics in Single-Walled Carbon Nanotubes with (6,4) Chirality at High Excitation Densities: Bimolecular Auger Recombination and Phase-Space Filling of Excitons. Journal of Physical Chemistry C, 2013, 117, 1974-1981.	3.1	16
76	STM and STS Studies on the Density of States Modulation of Pr@C₈₂ and Sc₃C₂@C₈₀ Binary-Metallofullerene Peapods. Journal of Physical Chemistry C, 2013, 117, 6966-6971.	3.1	3
77	Growth of carbon nanotubes via twisted graphene nanoribbons. Nature Communications, 2013, 4, 2548.	12.8	89
78	Perfectly Ordered Two-Dimensional Layer Structures Found in Some Endohedral Metallofullerenes. Crystal Growth and Design, 2013, 13, 3632-3636.	3.0	4
79	Trion dynamics in hole-doped single-walled carbon nanotubes. , 2013, , .		2
80	Element-selective charge density visualization of endohedral metallofullerenes using synchrotron X-ray multi-wavelength anomalous powder diffraction data. Journal of Applied Crystallography, 2013, 46, 649-655.	4.5	4
81	Intraperitoneal administration of tangled multiwalled carbon nanotubes of 15â€‰nm in diameter does not induce mesothelial carcinogenesis in rats. Pathology International, 2013, 63, 457-462.	1.3	47
82	Ultrafast luminescence kinetics of metallic single-walled carbon nanotubes: Possible evidence for excitonic luminescence. Physical Review B, 2012, 85, .	3.2	10
83	Electronic structure of Eu atomic wires encapsulated inside single-wall carbon nanotubes. Physical Review B, 2012, 86, .	3.2	29
84	Carbon Nanotubes Encapsulating Atoms and Molecules. Hyomen Kagaku, 2012, 33, 563-568.	0.0	0
85	The Origin and Mechanism of Non-HPLC Purification of Metallofullerenes with TiCl₄. Journal of Physical Chemistry C, 2012, 116, 25563-25567.	3.1	32
86	Photoelectron Spectroscopy of Sc₃N@C₇₈. Journal of Physical Chemistry C, 2012, 116, 165-170.	3.1	8
87	Non-HPLC Rapid Separation of Metallofullerenes and Empty Cages with TiCl₄ Lewis Acid. Journal of the American Chemical Society, 2012, 134, 9762-9767.	13.7	70
88	Synthesis and Transformation of Linear Adamantane Assemblies inside Carbon Nanotubes. ACS Nano, 2012, 6, 8674-8683.	14.6	70
89	CONTROLLABLE CHEMICAL VAPOR DEPOSITION SYNTHESIS OF SINGLE-WALL CARBON NANOTUBES USING MIST FLOW METHOD. Nano, 2012, 07, 1250045.	1.0	5
90	The Smallest Stable Fullerene, M@C₂₈ (M = Ti, Zr, U): Stabilization and Growth from Carbon Vapor. Journal of the American Chemical Society, 2012, 134, 9380-9389.	13.7	165

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91	Fabrication of a Carbonâ€Nanotubeâ€Based Fieldâ€Effect Transistor by Microcontact Printing. Small, 2012, 8, 2258-2263.	10.0	14
92	In pursuit of nanocarbons. Chemical Record, 2012, 12, 296-305.	5.8	9
93	Dimerization-Initiated Preferential Formation of Coronene-Based Graphene Nanoribbons in Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 15141-15145.	3.1	87
94	Ultrafast energy transfer of one-dimensional excitons between carbon nanotubes: a femtosecond time-resolved luminescence study. Physical Chemistry Chemical Physics, 2012, 14, 1070-1084.	2.8	33
95	Size-selective synthesis of [9]â€“[11] and [13]cycloparaphenylenes. Chemical Science, 2012, 3, 2340.	7.4	132
96	Short channel field-effect transistors from highly enriched semiconducting carbon nanotubes. Nano Research, 2012, 5, 388-394.	10.4	40
