

Janina Maultzsch

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

160
papers

8,689
citations

41
h-index

91
g-index

173
ext. papers

9,547
ext. citations

4.9
avg, IF

5.87
L-index

#	Paper	IF	Citations
160	Vibrational Properties and Charge Transfer in the Misfit-Layer Compound $\text{LaS}\overline{\text{r}}\text{S}_2$. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 8006-8013	3.8	0
159	Covalent Bisfunctionalization of Two-Dimensional Molybdenum Disulfide. <i>Angewandte Chemie</i> , 2021 , 133, 13596-13604	3.6	0
158	Covalent Bisfunctionalization of Two-Dimensional Molybdenum Disulfide. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13484-13492	16.4	11
157	Covalent Patterning of 2D MoS. <i>Chemistry - A European Journal</i> , 2021 , 27, 13117-13122	4.8	2
156	Isotopic study of Raman active phonon modes in $\overline{\text{E}}\text{Ga}_2\text{O}_3$. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2311-2320	23.20	6
155	Dark exciton-exciton annihilation in monolayer WSe ₂ . <i>Physical Review B</i> , 2021 , 104,	3.3	3
154	Hybridized intervalley moiré excitons and flat bands in twisted WSe bilayers. <i>Nanoscale</i> , 2020 , 12, 11088-11094	11.94	21
153	Two-Dimensional Antimony Oxide. <i>Physical Review Letters</i> , 2020 , 124, 126101	7.4	11
152	Unveiling the oxidation behavior of liquid-phase exfoliated antimony nanosheets. <i>2D Materials</i> , 2020 , 7, 025039	5.9	18
151	Twist-tailoring Coulomb correlations in van der Waals homobilayers. <i>Nature Communications</i> , 2020 , 11, 2167	17.4	27
150	Area-Selective Growth of HfS ₂ Thin Films via Atomic Layer Deposition at Low Temperature. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2001493	4.6	3
149	Thin Films: Area-Selective Growth of HfS ₂ Thin Films via Atomic Layer Deposition at Low Temperature (Adv. Mater. Interfaces 23/2020). <i>Advanced Materials Interfaces</i> , 2020 , 7, 2070130	4.6	
148	Epitaxial Metal Halide Perovskites by Inkjet-Printing on Various Substrates. <i>Advanced Functional Materials</i> , 2020 , 30, 2004612	15.6	10
147	Vibrational signatures of diamondoid dimers with large intramolecular London dispersion interactions. <i>Carbon</i> , 2020 , 157, 201-207	10.4	2
146	Reductive diazotation of carbon nanotubes: an experimental and theoretical selectivity study. <i>Chemical Science</i> , 2019 , 10, 706-717	9.4	3
145	Thermal expansion of colloidal CdSe/CdS core/shell quantum dots. <i>Physical Review B</i> , 2019 , 99,	3.3	4
144	Phonon dispersion in MoS ₂ . <i>Physical Review B</i> , 2019 , 99,	3.3	24

143	Strain in InP/ZnSe, S core/shell quantum dots from lattice mismatch and shell thickness-Material stiffness influence. <i>Journal of Chemical Physics</i> , 2019 , 151, 154704	3.9	8
142	Anti-Stokes Photoluminescence of Monolayer WS ₂ . <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1900419	1.3	2
141	Infrared Interlayer Exciton Emission in MoS ₂ /WSe ₂ Heterostructures. <i>Physical Review Letters</i> , 2019 , 123, 247402	7.4	56
140	Interlayer excitons in MoSe ₂ /WSe ₂ heterostructures from first principles. <i>Physical Review B</i> , 2018 , 97,	3.3	46
139	Tunable quantum interference in bilayer graphene in double-resonant Raman scattering. <i>Carbon</i> , 2018 , 133, 254-259	10.4	3
138	Synthesis and Characterization of Nanotubes from Misfit (LnS) TaS (Ln=Pr, Sm, Gd, Yb) Compounds. <i>Chemistry - A European Journal</i> , 2018 , 24, 11354-11363	4.8	9
137	Strain Engineering in InP/(Zn,Cd)Se Core/Shell Quantum Dots. <i>Chemistry of Materials</i> , 2018 , 30, 4393-4406	9.6	27
136	Double-resonant Raman scattering with optical and acoustic phonons in carbon nanotubes. <i>Physical Review B</i> , 2018 , 97,	3.3	1
135	Resonance Profiles of Valley Polarization in Single-Layer MoS ₂ and MoSe ₂ . <i>Physical Review Letters</i> , 2018 , 121, 167401	7.4	18
134	ZA-derived phonons in the Raman spectra of single-walled carbon nanotubes. <i>Carbon</i> , 2017 , 117, 360-366	6.4	8
133	Interface formation during silica encapsulation of colloidal CdSe/CdS quantum dots observed by in situ Raman spectroscopy. <i>Journal of Chemical Physics</i> , 2017 , 146, 134708	3.9	11
132	Degree of functionalisation dependence of individual Raman intensities in covalent graphene derivatives. <i>Scientific Reports</i> , 2017 , 7, 45165	4.9	37
131	Breakdown of Far-Field Raman Selection Rules by Light-Plasmon Coupling Demonstrated by Tip-Enhanced Raman Scattering. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5462-5471	6.4	14
130	Raman Spectroscopy of Lithographically Defined Graphene Nanoribbons - Influence of Size and Defects. <i>Annalen Der Physik</i> , 2017 , 529, 1700167	2.6	4
129	Raman Spectroscopy of Suspended MoS ₂ . <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1700218	1.3	13
128	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	3.9	4
127	Electronic and Vibrational Properties of Diamondoid Oligomers. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27082-27088	3.8	5
126	Fundamental Insights into the Degradation and Stabilization of Thin Layer Black Phosphorus. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10432-10440	16.4	181

