

Thomas Pichler

List of Publications by Year in descending order

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370
papers

14,091
citations

16411

64
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29081

104
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docs citations

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times ranked

12924
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon nanotube-dependent synthesis of armchair graphene nanoribbons. <i>Nano Research</i> , 2022, 15, 1709-1714.	5.8	8
2	Tuning of photoluminescence intensity and Fermi level position of individual single-walled carbon nanotubes by molecule confinement. <i>Carbon</i> , 2022, 186, 423-430.	5.4	3
3	Electronic structure of confined carbyne from joint wavelength-dependent resonant Raman spectroscopy and density functional theory investigations. <i>Carbon</i> , 2022, 189, 276-283.	5.4	8
4	Tip-Enhanced Stokes–Anti-Stokes Scattering from Carbyne. <i>Nano Letters</i> , 2022, , .	4.5	7
5	Unravelling the Complete Raman Response of Graphene Nanoribbons Discerning the Signature of Edge Passivation. <i>Small Methods</i> , 2022, 6, .	4.6	2
6	Well-defined sub-nanometer graphene ribbons synthesized inside carbon nanotubes. <i>Carbon</i> , 2021, 171, 221-229.	5.4	23
7	Toward Confined Carbyne with Tailored Properties. <i>Nano Letters</i> , 2021, 21, 1096-1101.	4.5	27
8	Isotopic Labelling of Confined Carbyne. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9897-9901.	7.2	6
9	Isotopic Labelling of Confined Carbyne. <i>Angewandte Chemie</i> , 2021, 133, 9985-9989.	1.6	0
10	Controlling the Formation of Sodium/Black Phosphorus Intercalation Compounds Towards High Sodium Content. <i>Batteries and Supercaps</i> , 2021, 4, 1304-1309.	2.4	3
11	Deciphering the Intense Postgap Absorptions of Monolayer Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2021, 15, 7783-7789.	7.3	4
12	Anti-Stokes Raman Scattering of Single Carbyne Chains. <i>ACS Nano</i> , 2021, 15, 12249-12255.	7.3	20
13	Photothermal synthesis of confined carbyne. <i>Carbon</i> , 2021, 182, 348-353.	5.4	4
14	<i>In situ</i> laser annealing as pathway for the metal free synthesis of tailored nanographenes. <i>Nanoscale Advances</i> , 2021, 3, 703-709.	2.2	0
15	Unraveling the Excitonic Transition and Associated Dynamics in Confined Long Linear Carbon Chains with Time-Resolved Resonance Raman Scattering. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100259.	4.4	10
16	Diameter and metal-dependent growth properties of inner tubes inside metallocene-filled single-walled carbon nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2020, 28, 20-26.	1.0	8
17	Approaching the Shockley–Queisser limit for fill factors in lead–tin mixed perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , 2020, 8, 693-705.	5.2	33
18	Raman Scattering Cross Section of Confined Carbyne. <i>Nano Letters</i> , 2020, 20, 6750-6755.	4.5	30

