

Christian Thomsen

List of Publications by Year in descending order

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398
papers

21,542
citations

11651

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399
docs citations

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times ranked

18926
citing authors

#	ARTICLE	IF	CITATIONS
1	From isolated diamondoids to a van-der-Waals crystal: A theoretical and experimental analysis of a trishomocubane and a diamantane dimer in the gas and solid phase. <i>Journal of Chemical Physics</i> , 2017, 147, 044303.	3.0	4
2	Electronic and Vibrational Properties of Diamondoid Oligomers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27082-27088.	3.1	6
3	Raman spectroscopy of intercalated and misfit layer nanotubes. <i>Physical Review B</i> , 2016, 94, .	3.2	9
4	Splitting of monolayer out-of-plane mode in few-layer nanotubes. <i>Physical Review B</i> , 2015, 91, .	3.2	78
5	Thermal stability evolution of carbon nanotubes caused by liquid oxidation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 1477-1486.	3.6	14
6	UV resonance Raman analysis of trishomocubane and diamondoid dimers. <i>Journal of Chemical Physics</i> , 2014, 140, 034309.	3.0	7
7	Flash Synthesis of CdSe/CdS Core-Shell Quantum Dots. <i>Chemistry of Materials</i> , 2014, 26, 1154-1160.	6.7	124
8	Effect of Catalyst Pretreatment on Chirality-Selective Growth of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5773-5781.	3.1	37
9	Experimental and theoretical Raman analysis of functionalized diamantane. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 025101.	1.5	8
10	Electronic Properties of Semiconducting Polymer-Functionalized Single Wall Carbon Nanotubes. <i>Macromolecules</i> , 2013, 46, 2590-2598.	4.8	19
11	Probing local strain and composition in Ge nanowires by means of tip-enhanced Raman scattering. <i>Nanotechnology</i> , 2013, 24, 185704.	2.6	21
12	Homogeneously Alloyed CdSe _{1-x} S _x Quantum Dots (0 ≤ x ≤ 1): An Efficient Synthesis for Full Optical Tunability. <i>Chemistry of Materials</i> , 2013, 25, 2388-2390.	6.7	58
13	Radical Initiated Reactions on Biocompatible CdSe-Based Quantum Dots: Ligand Cross-Linking, Crystal Annealing, and Fluorescence Enhancement. <i>Journal of Physical Chemistry C</i> , 2013, 117, 8570-8578.	3.1	21
14	Elastic Properties of Crystalline-Amorphous Core-Shell Silicon Nanowires. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4219-4226.	3.1	9
15	Evaluation of bimetallic catalysts for the growth of carbon nanotube forests. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2605-2610.	1.5	6
16	Excitonic resonances in WS ₂ nanotubes. <i>Physical Review B</i> , 2012, 86, .	3.2	45
17	Growth and surface characterization of magnetron sputtered zinc nitride thin films. <i>Thin Solid Films</i> , 2012, 520, 7230-7235.	1.8	10
18	Tunable Plasmon Coupling in Distance-Controlled Gold Nanoparticles. <i>Langmuir</i> , 2012, 28, 8862-8866.	3.5	85