125	Diameter dependence of the defect-induced Raman modes in functionalized carbon nanotubes. <i>Carbon</i> , 2017 , 112, 1-7	10.4	21
124	Light-Matter Interactions in Two-Dimensional Transition Metal Dichalcogenides: Dominant Excitonic Transitions in Mono- and Few-Layer MoX ₂ and Band Nesting. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017 , 23, 219-230	3.8	34
123	Few-Layer Antimonene by Liquid-Phase Exfoliation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14345-14349	16.4	299
122	Raman spectroscopy of intercalated and misfit layer nanotubes. <i>Physical Review B</i> , 2016 , 94,	3.3	8
121	Understanding the growth mechanism of graphene on Ge/Si(001) surfaces. <i>Scientific Reports</i> , 2016 , 6, 31639	4.9	37
120	Revealing the origin of high-energy Raman local mode in nitrogen doped ZnO nanowires. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016 , 10, 334-338	2.5	3
119	Graphene-based electro-absorption modulator integrated in a passive polymer waveguide platform. <i>Optical Materials Express</i> , 2016 , 6, 1800	2.6	15
118	Interlayer resonant Raman modes in few-layer MoS ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	65
117	In-situ Raman study of laser-induced graphene oxidation. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 2451-2455	1.3	13
116	Splitting of monolayer out-of-plane A _{1g} Raman mode in few-layer WS ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	71
115	Beyond double-resonant Raman scattering: Ultraviolet Raman spectroscopy on graphene, graphite, and carbon nanotubes. <i>Physical Review B</i> , 2015 , 92,	3.3	21
114	Understanding double-resonant Raman scattering in chiral carbon nanotubes: Diameter and energy dependence of the D mode. <i>Physical Review B</i> , 2015 , 92,	3.3	6
113	Solid-State Chemistry on the Nanoscale: Ion Transport through Interstitial Sites or Vacancies?. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14183-6	16.4	31
112	Effects of annealing on optical and structural properties of zinc oxide nanocrystals. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 2620-2625	1.3	12
111	Raman spectroscopy of nondispersive intermediate frequency modes and their overtones in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 2551-2557	1.3	3
110	Controlled folding of graphene: GraFold printing. <i>Nano Letters</i> , 2015 , 15, 857-63	11.5	23
109	UV resonance Raman analysis of trishomocubane and diamondoid dimers. <i>Journal of Chemical Physics</i> , 2014 , 140, 034309	3.9	7
108	Activation and deactivation of vibronic channels in intact phycocyanin rods. <i>Journal of Chemical Physics</i> , 2014 , 140, 085101	3.9	3

