

Janina Maultzsch

List of Publications by Year in descending order

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169
papers

10,321
citations

53751

45
h-index

33869

99
g-index

173
all docs

173
docs citations

173
times ranked

12692
citing authors

#	ARTICLE	IF	CITATIONS
1	Tight-binding description of graphene. <i>Physical Review B</i> , 2002, 66, .	1.1	904
2	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, 9209-9212.	3.3	553
3	Reversible Basal Plane Hydrogenation of Graphene. <i>Nano Letters</i> , 2008, 8, 4597-4602.	4.5	513
4	Phonon Dispersion in Graphite. <i>Physical Review Letters</i> , 2004, 92, 075501.	2.9	460
5	Exciton binding energies in carbon nanotubes from two-photon photoluminescence. <i>Physical Review B</i> , 2005, 72, .	1.1	441
6	Edge and confinement effects allow in situ measurement of size and thickness of liquid-exfoliated nanosheets. <i>Nature Communications</i> , 2014, 5, 4576.	5.8	432
7	Phonon dispersion of graphite by inelastic x-ray scattering. <i>Physical Review B</i> , 2007, 76, .	1.1	381
8	Few-layer Antimonene by Liquid-phase Exfoliation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14345-14349.	7.2	346
9	Chirality Distribution and Transition Energies of Carbon Nanotubes. <i>Physical Review Letters</i> , 2004, 93, 177401.	2.9	339
10	Radial breathing mode of single-walled carbon nanotubes: Optical transition energies and chiral-index assignment. <i>Physical Review B</i> , 2005, 72, .	1.1	323
11	Raman 2D-Band Splitting in Graphene: Theory and Experiment. <i>ACS Nano</i> , 2011, 5, 2231-2239.	7.3	271
12	Elasticity of single-crystalline graphite: Inelastic x-ray scattering study. <i>Physical Review B</i> , 2007, 75, .	1.1	264
13	Double-resonant Raman scattering in graphite: Interference effects, selection rules, and phonon dispersion. <i>Physical Review B</i> , 2004, 70, .	1.1	255
14	Fundamental Insights into the Degradation and Stabilization of Thin Layer Black Phosphorus. <i>Journal of the American Chemical Society</i> , 2017, 139, 10432-10440.	6.6	232
15	Photoluminescence of freestanding single- and few-layer MoS_2 . <i>Physical Review B</i> , 2014, 89, .	2.3	230
16	Raman characterization of boron-doped multiwalled carbon nanotubes. <i>Applied Physics Letters</i> , 2002, 81, 2647-2649.	1.5	185
17	Raman Spectroscopy of Lithographically Patterned Graphene Nanoribbons. <i>ACS Nano</i> , 2011, 5, 4123-4130.	7.3	148
18	Time-resolved Raman spectroscopy of optical phonons in graphite: Phonon anharmonic coupling and anomalous stiffening. <i>Physical Review B</i> , 2009, 80, .	1.1	121

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19	Chirality-selective Raman scattering of the D mode in carbon nanotubes. Physical Review B, 2001, 64, .	1.1	120
20	Infrared Interlayer Exciton Emission in MoS_2 Heterostructures. Physical Review Letters, 2019, 123, 247402.	1.1	109
21	Strength of radial breathing mode in single-walled carbon nanotubes. Physical Review B, 2005, 71, .	1.1	109
22	Splitting of the Raman D band of graphene subjected to strain. Physical Review B, 2010, 82, .	1.1	106
23	Two-dimensional electronic and vibrational band structure of uniaxially strained graphene from ab initio calculations. Physical Review B, 2009, 80, .	1.1	105
24	Raman scattering in carbon nanotubes revisited. Physical Review B, 2002, 65, .	1.1	100
25	Variable Electron-Phonon Coupling in Isolated Metallic Carbon Nanotubes Observed by Raman Scattering. Physical Review Letters, 2007, 99, 027402.	2.9	98
26	Vibrational properties of graphene nanoribbons by first-principles calculations. Physical Review B, 2009, 80, .	1.1	96
27	Chiral Index Dependence of the G^+ and G^- Raman Modes in Semiconducting Carbon Nanotubes. ACS Nano, 2012, 6, 904-911.	7.3	85
28	Interlayer resonant Raman modes in few-layer MoS_2 . Physical Review B, 2015, 91, .	1.1	82
29	Effect of contaminations and surface preparation on the work function of single layer MoS_2 . Beilstein Journal of Nanotechnology, 2014, 5, 291-297.	1.5	79
30	Radiation hardness of graphene and MoS_2 field effect devices against swift heavy ion irradiation. Journal of Applied Physics, 2013, 113, .	1.1	78
31	Splitting of monolayer out-of-plane A_1 mode in few-layer WS_2 . Physical Review B, 2015, 91, .	1.1	78
32	Interlayer excitons in MoSe_2 heterostructures from first principles. Physical Review B, 2018, 97, .	1.1	76
33	Phonon dispersion of carbon nanotubes. Solid State Communications, 2002, 121, 471-474.	0.9	68
34	Resonant Raman spectroscopy of nanotubes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2337-2359.	1.6	68
35	Twist-tailoring Coulomb correlations in van der Waals homobilayers. Nature Communications, 2020, 11, 2167.	5.8	63
36	Selective Polycarboxylation of Semiconducting Single-Walled Carbon Nanotubes by Reductive Sidewall Functionalization. Journal of the American Chemical Society, 2011, 133, 19459-19473.	6.6	62