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19	Interfacial Alloying in CdSe/CdS Heteronanocrystals: A Raman Spectroscopy Analysis. Chemistry of Materials, 2012, 24, 311-318.	6.7	146
20	Formation of gold nanoparticles in polymeric nanowires by low-temperature thermolysis of gold mesitylene. Journal of Materials Chemistry, 2012, 22, 684-690.	6.7	6
21	Plasmon polariton deceleration in graphene structures. Journal of Nanophotonics, 2012, 6, 061719.	1.0	20
22	Chiral Index Dependence of the G^+ and G^- Raman Modes in Semiconducting Carbon Nanotubes. ACS Nano, 2012, 6, 904-911.	14.6	85
23	Experimental evidence of localized plasmon resonance in composite materials containing single-wall carbon nanotubes. Physical Review B, 2012, 85, .	3.2	105
24	Electronic Structure and Exciton-Phonon Interaction in Two-Dimensional Colloidal CdSe Nanosheets. Nano Letters, 2012, 12, 3151-3157.	9.1	224
25	Raman 2D-Band Splitting in Graphene: Theory and Experiment. ACS Nano, 2011, 5, 2231-2239.	14.6	271
26	Dynamics of the Field-Induced Formation of Hexagonal Zipped-Chain Superstructures in Magnetic Colloids. Physical Review Letters, 2011, 106, 208301.	7.8	38
27	Assembly of carbon nanotubes and alkylated fullerenes: nanocarbon hybrid towards photovoltaic applications. Chemical Science, 2011, 2, 2243.	7.4	47
28	Selective Polycarboxylation of Semiconducting Single-Walled Carbon Nanotubes by Reductive Sidewall Functionalization. Journal of the American Chemical Society, 2011, 133, 19459-19473.	13.7	62
29	High pressure Raman scattering of silicon nanowires. Nanotechnology, 2011, 22, 195707.	2.6	19
30	Adsorption Behavior of 4-Methoxyppyridine on Gold Nanoparticles. Langmuir, 2011, 27, 7258-7264.	3.5	18
31	Raman and optical spectroscopy characteristics of Se-doped Bi ₂ SiO ₂₀ crystals. Optical Materials, 2011, 33, 1573-1577.	3.6	4
32	Ab initio calculations of edge-functionalized armchair graphene nanoribbons: Structural, electronic, and vibrational effects. Physical Review B, 2011, 84, .	3.2	26
33	Titanium-assisted growth of silica nanowires: from surface-matched to free-standing morphologies. Nanotechnology, 2011, 22, 405604.	2.6	3
34	Studying the local character of Raman features of single-walled carbon nanotubes along a bundle using TERS. Nanoscale Research Letters, 2011, 6, 174.	5.7	26
35	Index assignment of a carbon nanotube rope using tip-enhanced Raman spectroscopy. Physica Status Solidi (B): Basic Research, 2011, 248, 2577-2580.	1.5	9
36	Raman spectroscopy of PbTe/CdTe nanocrystals. Physica Status Solidi (B): Basic Research, 2011, 248, 2748-2750.	1.5	10

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37	Uniaxial strain in graphene and armchair graphene nanoribbons: An <i>ab initio</i> study. <i>Annalen Der Physik</i> , 2011, 523, 137-144.	2.4	21
38	Raman and Photoluminescence Spectroscopic Detection of Surface-Bound Li+O ₂ ^{•-} Defect Sites in Li-Doped ZnO Nanocrystals Derived from Molecular Precursors. <i>ChemPhysChem</i> , 2011, 12, 1189-1195.	2.1	19
39	Synthesis of Copious Amounts of SnS ₂ and SnS ₂ /SnS Nanotubes with Ordered Superstructures. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12316-12320.	13.8	94
40	Kohn anomaly in graphene. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 510-511.	3.5	7
41	Size-dependence of the anharmonicities in the vibrational potential of colloidal CdSe nanocrystals. <i>Solid State Communications</i> , 2011, 151, 67-70.	1.9	28
42	Decay dynamics of excitonic polarons in InAs/GaAs quantum dots. <i>Journal of Applied Physics</i> , 2011, 110, 074303.	2.5	2
43	A practical approach for applying online remote experiments: OnPREX. <i>European Journal of Engineering Education</i> , 2011, 36, 21-34.	2.3	6
44	Terahertz conductivity peak in composite materials containing carbon nanotubes: Theory and interpretation of experiment. <i>Physical Review B</i> , 2010, 81, .	3.2	125
45	Electronic Properties of Propylamine-Functionalized Single-Walled Carbon Nanotubes. <i>ChemPhysChem</i> , 2010, 11, 2444-2448.	2.1	8
46	Raman spectra and DFT calculations of the vibrational modes of hexahelicene. <i>Solid State Communications</i> , 2010, 150, 628-631.	1.9	5
47	Analysis of carbon nanotube chiralities obtained from a bimetallic Co-Mo catalyst. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2660-2663.	1.5	2
48	Evolution of the Raman intensity and the transport properties of SWNTs in various electrochemical doping stages – Exciton effects and functionalization-induced DOS changes. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2801-2804.	1.5	1
49	Tip-enhanced Raman scattering along a single wall carbon nanotubes bundle. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2818-2822.	1.5	14
50	The influence of incorporated β -carotene on the vibrational properties of single wall carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2734-2737.	1.5	8
51	Resonant Raman scattering on carbon nanotubes covalently functionalized with lithium decyne. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2863-2866.	1.5	3
52	Polarised Raman measurements of β -carotene encapsulated in SWNTs. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2871-2874.	1.5	2
53	Temperature dependent band gap behavior and excitons in metallic carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 3006-3009.	1.5	0
54	Temperature dependence of first- and second-order Raman scattering in silicon nanowires. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 3084-3088.	1.5	14