107	Two-dimensional analysis of the double-resonant 2D Raman mode in bilayer graphene. <i>Physical Review Letters</i> , 2014 , 113, 187401	7.4	28
106	Photoluminescence of freestanding single- and few-layer MoS ₂ . <i>Physical Review B</i> , 2014 , 89,	3.3	195
105	Edge and confinement effects allow in situ measurement of size and thickness of liquid-exfoliated nanosheets. <i>Nature Communications</i> , 2014 , 5, 4576	17.4	350
104	Indirect doping effects from impurities in MoS ₂ /h-BN heterostructures. <i>Physical Review B</i> , 2014 , 90,	3.3	36
103	Graphene grown on Ge(0 0 1) from atomic source. <i>Carbon</i> , 2014 , 75, 104-112	10.4	49
102	Effect of contaminations and surface preparation on the work function of single layer MoS ₂ . <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 291-7	3	61
101	Electronic properties of MoS ₂ /h-BN heterostructures: Impact of dopants and impurities. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2620-2625	1.3	8
100	Double-resonant LA phonon scattering in defective graphene and carbon nanotubes. <i>Physical Review B</i> , 2014 , 90,	3.3	18
99	Nanoscale imaging of InN segregation and polymorphism in single vertically aligned InGaN/GaN multi quantum well nanorods by tip-enhanced Raman scattering. <i>Nano Letters</i> , 2013 , 13, 3205-12	11.5	32
98	Simulations of the polarisation-dependent Raman intensity of β -carotene in photosystem II crystals. <i>Chemical Physics</i> , 2013 , 418, 65-73	2.3	1
97	Molecular beam growth of micrometer-size graphene on mica. <i>Carbon</i> , 2013 , 52, 40-48	10.4	32
96	Radiation hardness of graphene and MoS ₂ field effect devices against swift heavy ion irradiation. <i>Journal of Applied Physics</i> , 2013 , 113, 214306	2.5	67
95	Experimental and theoretical Raman analysis of functionalized diamantane. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013 , 46, 025101	1.3	7
94	Signature of the two-dimensional phonon dispersion in graphene probed by double-resonant Raman scattering. <i>Physical Review B</i> , 2013 , 87,	3.3	50
93	Electronic Properties of Semiconducting Polymer-Functionalized Single Wall Carbon Nanotubes. <i>Macromolecules</i> , 2013 , 46, 2590-2598	5.5	18
92	Probing local strain and composition in Ge nanowires by means of tip-enhanced Raman scattering. <i>Nanotechnology</i> , 2013 , 24, 185704	3.4	20
91	Resonance behavior of the defect-induced Raman mode of single-chirality enriched carbon nanotubes. <i>Physical Review B</i> , 2013 , 87,	3.3	13
90	Raman bands of nano-graphene flakes on carbon nanotubes after oxidation. <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 2687-2691	1.3	4

89	Influence of the layer number and stacking order on out-of-plane phonons in few-layer graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 2697-2701	1.3	2
88	Molecular beam epitaxy of graphene on mica. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 2507-2510		8
87	Effect of gap modes on graphene and multilayer graphene in tip-enhanced Raman spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 2511-2514	1.3	12
86	Resonance behavior of defect-induced modes in metallic and semiconducting single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 2460-2464	1.3	6
85	Resonant Raman profiles and μ -photoluminescence of atomically thin layers of molybdenum disulfide. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 2644-2647	1.3	25
84	Graphene on Si(111)7 \times 7. <i>Nanotechnology</i> , 2012 , 23, 405708	3.4	27
83	Growth and surface characterization of magnetron sputtered zinc nitride thin films. <i>Thin Solid Films</i> , 2012 , 520, 7230-7235	2.2	5
82	Layer-number determination in graphene by out-of-plane phonons. <i>Physical Review B</i> , 2012 , 85,	3.3	37
81	Chiral index dependence of the G+ and G- Raman modes in semiconducting carbon nanotubes. <i>ACS Nano</i> , 2012 , 6, 904-11	16.7	66
80	Ultrafast relaxation dynamics via acoustic phonons in carbon nanotubes. <i>Nano Letters</i> , 2012 , 12, 2249-5311.5		20
79	Dielectric screening effects on transition energies in aligned carbon nanotubes. <i>Physical Review B</i> , 2012 , 85,	3.3	15
78	Electronic characterization of single-layer MoS ₂ sheets exfoliated on SrTiO ₃ . <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1474, 30		3
77	Raman 2D-band splitting in graphene: theory and experiment. <i>ACS Nano</i> , 2011 , 5, 2231-9	16.7	228
76	Selective polycarboxylation of semiconducting single-walled carbon nanotubes by reductive sidewall functionalization. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19459-73	16.4	54
75	Raman spectroscopy of lithographically patterned graphene nanoribbons. <i>ACS Nano</i> , 2011 , 5, 4123-30	16.7	134
74	Adsorption behavior of 4-methoxypyridine on gold nanoparticles. <i>Langmuir</i> , 2011 , 27, 7258-64	4	16
73	Ab initio calculations of edge-functionalized armchair graphene nanoribbons: Structural, electronic, and vibrational effects. <i>Physical Review B</i> , 2011 , 84,	3.3	25
72	Studying the local character of Raman features of single-walled carbon nanotubes along a bundle using TERS. <i>Nanoscale Research Letters</i> , 2011 , 6, 174	5	23