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37	High-Energy Phonon Branches of an Individual Metallic Carbon Nanotube. <i>Physical Review Letters</i> , 2003, 91, 087402.	2.9	61
38	Longitudinal Optical Phonons in Metallic and Semiconducting Carbon Nanotubes. <i>Physical Review Letters</i> , 2009, 102, 075501.	2.9	61
39	Electrochemical switching of the Peierls-like transition in metallic single-walled carbon nanotubes. <i>Physical Review B</i> , 2005, 72, .	1.1	60
40	Signature of the two-dimensional phonon dispersion in graphene probed by double-resonant Raman scattering. <i>Physical Review B</i> , 2013, 87, .	1.1	60
41	Hybridized intervalley moiré excitons and flat bands in twisted WSe ₂ bilayers. <i>Nanoscale</i> , 2020, 12, 11088-11094.	2.8	55
42	Graphene grown on Ge(0 0 1) from atomic source. <i>Carbon</i> , 2014, 75, 104-112.	5.4	54
43	Phonon dispersion in MoS_2 . <i>Physical Review B</i> , 2019, 99, .	1.1	49
44	Excitonic absorption spectra of metallic single-walled carbon nanotubes. <i>Physical Review B</i> , 2010, 82, .	1.1	46
45	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.	1.9	46
46	Symmetry properties of vibrational modes in graphene nanoribbons. <i>Physical Review B</i> , 2010, 81, .	1.1	44
47	Understanding the growth mechanism of graphene on Ge/Si(001) surfaces. <i>Scientific Reports</i> , 2016, 6, 31639.	1.6	44
48	Degree of functionalisation dependence of individual Raman intensities in covalent graphene derivatives. <i>Scientific Reports</i> , 2017, 7, 45165.	1.6	44
49	Full-Spectrum InP-Based Quantum Dots with Near-Unity Photoluminescence Quantum Efficiency. <i>ACS Nano</i> , 2022, 16, 9701-9712.	7.3	44
50	Strain Engineering in InP/(Zn,Cd)Se Core/Shell Quantum Dots. <i>Chemistry of Materials</i> , 2018, 30, 4393-4400.	3.2	43
51	Indirect doping effects from impurities in MoS ₂ /h-BN heterostructures. <i>Physical Review B</i> , 2014, 90, .	1.1	39
52	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.	0.7	38
53	Layer-number determination in graphene by out-of-plane phonons. <i>Physical Review B</i> , 2012, 85, .	1.1	38
54	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, 3205-3212.	4.5	37