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55	Optical phonons in colloidal CdSe nanorods. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2488-2497.	1.5	21
56	Polariton effects in the dielectric function of ZnO excitons obtained by ellipsometry. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	20
57	Symmetry based analysis of the Kohn anomaly and electron-phonon interaction in graphene and carbon nanotubes. <i>Physical Review B</i> , 2010, 81, .	3.2	9
58	Observation of excitonic effects in metallic single-walled carbon nanotubes. <i>Physical Review B</i> , 2010, 82, .	3.2	20
59	ELECTRON-PHONON COUPLING IN GRAPHENE. <i>International Journal of Modern Physics B</i> , 2010, 24, 655-660.	2.0	4
60	Observation of Breathing-like Modes in an Individual Multiwalled Carbon Nanotube. <i>Nano Letters</i> , 2010, 10, 4470-4474.	9.1	19
61	Splitting of the Raman D band of graphene subjected to strain. <i>Physical Review B</i> , 2010, 82, .	3.2	106
62	Deployment of remote experiments: The OnPreX course at the TU Berlin. , 2010, , .		7
63	Longitudinal Optical Phonons in Metallic and Semiconducting Carbon Nanotubes. <i>Physical Review Letters</i> , 2009, 102, 075501.	7.8	61
64	Networked virtual and remote laboratories for research collaboration in natural sciences and engineering. , 2009, , .		6
65	Characterization of dye molecules and carbon nanostructures by tip-enhanced Raman spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2708-2712.	1.5	14
66	Variable doping sensitivity of the TO phonon dispersion branch of metallic nanotubes: A double resonant Raman scattering study. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2713-2716.	1.5	0
67	The anomaly of the ν_1 resonance Raman band of β -carotene in solution and in photosystem I and II. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2790-2793.	1.5	18
68	Symmetry-based analysis of the electron-phonon interaction in graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2606-2609.	1.5	1
69	Raman spectroscopy of single wall carbon nanotubes functionalized with terpyridine-ruthenium complexes. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2721-2723.	1.5	11
70	The morphology of silicon nanowire samples: A Raman study. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2809-2812.	1.5	12
71	Lattice vibrations in graphene nanoribbons from density functional theory. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2577-2580.	1.5	6
72	Raman investigation of strain effects in CdSe nanorods. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2817-2819.	1.5	9