97	Ultraviolet photoelectron spectra of Er2@C82 (I), Er2@C82 (III), Er2C2@C82 (I) and Er2C2@C82 (III). Chemical Physics, 2012, 397, 87-91.	1.9	16
98	Preferential synthesis and isolation of (6,5) single-wall nanotubes from one-dimensional C60 coalescence. Nanoscale, 2011, 3, 4190.	5.6	33
99	Thin-Film Transistors with Length-Sorted DNA-Wrapped Single-Wall Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 270-273.	3.1	25
100	Irregular Modulation of Density-of-States of Nano-Peapods Encapsulating Gd@C₈₂Metallofullerenes. Journal of Physical Chemistry C, 2011, 115, 3968-3972.	3.1	4
101	Two-Dimensional Coalescence Dynamics of Encapsulated Metallofullerenes in Carbon Nanotubes. ACS Nano, 2011, 5, 10084-10089.	14.6	31
102	Metallofullerenes. Fundamental Theories of Physics, 2011, 41, 95-156.	0.3	1
103	Direct HRTEM Observation of Ultrathin Freestanding Ionic Liquid Film on Carbon Nanotube Grid. ACS Nano, 2011, 5, 4902-4908.	14.6	40
104	Growth of large-diameter (â^¼4 nm) single-wall carbon nanotubes in the nanospace of mesoporous material SBA-15. Carbon, 2011, 49, 5173-5179.	10.3	15
105	Ultrafast Exciton Energy Transfer between Nanoscale Coaxial Cylinders: Intertube Transfer and Luminescence Quenching in Double-Walled Carbon Nanotubes. ACS Nano, 2011, 5, 5881-5887.	14.6	30
106	Length-sorted semiconducting carbon nanotubes for high-mobility thin film transistors. Nano Research, 2011, 4, 963-970.	10.4	128
107	Diameterâ€Dependent Performance of Singleâ€Walled Carbon Nanotube Thinâ€Film Transistors. Advanced Materials, 2011, 23, 4631-4635.	21.0	39
108	Low voltage electron diffractive imaging of atomic structure in single-wall carbon nanotubes. Applied Physics Letters, 2011, 98, 174103.	3.3	23

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109	Diameter and rigidity of multiwalled carbon nanotubes are critical factors in mesothelial injury and carcinogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1330-8.	7.1	437
110	Bright Luminescence and Exciton Energy Transfer in Polymer-Wrapped Single-Walled Carbon Nanotube Bundles. Journal of Physical Chemistry Letters, 2010, 1, 3243-3248.	4.6	23
111	Exfoliation and Chemical Modification Using Microwave Irradiation Affording Highly Functionalized Graphene. ACS Nano, 2010, 4, 7499-7507.	14.6	150
112	Highâ€Performance Thinâ€Film Transistors with DNAâ€Assisted Solution Processing of Isolated Singleâ€Walled Carbon Nanotubes. Advanced Materials, 2010, 22, 2698-2701.	21.0	54
113	Photoreactivity Preservation of AgBr Nanowires in Confined Nanospaces. Advanced Materials, 2010, 22, 3156-3160.	21.0	19
114	Molecular recognition of La@C82 endohedral metallofullerene by an isophthaloyl-bridged porphyrin dimer. Tetrahedron Letters, 2010, 51, 5896-5899.	1.4	16
115	Ultraviolet photoelectron spectra of mono-metal endohedral fullerene Er@C82 (I). Chemical Physics, 2010, 378, 11-13.	1.9	10
116	Scanning tunnelling spectroscopy on the local electronic structure of Gd@C₈₂ peapods. Physica Status Solidi (B): Basic Research, 2010, 247, 3030-3032.	1.5	1
117	Chemically Induced, Thermally Controlled Peelâ€Off of the External Walls of Doubleâ€Walled Carbon Nanotubes. Small, 2010, 6, 2826-2831.	10.0	2