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55	Solid-State Chemistry on the Nanoscale: Ion Transport through Interstitial Sites or Vacancies?. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14183-14186.	7.2	37
56	Resonant-Raman intensities and transition energies of the E ₁₁ transition in carbon nanotubes. <i>Physical Review B</i> , 2006, 74, .	1.1	36
57	Molecular beam growth of micrometer-size graphene on mica. <i>Carbon</i> , 2013, 52, 40-48.	5.4	36
58	Two-Dimensional Analysis of the Double-Resonant 2D Raman Mode in Bilayer Graphene. <i>Physical Review Letters</i> , 2014, 113, 187401.	2.9	35
59	Unveiling the oxidation behavior of liquid-phase exfoliated antimony nanosheets. <i>2D Materials</i> , 2020, 7, 025039.	2.0	33
60	Excitonic Rayleigh scattering spectra of metallic single-walled carbon nanotubes. <i>Physical Review B</i> , 2010, 82, .	1.1	32
61	Graphene on Si(111)7Å-7. <i>Nanotechnology</i> , 2012, 23, 405708.	1.3	32
62	Graphene-based electro-absorption modulator integrated in a passive polymer waveguide platform. <i>Optical Materials Express</i> , 2016, 6, 1800.	1.6	32
63	Resonance Profiles of Valley Polarization in Single-Layer MoS_2 and MoSe_2 . <i>Physical Review Letters</i> , 2018, 121, 167401.	2.9	30
64	Double-resonant LA phonon scattering in defective graphene and carbon nanotubes. <i>Physical Review B</i> , 2014, 90, .	1.1	29
65	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.	1.2	28
66	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.	0.7	28
67	Covalent Bisfunctionalization of Two-Dimensional Molybdenum Disulfide. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13484-13492.	7.2	28
68	Raman-active modes in graphene nanoribbons. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2941-2944.	0.7	27
69	Resonant Raman profiles and photoluminescence of atomically thin layers of molybdenum disulfide. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2644-2647.	0.7	27
70	Controlled Folding of Graphene: GraFold Printing. <i>Nano Letters</i> , 2015, 15, 857-863.	4.5	27
71	Diameter dependence of the defect-induced Raman modes in functionalized carbon nanotubes. <i>Carbon</i> , 2017, 112, 1-7.	5.4	27
72	Ab initio calculations of edge-functionalized armchair graphene nanoribbons: Structural, electronic, and vibrational effects. <i>Physical Review B</i> , 2011, 84, .	1.1	26

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73	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.	3.1	26
74	Raman Spectroscopy of Suspended MoS ₂ . <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1700218.	0.7	26
75	Theory of Rayleigh scattering from metallic carbon nanotubes. <i>Physical Review B</i> , 2008, 77, .	1.1	23
76	Coulomb effects in single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2155-2158.	0.7	22
77	Ultrafast Relaxation Dynamics via Acoustic Phonons in Carbon Nanotubes. <i>Nano Letters</i> , 2012, 12, 2249-2253.	4.5	22
78	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.	1.2	22
79	Two-Dimensional Antimony Oxide. <i>Physical Review Letters</i> , 2020, 124, 126101.	2.9	22
80	Probing local strain and composition in Ge nanowires by means of tip-enhanced Raman scattering. <i>Nanotechnology</i> , 2013, 24, 185704.	1.3	21
81	Beyond double-resonant Raman scattering: Ultraviolet Raman spectroscopy on graphene, graphite, and carbon nanotubes. <i>Physical Review B</i> , 2015, 92, .	1.1	21
82	Epitaxial Metal Halide Perovskites by Inkjet-Printing on Various Substrates. <i>Advanced Functional Materials</i> , 2020, 30, 2004612.	7.8	21
83	Observation of excitonic effects in metallic single-walled carbon nanotubes. <i>Physical Review B</i> , 2010, 82, .	1.1	20
84	Isotopic study of Raman active phonon modes in $\hat{\Gamma}^2$ -Ga ₂ O ₃ . <i>Journal of Materials Chemistry C</i> , 2021, 9, 2311-2320.	2.7	20
85	Quantum numbers and band topology of nanotubes. <i>Journal of Physics A</i> , 2003, 36, 5707-5717.	1.6	19
86	Raman spectroscopy on chemically functionalized carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4056-4059.	0.7	19
87	Observation of Breathing-like Modes in an Individual Multiwalled Carbon Nanotube. <i>Nano Letters</i> , 2010, 10, 4470-4474.	4.5	19
88	Electronic Properties of Semiconducting Polymer-Functionalized Single Wall Carbon Nanotubes. <i>Macromolecules</i> , 2013, 46, 2590-2598.	2.2	19
89	Adsorption Behavior of 4-Methoxypyridine on Gold Nanoparticles. <i>Langmuir</i> , 2011, 27, 7258-7264.	1.6	18
90	Effects of annealing on optical and structural properties of zinc oxide nanocrystals. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2620-2625.	0.7	18