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19	Incidence of Quantum Confinement on Dark Triplet Excitons in Carbon Nanotubes. ACS Nano, 2020, 14, 11254-11261.	7.3	9
20	Selective phase growth and precise-layer control in MoTe2. Communications Materials, 2020, 1, .	2.9	25
21	Exclusive Substitutional Nitrogen Doping on Graphene Decoupled from an Insulating Substrate. Journal of Physical Chemistry C, 2020, 124, 22150-22157.	1.5	5
22	Ultralong Spin Lifetime in Light Alkali Atom Doped Graphene. ACS Nano, 2020, 14, 7492-7501.	7.3	8
23	Probing Exciton Dispersions of Freestanding Monolayer WSe_2 by Momentum-Resolved Electron Energy-Loss Spectroscopy. Physical Review Letters. 2020. 124. 087401.	2.9	24
24	Reversible changes in the electronic structure of carbon nanotube-hybrids upon NO_2 exposure under ambient conditions. Journal of Materials Chemistry A, 2020, 8, 9753-9759.	5.2	4
25	Endohedral Functionalization of Metallicity-Sorted Single-Walled Carbon Nanotubes. Proceedings (mdpi), 2020, 56, .	0.2	4
26	Position and momentum mapping of vibrations in graphene nanostructures. Nature, 2019, 573, 247-250.	13.7	96
27	Oxidation stability of confined linear carbon chains, carbon nanotubes, and graphene nanoribbons as 1D nanocarbons. Nanoscale, 2019, 11, 15253-15258.	2.8	13
28	Improved Alkali Intercalation of Carbonaceous Materials in Ammonia Solution. Physica Status Solidi (B): Basic Research, 2019, 256, 1900324.	0.7	4
29	Nanoscale Vibrational Spectroscopy of Graphene by Large-q EELS. Microscopy and Microanalysis, 2019, 25, 612-613.	0.2	0
30	Towards controllable inner chirality in double-walled carbon nanotubes. Applied Physics Letters, 2019, 115, .	1.5	7
31	Toward a Predominant Substitutional Bonding Environment in B-Doped Single-Walled Carbon Nanotubes. ACS Omega, 2019, 4, 1941-1946.	1.6	4
32	Gitteröffnung durch reduktive kovalente Volumenfunktionalisierung von schwarzem Phosphor. Angewandte Chemie, 2019, 131, 5820-5826.	1.6	12
33	Lattice Opening upon Bulk Reductive Covalent Functionalization of Black Phosphorus. Angewandte Chemie - International Edition, 2019, 58, 5763-5768.	7.2	60
34	Exchange coupling in a frustrated trimetric molecular magnet reversed by a 1D nano-confinement. Nanoscale, 2019, 11, 10615-10621.	2.8	19
35	Wall- and Hybridisation-Selective Synthesis of Nitrogen-Doped Double-Walled Carbon Nanotubes. Angewandte Chemie, 2019, 131, 10382-10386.	1.6	2
36	Wall- and Hybridisation-Selective Synthesis of Nitrogen-Doped Double-Walled Carbon Nanotubes. Angewandte Chemie - International Edition, 2019, 58, 10276-10280.	7.2	4

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37	Metal-Organic Framework Co-MOF-74-Based Host-Guest Composites for Resistive Gas Sensing. ACS Applied Materials & Interfaces, 2019, 11, 14175-14181.	4.0	93
38	Revealing the doping effect of encapsulated lead halogenides on single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	15
39	Characterizing the maximum number of layers in chemically exfoliated graphene. Scientific Reports, 2019, 9, 19480.	1.6	14
40	Improved Laser-Based Photoluminescence on Single-Walled Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2019, 256, 1900235.	0.7	0
41	Improved Laser-Based Photoluminescence on Single-Walled Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2019, 256, 1970045.	0.7	0
42	Inner tube growth and electronic properties of metallicity-sorted nickelocene-filled semiconducting single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	13
43	Unravel the Active Site in Nitrogen-Doped Double-Walled Carbon Nanotubes for Nitrogen Dioxide Gas Sensor. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800004.	0.8	11
44	Chiral vector and metal catalyst-dependent growth kinetics of single-wall carbon nanotubes. Carbon, 2018, 133, 283-292.	5.4	21
45	Templated direct growth of ultra-thin double-walled carbon nanotubes. Nanoscale, 2018, 10, 21254-21261.	2.8	16
46	Acid Free Oxidation and Simple Dispersion Method of MWCNT for High-Performance CFRP. Nanomaterials, 2018, 8, 912.	1.9	29
47	Measurement of Optical Excitations in Low-Dimensional Materials by Using a Monochromated Electron Source. Microscopy and Microanalysis, 2018, 24, 1574-1575.	0.2	1
48	Direct Proof of a Defect-Modulated Gap Transition in Semiconducting Nanotubes. Nano Letters, 2018, 18, 3920-3925.	4.5	13
49	Fermi level engineering of metallicity-sorted metallic single-walled carbon nanotubes by encapsulation of few-atom-thick crystals of silver chloride. Journal of Materials Science, 2018, 53, 13018-13029.	1.7	21
50	Silver Chloride Encapsulation-Induced Modifications of Raman Modes of Metallicity-Sorted Semiconducting Single-Walled Carbon Nanotubes. Journal of Spectroscopy, 2018, 2018, 1-9.	0.6	18
51	Comparison of Doping Levels of Single-Walled Carbon Nanotubes Synthesized by Arc-Discharge and Chemical Vapor Deposition Methods by Encapsulated Silver Chloride. Physica Status Solidi (B): Basic Research, 2018, 255, 1800178.	0.7	11
52	Extraction of Linear Carbon Chains Unravels the Role of the Carbon Nanotube Host. ACS Nano, 2018, 12, 8477-8484.	7.3	26
53	Raman resonance profile of an individual confined long linear carbon chain. Carbon, 2018, 139, 581-585.	5.4	22
54	Very high boron-doping on single-walled carbon nanotubes from a solid precursor. Carbon, 2018, 140, 259-264.	5.4	10