71	Index assignment of a carbon nanotube rope using tip-enhanced Raman spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 2577-2580	1.3	9
70	Kohn anomaly in graphene. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011 , 176, 510-511	3.1	7
69	Publisher's Note: Splitting of the Raman 2D band of graphene subjected to strain [Phys. Rev. B 82, 201409 (2010)]. <i>Physical Review B</i> , 2010 , 82,	3.3	3
68	Symmetry based analysis of the Kohn anomaly and electron-phonon interaction in graphene and carbon nanotubes. <i>Physical Review B</i> , 2010 , 81,	3.3	8
67	Observation of excitonic effects in metallic single-walled carbon nanotubes. <i>Physical Review B</i> , 2010 , 82,	3.3	18
66	ELECTRON-PHONON COUPLING IN GRAPHENE. <i>International Journal of Modern Physics B</i> , 2010 , 24, 655-660	3	
65	Observation of breathing-like modes in an individual multiwalled carbon nanotube. <i>Nano Letters</i> , 2010 , 10, 4470-4	11.5	18
64	Splitting of the Raman 2D band of graphene subjected to strain. <i>Physical Review B</i> , 2010 , 82,	3.3	94
63	Symmetry properties of vibrational modes in graphene nanoribbons. <i>Physical Review B</i> , 2010 , 81,	3.3	33
62	Excitonic absorption spectra of metallic single-walled carbon nanotubes. <i>Physical Review B</i> , 2010 , 82,	3.3	45
61	Excitonic Rayleigh scattering spectra of metallic single-walled carbon nanotubes. <i>Physical Review B</i> , 2010 , 82,	3.3	31
60	Electronic properties of propylamine-functionalized single-walled carbon nanotubes. <i>ChemPhysChem</i> , 2010 , 11, 2444-8	3.2	8
59	Tip-enhanced Raman scattering along a single wall carbon nanotubes bundle. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2818-2822	1.3	14
58	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	1.3	7
57	Resonant Raman scattering on carbon nanotubes covalently functionalized with lithium decyne. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2863-2866	1.3	2
56	Raman-active modes in graphene nanoribbons. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2941-2944	23	
55	Polarised Raman measurements of β -carotene encapsulated in SWNTs. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2871-2874	1.3	2
54	Temperature dependent band gap behavior and excitons in metallic carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 3006-3009	1.3	

53	Longitudinal optical phonons in metallic and semiconducting carbon nanotubes. <i>Physical Review Letters</i> , 2009 , 102, 075501	7.4	54
52	Characterization of dye molecules and carbon nanostructures by tip-enhanced Raman spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2708-2712	1.3	14
51	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	1.3	
50	Symmetry-based analysis of the electron-phonon interaction in graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2606-2609	1.3	1
49	Raman spectroscopy of single wall carbon nanotubes functionalized with terpyridine-ruthenium complexes. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2721-2723	1.3	11
48	Lattice vibrations in graphene nanoribbons from density functional theory. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2577-2580	1.3	5
47	Polarised Raman measurements on the core complex of crystallised photosystem II. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2813-2816	1.3	3
46	Environmental influence on linear optical spectra and relaxation dynamics in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2592-2597	1.3	7
45	Time-resolved Raman spectroscopy of optical phonons in graphite: Phonon anharmonic coupling and anomalous stiffening. <i>Physical Review B</i> , 2009 , 80,	3.3	105
44	Kohn anomaly and electron-phonon interaction at the K-derived point of the Brillouin zone of metallic nanotubes. <i>Nano Letters</i> , 2009 , 9, 3343-8	11.5	12
43	Two-dimensional electronic and vibrational band structure of uniaxially strained graphene from ab initio calculations. <i>Physical Review B</i> , 2009 , 80,	3.3	92
42	Vibrational properties of graphene nanoribbons by first-principles calculations. <i>Physical Review B</i> , 2009 , 80,	3.3	77
41	Reversible basal plane hydrogenation of graphene. <i>Nano Letters</i> , 2008 , 8, 4597-602	11.5	479
40	Theory of Rayleigh scattering from metallic carbon nanotubes. <i>Physical Review B</i> , 2008 , 77,	3.3	22
39	Coulomb effects in single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2155-2158	1.3	21
38	Diameter dependence of addition reactions to carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 1957-1960	1.3	12
37	G ₁₆ 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	1.3	24
36	Characterization of Carbon Nanotubes by Optical Spectroscopy. <i>Advanced Micro & Nanosystems</i> , 2008 , 125-180		0