118	Carbon nanotubes: Chemically Induced, Thermally Controlled Peel-Off of the External Walls of Double-Walled Carbon Nanotubes (Small 24/2010). Small, 2010, 6, 2774-2774.	10.0	1
119	A layered ionic crystal of polar Li@C60 superatoms. Nature Chemistry, 2010, 2, 678-683.	13.6	275
120	A simple alcohol-chemical vapor deposition synthesis of single-layer graphenes using flash cooling. Applied Physics Letters, 2010, 96, .	3.3	81
121	Exchange interactions of spin-active metallofullerenes in solid-state carbon networks. Physical Review B, 2010, 81, .	3.2	8
122	Electron spin coherence in metallofullerenes: Y, Sc, and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La@C</mml:mtext></mml:mrow><mml:mrow><mml:mn>82</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2010, 82, .	3.2	35
123	Synthesis of Single-Walled Carbon Nanotubes Through Micropores of Surface-Treated Zeolites by Catalyst-Supported Chemical Vapor Deposition. Journal of Nanoscience and Nanotechnology, 2010, 10, 3919-3923.	0.9	2
124	Controlling intermolecular spin interactions of La@C82 in empty fullerene matrices. Physical Chemistry Chemical Physics, 2010, 12, 1618.	2.8	17
125	Molecular Orientation of Individual Lu@C₈₂Molecules Demonstrated by Scanning Tunneling Microscopy. Journal of Physical Chemistry C, 2010, 114, 14704-14709.	3.1	27
126	Solution-Phase Extraction of Ultrathin Inner Shells from Double-Wall Carbon Nanotubes. ACS Nano, 2010, 4, 5807-5812.	14.6	44

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127	Imidazolium modified carbon nanohorns: switchable solubility and stabilization of metal nanoparticles. Journal of Materials Chemistry, 2010, 20, 2959.	6.7	22
128	One-Dimensional Confined Motion of Single Metal Atoms inside Double-Walled Carbon Nanotubes. Physical Review Letters, 2009, 102, 195504.	7.8	38
129	Capturing the Motion of Molecular Nanomaterials Encapsulated within Carbon Nanotubes with Ultrahigh Temporal Resolution. ACS Nano, 2009, 3, 3037-3044.	14.6	25
130	STM TIP-CURRENT-INDUCED POLYMERIZATION OF C₆₀, Ce₂@C₈₀ AND Lu₂@C₇₆. Nano, 2009, 04, 281-287.	1.0	4
131	Highly Active and Selective Semihydrogenation of Alkynes with the Palladium Nanoparticlesâ€Tetrabutylammonium Borohydride Catalyst System. Advanced Synthesis and Catalysis, 2009, 351, 3143-3149.	4.3	65
132	Acuminated fluorescence of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si20.gif" display="inline" overflow="scroll"><mml:mrow><mml:msup><mml:mrow><mml:mtext>Er</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:m centres in endohedral fullerenes through the incarceration of a carbide cluster. Chemical Physics Letters, 2009, 476, 41-45.	2.6	13
133	Fabrication of single-wall carbon nanotubes within the channels of a mesoporous material by catalyst-supported chemical vapor deposition. Carbon, 2009, 47, 722-730.	10.3	21
134	Unsynchronized Diameter Changes of Doubleâ€Wall Carbon Nanotubes during Chemical Vapour Deposition Growth. Chemistry - an Asian Journal, 2009, 4, 955-960.	3.3	3
135	Determining exact molar absorbance coefficients of single-wall carbon nanotubes. Physical Chemistry Chemical Physics, 2009, 11, 1091.	2.8	14
136	Morphology and Melting Behavior of Ionic Liquids inside Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2009, 131, 14850-14856.	13.7	87
137	A new AFMâ€“HRTEM combined technique for probing isolated carbon nanotubes. Nanotechnology, 2009, 20, 225702.	2.6	3