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55	Carbon Nanotube Chirality Determines Properties of Encapsulated Linear Carbon Chain. Nano Letters, 2018, 18, 5426-5431.	4.5	60
56	An optically detected magnetic resonance spectrometer with tunable laser excitation and wavelength resolved infrared detection. Review of Scientific Instruments, 2017, 88, 013902.	0.6	7
57	2D Heterostructures Derived from MoS ₂ Templated, Cobalt-Containing Conjugated Microporous Polymer Sandwiches for the Oxygen Reduction Reaction and Electrochemical Energy Storage. ChemElectroChem, 2017, 4, 709-715.	1.7	30
58	Chirality-dependent growth of single-wall carbon nanotubes as revealed inside nano-test tubes. Nanoscale, 2017, 9, 7998-8006.	2.8	29
59	Doping of metal-organic frameworks towards resistive sensing. Scientific Reports, 2017, 7, 2439.	1.6	45
60	Exploring the Formation of Black Phosphorus Intercalation Compounds with Alkali Metals. Angewandte Chemie, 2017, 129, 15469-15475.	1.6	12
61	Exploring the Formation of Black Phosphorus Intercalation Compounds with Alkali Metals. Angewandte Chemie - International Edition, 2017, 56, 15267-15273.	7.2	69
62	Microscale magnetic compasses. Journal of Applied Physics, 2017, 122, .	1.1	0
63	Arrayed Arrangement of ¹³ C Isotopes During the Growth of Inner Single-Walled Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2017, 254, 1700217.	0.7	1
64	The growth of new extended carbon nanophases from ferrocene inside single-walled carbon nanotubes. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700158.	1.2	17
65	Doped carbon nanotubes as a model system of biased graphene. Physical Review B, 2017, 96, .	1.1	11
66	Synthesis of Nitrogen Doped Single Walled Carbon Nanotubes With Caffeine. Physica Status Solidi (B): Basic Research, 2017, 254, 1700364.	0.7	2
67	Separation of Nickelocene-Filled Single-Walled Carbon Nanotubes by Conductivity Type and Diameter. Physica Status Solidi (B): Basic Research, 2017, 254, 1700178.	0.7	8
68	Nitrogen-doped porous carbon/graphene nanosheets derived from two-dimensional conjugated microporous polymer sandwiches with promising capacitive performance. Materials Chemistry Frontiers, 2017, 1, 278-285.	3.2	62
69	Electronic band gaps of confined linear carbon chains ranging from polyyne to carbyne. Physical Review Materials, 2017, 1, .	0.9	61
70	Selective Enhancement of Inner Tube Photoluminescence in Filled Double-Walled Carbon Nanotubes. Advanced Functional Materials, 2016, 26, 4874-4881.	7.8	18
71	Controlled Isotope Arrangement in ¹³ C Enriched Carbon Nanotubes. Journal of Physical Chemistry C, 2016, 120, 29520-29524.	1.5	5
72	Confined linear carbon chains as a route to bulk carbyne. Nature Materials, 2016, 15, 634-639.	13.3	341