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73	Impact of transition zones, variable fluid viscosity and anthropogenic activities on coupled fluid–transport processes in a shallow salt–dome environment. <i>Geofluids</i> , 2009, 9, 182-194.	0.7	22
74	Lattice distortions in a crystal caused by doping with copper. <i>Solid State Communications</i> , 2009, 149, 1616-1618.	1.9	5
75	Carbon nanotube as a Cherenkov-type light emitter and free electron laser. <i>Physical Review B</i> , 2009, 79, .	3.2	47
76	Kohn Anomaly and Electron–Phonon Interaction at the K-Derived Point of the Brillouin Zone of Metallic Nanotubes. <i>Nano Letters</i> , 2009, 9, 3343-3348.	9.1	12
77	Theory of multiwall carbon nanotubes as waveguides and antennas in the infrared and the visible regimes. <i>Physical Review B</i> , 2009, 79, .	3.2	103
78	Acetylene: A Key Growth Precursor for Single-Walled Carbon Nanotube Forests. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17321-17325.	3.1	120
79	Salty groundwater flow in the shallow and deep aquifer systems of the Schleswig–Holstein area (North German Basin). <i>Tectonophysics</i> , 2009, 470, 183-194.	2.2	34
80	Geometry dependence of the phonon modes in CdSe nanorods. <i>Nanotechnology</i> , 2009, 20, 045705.	2.6	53
81	Two-dimensional electronic and vibrational band structure of uniaxially strained graphene from ab initio calculations. <i>Physical Review B</i> , 2009, 80, .	3.2	105
82	Resonance Raman spectra of β -carotene in solution and in photosystems revisited: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 11471.	2.8	90
83	Phonons in bulk CdSe and CdSe nanowires. <i>Nanotechnology</i> , 2009, 20, 115707.	2.6	33
84	Vibrational properties of graphene nanoribbons by first-principles calculations. <i>Physical Review B</i> , 2009, 80, .	3.2	96
85	Thin-walled Er ³⁺ :Y ₂ O ₃ nanotubes showing up-converted fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3623.	2.8	9
86	Resonance Raman study of the superoxide reductase from <i>Archaeoglobus fulgidus</i> , E12 mutants and a “natural variant”™. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1809.	2.8	13
87	Molecular dynamics simulations of picotube peapods. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2622-2625.	1.5	1
88	Use of carbon nanotubes for VLSI interconnects. <i>Diamond and Related Materials</i> , 2009, 18, 957-962.	3.9	54
89	Carbon nanotubes for interconnects in VLSI integrated circuits. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2303-2307.	1.5	11
90	Silicon nanowire optical Raman line shapes at cryogenic and elevated temperatures. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2090-2093.	1.5	10

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91	Electrochemical functionalization of SWNT bundles in acid and salt media as observed by Raman and X-ray photoelectron spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1967-1970.	1.5	16
92	Theory of ultrafast intraband relaxation in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2164-2168.	1.5	9
93	Diameter dependence of addition reactions to carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1957-1960.	1.5	12
94	Raman excitation profiles of β -carotene: novel insights into the nature of the β -band. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2225-2228.	1.5	40
95	Vibrational properties of four consecutive carbon picotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2145-2148.	1.5	3
96	Effects of a Zn shell on the structural and electronic properties of CdSe nanorods. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2111-2114.	1.5	7
97	G^+ and G^+ in the Raman spectrum of isolated nanotube: a study on resonance conditions and lineshape. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2189-2192.	1.5	28
98	Vibrational properties of semitrimer picotubes. <i>Chemical Physics Letters</i> , 2008, 451, 249-251.	2.6	4
99	Carbon nanotube Bloch equations: A many-body approach to nonlinear and ultrafast optical properties. <i>Physical Review B</i> , 2008, 77, .	3.2	43
100	Direct Observation of the Radial Breathing Mode in CdSe Nanorods. <i>Nano Letters</i> , 2008, 8, 4614-4617.	9.1	36
101	Experimental investigation of exciton-LO-phonon couplings in CdSe/ZnS core/shell nanorods. <i>Physical Review B</i> , 2008, 77, .	3.2	51
102	High Levels of Electrochemical Doping of Carbon Nanotubes: Evidence for a Transition from Double-Layer Charging to Intercalation and Functionalization. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5368-5373.	2.6	28
103	Networking resources for research and scientific education in nanoscience and nanotechnologies. , 2008, , .		5
104	Growth and characterization of high-density mats of single-walled carbon nanotubes for interconnects. <i>Applied Physics Letters</i> , 2008, 93, 163111.	3.3	55
105	Dynamics of magnetic-field-induced clustering in ionic ferrofluids from Raman scattering. <i>Journal of Chemical Physics</i> , 2007, 126, 124701.	3.0	25
106	Evidence of breakdown of the spin symmetry in diluted 2D electron gases. <i>Europhysics Letters</i> , 2007, 77, 37003.	2.0	5
107	Mixing of the fully symmetric vibrational modes in carbon nanotubes. <i>Physical Review B</i> , 2007, 75, .	3.2	10
108	On Remote and Virtual Experiments in eLearning in Statistical Mechanics and Thermodynamics. , 2007, , .		16