138	MoirÃ© image patterns on double-walled carbon nanotubes observed by scanning tunneling microscopy. Physical Review B, 2009, 79, .	3.2	19
139	Electronic Structure of Yttrium and Carbon Atoms Encapsulated Metallofullerenes, Y2C2@C82: Ultraviolet Photoelectron Spectroscopy and Theoretical Calculation. Bulletin of the Chemical Society of Japan, 2009, 82, 963-967.	3.2	8
140	Synthesis of Single- and Double-Wall Carbon Nanotubes by Gas Flow-Modified Catalyst-Supported Chemical Vapor Deposition. IEICE Transactions on Electronics, 2009, E92-C, 1483-1486.	0.6	1
141	High yield synthesis and characterization of the structural and magnetic properties of crystalline ErCl3 nanowires in single-walled carbon nanotube templates. Nano Research, 2008, 1, 152-157.	10.4	48
142	La@C₈₂ as a spinâ€active filling of SWCNTs: ESR study of magnetic and photophysical properties. Physica Status Solidi (B): Basic Research, 2008, 245, 2042-2046.	1.5	8
143	Encapsulation of Fullerenes in a Helical PMMA Cavity Leading to a Robust Processable Complex with a Macromolecular Helicity Memory. Angewandte Chemie - International Edition, 2008, 47, 515-519.	13.8	154
144	Synthesis of single-wall carbon nanotubes grown from size-controlled Rh/Pd nanoparticles by catalyst-supported chemical vapor deposition. Chemical Physics Letters, 2008, 458, 346-350.	2.6	15

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145	Rotating Fullerene Chains in Carbon Nanopeapods. Nano Letters, 2008, 8, 2328-2335.	9.1	57
146	An efficient fabrication of vertically aligned carbon nanotubes on flexible aluminum foils by catalyst-supported chemical vapor deposition. Nanotechnology, 2008, 19, 245607.	2.6	38
147	Dynamics of Paramagnetic Metallofullerenes in Carbon Nanotube Peapods. Nano Letters, 2008, 8, 1005-1010.	9.1	48
148	Fabrication of Metal Nanowires in Carbon Nanotubes via Versatile Nano-Template Reaction. Nano Letters, 2008, 8, 693-699.	9.1	188
149	Element-Specific Magnetic Properties of Di-Erbium Er₂@C₈₂ and Er₂C₂@C₈₂ Metallofullerenes:â€‰ A Synchrotron Soft X-ray Magnetic Circular Dichroism Study. Journal of Physical Chemistry C, 2008, 112, 6103-6109.	3.1	30
150	Fabrication, Purification, and Characterization of Double-Wall Carbon Nanotubes via Pulsed Arc Discharge. Journal of Physical Chemistry C, 2008, 112, 19908-19915.	3.1	23
151	SOLID-STATE ¹³C AND ⁴⁵Sc NMR STUDIES ON ENDOHEDRAL SCANDIUM-CARBIDE METALLOFULLERENES: A MOTIONAL DYNAMICS OF Sc ATOMS IN FULLERENES. Nano, 2008, 03, 21-25.	1.0	4
152	Endohedral Metallofullerenes and Nano-Peapods. Japanese Journal of Applied Physics, 2007, 46, 881-891.	1.5	48
153	SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATION OF SALMON DNA-WRAPPED SINGLE-WALL CARBON NANOTUBES. Nano, 2007, 02, 295-299.	1.0	11
154	Enrichment of Small-Diameter Double-Wall Carbon Nanotubes Synthesized by Catalyst-Supported Chemical Vapor Deposition Using Zeolite Supports. Japanese Journal of Applied Physics, 2007, 46, 1797-1802.	1.5	10
155	Structural Stability and Transformation of Aligned C60and C70Fullerenes in Double-Wall and Triple-Wall Carbon Nanotube-Peapods. Journal of Physical Chemistry C, 2007, 111, 14652-14657.	3.1	18
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