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73	Potassium intercalated multiwalled carbon nanotubes. Carbon, 2016, 105, 90-95.	5.4	15
74	Electron Spectroscopy of Single Quantum Objects To Directly Correlate the Local Structure to Their Electronic Transport and Optical Properties. Nano Letters, 2016, 16, 3661-3667.	4.5	14
75	Environmental control of electron-phonon coupling in barium doped graphene. 2D Materials, 2016, 3, 045003.	2.0	14
76	Disentangling Vacancy Oxidation on Metallicity-Sorted Carbon Nanotubes. Journal of Physical Chemistry C, 2016, 120, 18316-18322.	1.5	8
77	Growth dynamics of inner tubes inside cobaltocene-filled single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	10
78	Polyne electronic and vibrational properties under environmental interactions. Physical Review B, 2016, 94, .	1.1	45
79	Semiconducting response in single-walled carbon nanotubes filled with cadmium chloride. Physica Status Solidi (B): Basic Research, 2016, 253, 2433-2439.	0.7	8
80	Atomically precise semiconductor-graphene and hBN interfaces by Ge intercalation. Scientific Reports, 2015, 5, 17700.	1.6	24
81	Nickel clusters embedded in carbon nanotubes as high performance magnets. Scientific Reports, 2015, 5, 15033.	1.6	23
82	Temperature-dependent inner tube growth and electronic structure of nickelocene-filled single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2015, 252, 2485-2490.	0.7	15
83	Tailoring the electronic properties of single-walled carbon nanotubes via filling with nickel acetylacetonate. Physica Status Solidi (B): Basic Research, 2015, 252, 2546-2550.	0.7	6
84	A Fourier transform Raman spectrometer with visible laser excitation. Journal of Raman Spectroscopy, 2015, 46, 327-332.	1.2	18
85	Comprehensive spectroscopic characterization of high purity metallicity-sorted single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2015, 252, 2512-2518.	0.7	10
86	Raman and XPS analyses of pristine and annealed N-doped double-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2015, 252, 2558-2563.	0.7	10
87	The origin of nondispersive Raman lines in the D-band region for ferrocene@HiPco SWCNTs transformed at high temperatures. Physica Status Solidi (B): Basic Research, 2015, 252, 2530-2535.	0.7	4
88	Straightforward Generation of Pillared, Microporous Graphene Frameworks for Use in Supercapacitors. Advanced Materials, 2015, 27, 6714-6721.	11.1	137
89	Transport, magnetic and vibrational properties of chemically exfoliated few-layer graphene. Physica Status Solidi (B): Basic Research, 2015, 252, 2438-2443.	0.7	5
90	X-ray photoelectron spectroscopy of graphitic carbon nanomaterials doped with heteroatoms. Beilstein Journal of Nanotechnology, 2015, 6, 177-192.	1.5	319

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91	Tuning Localized Transverse Surface Plasmon Resonance in Electricity-Selected Single-Wall Carbon Nanotubes by Electrochemical Doping. <i>Physical Review Letters</i> , 2015, 114, 176807.	2.9	30
92	Nanofibrous and Graphene-Templated Conjugated Microporous Polymer Materials for Flexible Chemosensors and Supercapacitors. <i>Chemistry of Materials</i> , 2015, 27, 7403-7411.	3.2	164
93	Doping of single-walled carbon nanotubes controlled via chemical transformation of encapsulated nickelocene. <i>Nanoscale</i> , 2015, 7, 1383-1391.	2.8	60
94	On the bonding environment of phosphorus in purified doped single-walled carbon nanotubes. <i>Carbon</i> , 2015, 81, 91-95.	5.4	19
95	Raman spectroscopy of graphite intercalation compounds: Charge transfer, strain, and electron-phonon coupling in graphene layers. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2337-2355.	0.7	75
96	Toward Synthesis and Characterization of Unconventional C ₆₆ and C ₆₈ Fullerenes inside Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 30260-30268.	1.5	6
97	Nondispersive Raman lines in the D-band region for ferrocene functionalized carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2457-2460.	0.7	7
98	<i>In situ</i> Raman spectroscopy studies on time-dependent inner tube growth in ferrocene-filled large diameter single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2394-2400.	0.7	8
99	Purification, separation and extraction of inner tubes from double-walled carbon nanotubes by tailoring density gradient ultracentrifugation using optical probes. <i>Carbon</i> , 2014, 74, 282-290.	5.4	11
100	Revealing the Adsorption Mechanisms of Nitroxides on Ultrapure, Metallicity-Sorted Carbon Nanotubes. <i>ACS Nano</i> , 2014, 8, 1375-1383.	7.3	31
101	Length scales in orientational order of vertically aligned single walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2631-2634.	0.7	2
102	Internal charge transfer in metallicity sorted ferrocene filled carbon nanotube hybrids. <i>Carbon</i> , 2013, 59, 237-245.	5.4	33
103	Manifestation of Charged and Strained Graphene Layers in the Raman Response of Graphite Intercalation Compounds. <i>ACS Nano</i> , 2013, 7, 9249-9259.	7.3	100
104	Microscopic insight into the bilateral formation of carbon spirals from a symmetric iron core. <i>Scientific Reports</i> , 2013, 3, 1840.	1.6	7
105	Hybrid Carbon Nanotube Networks as Efficient Hole Extraction Layers for Organic Photovoltaics. <i>ACS Nano</i> , 2013, 7, 556-565.	7.3	102
106	Tunable Interface Properties between Pentacene and Graphene on the SiC Substrate. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3969-3975.	1.5	19
107	Observation of conduction electron spin resonance in boron-doped diamond. <i>Physical Review B</i> , 2013, 87, .	1.1	13
108	Orbital and spin magnetic moments of transforming one-dimensional iron inside metallic and semiconducting carbon nanotubes. <i>Physical Review B</i> , 2013, 87, .	1.1	23