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109	Networked experiments and scientific resource sharing in cooperative knowledge spaces. <i>Interactive Technology and Smart Education</i> , 2007, 4, 19-30.	5.6	2
110	Zn interstitial related donors in ammonia-treated ZnO powders. <i>Physical Review B</i> , 2007, 76, .	3.2	86
111	Elasticity of single-crystalline graphite: Inelastic x-ray scattering study. <i>Physical Review B</i> , 2007, 75, .	3.2	264
112	Dependence of the band-gap pressure coefficients of self-assembled InAs/GaAs quantum dots on the quantum dot size. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 53-58.	1.5	10
113	Raman spectroscopy on chemically functionalized carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4056-4059.	1.5	19
114	Detail study of the Raman active modes in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4275-4278.	1.5	0
115	Raman spectroelectrochemistry on SWNTs at higher doping levels: Evidence for a transition to intercalative doping. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4060-4063.	1.5	6
116	First and second optical transitions in single-walled carbon nanotubes: a resonant Raman study. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4006-4010.	1.5	6
117	Raman spectroscopy of pentyl-functionalized carbon nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2007, 1, 144-146.	2.4	13
118	Resonant Raman scattering at exciton intermediate states in ZnO. <i>Physica Status Solidi - Rapid Research Letters</i> , 2007, 1, 169-171.	2.4	30
119	Effect of ZnS shell on the Raman spectra from CdSe nanorods. <i>Physica Status Solidi - Rapid Research Letters</i> , 2007, 1, 274-276.	2.4	25
120	Phonon dispersion of graphite by inelastic x-ray scattering. <i>Physical Review B</i> , 2007, 76, .	3.2	381
121	On Remote and Virtual Experiments in eLearning. <i>Journal of Software</i> , 2007, 2, .	0.6	14
122	Raman Scattering in Carbon Nanotubes. , 2006, , 115-234.		68
123	Raman scattering on silicon nanowires: The thermal conductivity of the environment determines the optical phonon frequency. <i>Applied Physics Letters</i> , 2006, 88, 233114.	3.3	44
124	Two-photon photoluminescence and exciton binding energies in single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 2428-2435.	1.5	6
125	Excitons in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3204-3208.	1.5	13
126	Electron-phonon coupling in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3166-3170.	1.5	7

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127	Raman intensities of the first optical transitions in carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3181-3185.	1.5	5
128	Effect of light on the reflectance anisotropy and chain-oxygen related Raman signal in untwinned, underdoped crystals of YBa ₂ Cu ₃ O _{7-δ} . Journal of Physics and Chemistry of Solids, 2006, 67, 340-343.	4.0	13
129	Anisotropic ultraviolet Raman resonance in underdoped YBa ₂ Cu ₃ O _{6.7} . Physical Review B, 2006, 74, .	3.2	2
130	Coupling between charge-density excitations and polar optical phonons in single quantum wells revisited. Physical Review B, 2006, 73, .	3.2	3
131	Double-resonant Raman processes in germanium: Group theory and ab initio calculations. Physical Review B, 2006, 73, .	3.2	7
132	Resonant-Raman intensities and transition energies of the E ₁₁ transition in carbon nanotubes. Physical Review B, 2006, 74, .	3.2	36
133	Strong electron-phonon coupling of the high-energy modes of carbon nanotubes. Physical Review B, 2006, 74, .	3.2	15
134	Networked Experiments and Scientific Resource Sharing in Cooperative Knowledge Spaces. , 2006, , .		1
135	Networked Experiments in Cooperative Knowledge Spaces. , 2006, , .		2
136	Radial breathing mode of single-walled carbon nanotubes: Optical transition energies and chiral-index assignment. Physical Review B, 2005, 72, .	3.2	323
137	High-energy vibrational modes in nitrogen-doped ZnO. Physica Status Solidi (B): Basic Research, 2005, 242, R21-R23.	1.5	18
138	Chirality assignments in carbon nanotubes based on resonant Raman scattering. Physica Status Solidi (B): Basic Research, 2005, 242, 1802-1806.	1.5	15
139	Electronic band structure of high-index silicon nanowires. Physica Status Solidi (B): Basic Research, 2005, 242, 2474-2479.	1.5	65
140	Inelastic light scattering of hydrogen containing open-cage fullerene ATOCF. Physica Status Solidi (B): Basic Research, 2005, 242, R106-R108.	1.5	11
141	Micro Raman Investigation of WS ₂ Nanotubes. AIP Conference Proceedings, 2005, , .	0.4	4
142	Raman response of magnetic excitations in cuprate ladders and planes. Physical Review B, 2005, 72, .	3.2	24
143	Strength of radial breathing mode in single-walled carbon nanotubes. Physical Review B, 2005, 71, .	3.2	109
144	Electrochemical switching of the Peierls-like transition in metallic single-walled carbon nanotubes. Physical Review B, 2005, 72, .	3.2	60