35	Elasticity of single-crystalline graphite: Inelastic x-ray scattering study. <i>Physical Review B</i> , 2007 , 75,	3.3	224
34	Theoretical approach to Rayleigh and absorption spectra of semiconducting carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 4240-4243	1.3	13
33	Raman spectroscopy on chemically functionalized carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 4056-4059	1.3	17
32	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	1.3	5
31	Raman spectroscopy of pentyl-functionalized carbon nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2007 , 1, 144-146	2.5	11
30	Intermediate frequency modes in Raman spectra of Ar ⁺ -irradiated single-wall carbon nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2007 , 1, 138-140	2.5	26
29	Phonon dispersion of graphite by inelastic x-ray scattering. <i>Physical Review B</i> , 2007 , 76,	3.3	330
28	High-resolution scanning tunneling microscopy imaging of mesoscopic graphene sheets on an insulating surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9209-12	11.5	494
27	Variable electron-phonon coupling in isolated metallic carbon nanotubes observed by Raman scattering. <i>Physical Review Letters</i> , 2007 , 99, 027402	7.4	91
26	Double-resonant Raman processes in germanium: Group theory and ab initio calculations. <i>Physical Review B</i> , 2006 , 73,	3.3	5
25	Resonant-Raman intensities and transition energies of the E11 transition in carbon nanotubes. <i>Physical Review B</i> , 2006 , 74,	3.3	34
24	Two-photon photoluminescence and exciton binding energies in single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 2428-2435	1.3	5
23	Excitons in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3204-3208	1.3	12
22	Raman intensities of the first optical transitions in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3181-3185	1.3	5
21	Structural, electronic, and vibrational properties of (4,4) picotube crystals. <i>Physical Review B</i> , 2005 , 72,	3.3	11
20	Radial breathing mode of single-walled carbon nanotubes: Optical transition energies and chiral-index assignment. <i>Physical Review B</i> , 2005 , 72,	3.3	287
19	Exciton binding energies in carbon nanotubes from two-photon photoluminescence. <i>Physical Review B</i> , 2005 , 72,	3.3	404
18	Chirality assignments in carbon nanotubes based on resonant Raman scattering. <i>Physica Status Solidi (B): Basic Research</i> , 2005 , 242, 1802-1806	1.3	13

17	Strength of radial breathing mode in single-walled carbon nanotubes. <i>Physical Review B</i> , 2005 , 71,	3.3	104
16	Electrochemical switching of the Peierls-like transition in metallic single-walled carbon nanotubes. <i>Physical Review B</i> , 2005 , 72,	3.3	58
15	Publisher's Note: Chirality Distribution and Transition Energies of Carbon Nanotubes [Phys. Rev. Lett. 93, 177401 (2004)]. <i>Physical Review Letters</i> , 2004 , 93,	7.4	4
14	Phonon dispersion in graphite. <i>Physical Review Letters</i> , 2004 , 92, 075501	7.4	410
13	Resonant Raman spectroscopy of nanotubes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2004 , 362, 2337-59	3	58
12	Double-resonant Raman scattering in graphite: Interference effects, selection rules, and phonon dispersion. <i>Physical Review B</i> , 2004 , 70,	3.3	221
11	Chirality distribution and transition energies of carbon nanotubes. <i>Physical Review Letters</i> , 2004 , 93, 177401	7.4	317
10	Quantum numbers and band topology of nanotubes. <i>Journal of Physics A</i> , 2003 , 36, 5707-5717		15
9	The radial breathing mode frequency in double-walled carbon nanotubes: an analytical approximation. <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 237, R7-R10	1.3	34
8	High-energy phonon branches of an individual metallic carbon nanotube. <i>Physical Review Letters</i> , 2003 , 91, 087402	7.4	51
7	Phonon dispersion of carbon nanotubes. <i>Solid State Communications</i> , 2002 , 121, 471-474	1.6	65
6	Raman scattering in carbon nanotubes revisited. <i>Physical Review B</i> , 2002 , 65,	3.3	85
5	Tight-binding description of graphene. <i>Physical Review B</i> , 2002 , 66,	3.3	761
4	Raman characterization of boron-doped multiwalled carbon nanotubes. <i>Applied Physics Letters</i> , 2002 , 81, 2647-2649	3.4	172
3	Chirality-selective Raman scattering of the D mode in carbon nanotubes. <i>Physical Review B</i> , 2001 , 64,	3.3	108
2	Resonant Raman scattering in GaAs induced by an embedded InAs monolayer. <i>Physical Review B</i> , 2000 , 63,	3.3	5
1	The Squeezable nanojunction as a tuneable light-matter interface for studying photoluminescence of 2D materials. <i>2D Materials</i> ,	5.9	1