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109	Carbon nanotubes from enhanced direct injection pyrolytic synthesis as templates for long linear carbon chain formation. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2611-2615.	0.7	19
110	Challenging the nature of low-energy plasmon excitations in CaC ₆ using electron energy-loss spectroscopy. <i>Europhysics Letters</i> , 2013, 102, 17001.	0.7	7
111	Environmental stability of ferrocene filled in purely metallic single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2599-2604.	0.7	6
112	Structural properties of mirrored carbon spirals as revealed by scanning electron microscopy and micro-Raman spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2737-2740.	0.7	0
113	Inner tube growth properties and electronic structure of ferrocene-filled large diameter single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2575-2580.	0.7	29
114	Raman response of stage-1 graphite intercalation compounds revisited. <i>Physical Review B</i> , 2012, 86, .	1.1	26
115	Electronic structure of Eu atomic wires encapsulated inside single-wall carbon nanotubes. <i>Physical Review B</i> , 2012, 86, .	1.1	29
116	Orbital and spin magnetic moments of ferrocene encapsulated in metallicity sorted single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2424-2427.	0.7	2
117	<i>In situ</i> filling of metallic single-walled carbon nanotubes with ferrocene molecules. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2408-2411.	0.7	18
118	Deintercalation process from <i>Stage</i> 1 to <i>Stage</i> 2 graphite intercalation compounds revisited. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2640-2643.	0.7	4
119	Spectroscopic study of the diameter distribution of B-doped single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2469-2472.	0.7	3
120	A detailed analysis of the Raman spectra in superconducting boron doped nanocrystalline diamond. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2656-2659.	0.7	38
121	Channeling of charge carrier plasmons in carbon nanotubes. <i>Physical Review B</i> , 2012, 85, .	1.1	12
122	Spectroscopic investigation of nitrogen doped graphene. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	52
123	Direct probe of linearly dispersing 2D interband plasmons in a free-standing graphene monolayer. <i>Europhysics Letters</i> , 2012, 97, 57005.	0.7	68
124	Selective Enhancement of Photoluminescence in Filled Single-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2012, 22, 3202-3208.	7.8	40
125	Nitrogen-Doped Single-Walled Carbon Nanotube Thin Films Exhibiting Anomalous Sheet Resistances. <i>Chemistry of Materials</i> , 2011, 23, 2201-2208.	3.2	43
126	Computing C1σ and X-ray Absorption for Single-Walled Carbon Nanotubes with Distinct Electronic Type. <i>Materials Express</i> , 2011, 1, 225-230.	0.2	8

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127	Unraveling Electron Chirality in Graphene. <i>Physics Magazine</i> , 2011, 4, .	0.1	1
128	High resolution X-ray absorption on metallicity selected C ₆₀ peapods, single-walled and double walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2544-2547.	0.7	1
129	Nanochemical reactions by laser annealing of ferrocene filled single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2488-2491.	0.7	18
130	Temperature dependence of inner tube growth from ferrocene-filled single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2492-2495.	0.7	20
131	Defect modulated Raman response of KC ₈ single crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2744-2747.	0.7	14
132	On the purification of CVD grown boron doped single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2504-2507.	0.7	7
133	Adaptation of a commercial Raman spectrometer for multiline and broadband laser operation. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2581-2584.	0.7	4
134	A Resonant Photoemission Insight to the Electronic Structure of Gd Nanowires Templated in the Hollow Core of SWCNTs. <i>Materials Express</i> , 2011, 1, 30-35.	0.2	20
135	Disentanglement of the unoccupied electronic structure in metallic and semiconducting C ₆₀ peapods. <i>Physical Review B</i> , 2011, 83, .	1.1	7
136	A broadband and high throughput single-monochromator Raman spectrometer: Application for single-wall carbon nanotubes. <i>Review of Scientific Instruments</i> , 2011, 82, 023905.	0.6	15
137	Direct observation of a dispersionless impurity band in hydrogenated graphene. <i>Physical Review B</i> , 2011, 83, .	1.1	49
138	Templating rare-earth hybridization via ultrahigh vacuum annealing of ErCl ₃ nanowires inside carbon nanotubes. <i>Physical Review B</i> , 2011, 83, .	1.1	29
139	Spectroscopic Characterization of N-Doped Single-Walled Carbon Nanotube Strands: An X-ray Photoelectron Spectroscopy and Raman Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 3959-3964.	0.9	34
140	An X-ray absorption approach to mixed and metallicity-sorted single-walled carbon nanotubes. <i>Journal of Materials Science</i> , 2010, 45, 5318-5322.	1.7	8
141	Catalyst and Chirality Dependent Growth of Carbon Nanotubes Determined Through Nano-Test Tube Chemistry. <i>Advanced Materials</i> , 2010, 22, 3685-3689.	11.1	54
142	The doping of carbon nanotubes with nitrogen and their potential applications. <i>Carbon</i> , 2010, 48, 575-586.	5.4	513
143	Mechanism study of floating catalyst CVD synthesis of SWCNTs. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2708-2712.	0.7	8
144	Nitrogen-doped SWCNT synthesis using ammonia and carbon monoxide. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2726-2729.	0.7	19