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145	Persistent photo-excitation in $\text{GdBa}_2\text{Cu}_3\text{O}_{6.5}$ in a simultaneous Raman and electrical-transport experiment. <i>Physical Review B</i> , 2005, 72, .	3.2	9
146	Exciton Resonances Quench the Photoluminescence of Zigzag Carbon Nanotubes. <i>Physical Review Letters</i> , 2005, 95, 077402.	7.8	84
147	Excited-state carrier lifetime in single-walled carbon nanotubes. <i>Physical Review B</i> , 2005, 71, .	3.2	80
148	Structural, electronic, and vibrational properties of (4,4) picotube crystals. <i>Physical Review B</i> , 2005, 72, .	3.2	12
149	Orientation dependence of the polarizability of an individual WS_2 nanotube by resonant Raman spectroscopy. <i>Physical Review B</i> , 2005, 72, .	3.2	51
150	Light-induced oxygen-ordering dynamics in $(\text{Y},\text{Pr})\text{Ba}_2\text{Cu}_3\text{O}_{6.7}$: A Raman spectroscopy and Monte Carlo study. <i>Physical Review B</i> , 2004, 70, .	3.2	13
151	Effects of the exchange instability on collective spin and charge excitations of the two-dimensional electron gas. <i>Physical Review B</i> , 2004, 70, .	3.2	4
152	Evidence of spontaneous spin polarization in the two-dimensional electron gas. <i>Physical Review B</i> , 2004, 70, .	3.2	5
153	Photoinduced chain-oxygen ordering in detwinned $\text{YBa}_2\text{Cu}_3\text{O}_{6.7}$ single crystals studied by reflectance-anisotropy spectroscopy. <i>Physical Review B</i> , 2004, 69, .	3.2	13
154	Phonon Dispersion in Graphite. <i>Physical Review Letters</i> , 2004, 92, 075501.	7.8	460
155	Raman study of magnetic field effects on surfacted and ionic ferrofluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 277, 96-100.	2.3	6
156	Photoluminescence of one-dimensional electron gases in cleaved-edge overgrowth quantum wires. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 1041-1045.	1.5	1
157	Recombination dynamics in self-assembled InP/GaP quantum dots under high pressure. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3263-3268.	1.5	1
158	Raman spectroscopy with UV excitation on untwinned single crystals of $\text{YBa}_2\text{Cu}_3\text{O}_7$. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, R63-R66.	1.5	4
159	Magnetic field effects on the exchange instability of the 2D electron gas. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 22, 438-441.	2.7	0
160	Raman spectroscopy of graphite. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2004, 362, 2271-2288.	3.4	1,040
161	Resonant Raman spectroscopy of nanotubes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2004, 362, 2337-2359.	3.4	68
162	Strain Determination in Electrochemically Doped Single-Walled Carbon Nanotubes via Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 19241-19245.	2.6	13

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163	Double-resonant Raman scattering in graphite: Interference effects, selection rules, and phonon dispersion. <i>Physical Review B</i> , 2004, 70, .	3.2	255
164	Chirality Distribution and Transition Energies of Carbon Nanotubes. <i>Physical Review Letters</i> , 2004, 93, 177401.	7.8	339
165	Electrochemical and Raman measurements on single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2003, 375, 625-631.	2.6	71
166	Spin-phonon coupling in the high pressure phase of the low-dimensional spin compound (VO) ₂ P ₂ O ₇ . <i>Physica Status Solidi A</i> , 2003, 196, 185-188.	1.7	1
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