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145	Low-temperature growth of single-wall carbon nanotubes inside nano test tubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2730-2733.	0.7	9
146	A combined photoemission and <i>ab initio</i> study of the electronic structure of (6,4)/(6,5) enriched single wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2875-2879.	0.7	3
147	Raman response from double-wall carbon nanotubes based on metallicity selected host SWCNTs. Physica Status Solidi (B): Basic Research, 2010, 247, 2880-2883.	0.7	2
148	Insight to the valence band electronic structure of metallicity selected single wall carbon nanotubes from a photoemission viewpoint. Physica Status Solidi (B): Basic Research, 2010, 247, 2779-2783.	0.7	0
149	Plasma dynamics in graphite and SWNT probed by inelastic electron and X-ray scattering. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 2789-2792.	0.8	0
150	Tuning Carbon Nanotubes Through Poor Metal Addition to Iron Catalysts in CVD. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 37-44.	1.0	6
151	Exchange interactions of spin-active metallofullerenes in solid-state carbon networks. Physical Review B, 2010, 81, .	1.1	8
152	Interband and plasma excitations in single-walled carbon nanotubes and graphite in inelastic x-ray and electron scattering. Physical Review B, 2010, 81, .	1.1	9
153	Incidence of the Tomonaga-Luttinger liquid state on the NMR spin-lattice relaxation in carbon nanotubes. Europhysics Letters, 2010, 90, 17004.	0.7	20
154	Tunable Band Gap in Hydrogenated Quasi-Free-Standing Graphene. Nano Letters, 2010, 10, 3360-3366.	4.5	297
155	Evidence for substitutional boron in doped single-walled carbon nanotubes. Applied Physics Letters, 2010, 96, .	1.5	60
156	Ethanol-Promoted Fabrication of Tungsten Oxide Nanobelts with Defined Crystal Orientation. Journal of Physical Chemistry C, 2010, 114, 10-14.	1.5	20
157	The physical and chemical properties of heteronanotubes. Reviews of Modern Physics, 2010, 82, 1843-1885.	16.4	239
158	Combined experimental and <i>ab initio</i> study of the electronic structure of narrow-diameter single-wall carbon nanotubes with predominant (6,4),(6,5) chirality. Physical Review B, 2010, 82, .	1.1	19
159	Disentanglement of the electronic properties of metallicity-selected single-walled carbon nanotubes. Physical Review B, 2009, 80, .	1.1	73
160	Electronic structure and electron-phonon coupling of doped graphene layers in KC_{81} Physical Review B, 2009, 79, .	1.1	81
161	Screening the Missing Electron: Nanochemistry in Action. Physical Review Letters, 2009, 102, 046804.	2.9	64
162	Substitutionally-Functionalized vs Metallicity-Selected Single-Walled Carbon Nanotubes: A High Energy Spectroscopy Viewpoint. Materials Research Society Symposia Proceedings, 2009, 1204, 1.	0.1	0

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163	Metal-to-insulator transition in thin-film polymericAC60. <i>New Journal of Physics</i> , 2009, 11, 023035.	1.2	3
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