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91	Dielectric screening effects on transition energies in aligned carbon nanotubes. <i>Physical Review B</i> , 2012, 85, .	1.1	17
92	ZA-derived phonons in the Raman spectra of single-walled carbon nanotubes. <i>Carbon</i> , 2017, 117, 360-366.	5.4	17
93	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.	2.1	16
94	Dark exciton-exciton annihilation in monolayer WS_2 . <i>Physical Review B</i> , 2021, 104, .	1.1	16
95	Chirality assignments in carbon nanotubes based on resonant Raman scattering. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, 1802-1806.	0.7	15
96	Resonance behavior of the defect-induced Raman mode of single-chirality enriched carbon nanotubes. <i>Physical Review B</i> , 2013, 87, .	1.1	15
97	Characterization of dye molecules and carbon nanostructures by tip-enhanced Raman spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2708-2712.	0.7	14
98	Tip-enhanced Raman scattering along a single wall carbon nanotubes bundle. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2818-2822.	0.7	14
99	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.	0.7	14
100	In-situ Raman study of laser-induced graphene oxidation. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2451-2455.	0.7	14
101	Excitons in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3204-3208.	0.7	13
102	Theoretical approach to Rayleigh and absorption spectra of semiconducting carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4240-4243.	0.7	13
103	Raman spectroscopy of pentyl-functionalized carbon nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2007, 1, 144-146.	1.2	13
104	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.	1.2	13
105	Structural, electronic, and vibrational properties of (4,4) picotube crystals. <i>Physical Review B</i> , 2005, 72, .	1.1	12
106	Diameter dependence of addition reactions to carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1957-1960.	0.7	12
107	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.	4.5	12
108	Raman spectroscopy of single wall carbon nanotubes functionalized with terpyridine-ruthenium complexes. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2721-2723.	0.7	11

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109	Growth and surface characterization of magnetron sputtered zinc nitride thin films. <i>Thin Solid Films</i> , 2012, 520, 7230-7235.	0.8	10
110	Electronic properties of MoS ₂ /hBN heterostructures: Impact of dopants and impurities. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2620-2625.	0.7	10
111	Synthesis and Characterization of Nanotubes from Misfit (LnS) _{1+y} TaS ₂ (Ln=Pr, Sm, Gd, Yb) Compounds. <i>Chemistry - A European Journal</i> , 2018, 24, 11354-11363.	1.7	10
112	Area-Selective Growth of HfS ₂ Thin Films via Atomic Layer Deposition at Low Temperature. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001493.	1.9	10
113	Symmetry based analysis of the Kohn anomaly and electron-phonon interaction in graphene and carbon nanotubes. <i>Physical Review B</i> , 2010, 81, .	1.1	9
114	Index assignment of a carbon nanotube rope using tip-enhanced Raman spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2577-2580.	0.7	9
115	Molecular beam epitaxy of graphene on mica. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 2507-2510.	0.7	9
116	Raman spectroscopy of intercalated and misfit layer nanotubes. <i>Physical Review B</i> , 2016, 94, .	1.1	9
117	Covalent Patterning of 2D MoS ₂ . <i>Chemistry - A European Journal</i> , 2021, 27, 13117-13122.	1.7	9
118	Environmental influence on linear optical spectra and relaxation dynamics in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2592-2597.	0.7	8
119	Electronic Properties of Propylamine-Functionalized Single-Walled Carbon Nanotubes. <i>ChemPhysChem</i> , 2010, 11, 2444-2448.	1.0	8
120	The influence of incorporated ¹² C-carotene on the vibrational properties of single wall carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2734-2737.	0.7	8
121	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.	0.7	8
122	Experimental and theoretical Raman analysis of functionalized diamantane. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 025101.	0.6	8
123	Understanding double-resonant Raman scattering in chiral carbon nanotubes: Diameter and energy dependence of the Dmode. <i>Physical Review B</i> , 2015, 92, .	1.1	8
124	Double-resonant Raman processes in germanium: Group theory and ab initio calculations. <i>Physical Review B</i> , 2006, 73, .	1.1	7
125	Kohn anomaly in graphene. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 510-511.	1.7	7
126	UV resonance Raman analysis of trishomocubane and diamondoid dimers. <i>Journal of Chemical Physics</i> , 2014, 140, 034309.	1.2	7

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127	Comprehensive Raman study of orthorhombic $\mu\text{-Ga}_2\text{O}_3$ and the impact of rotational domains. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14175-14189.	2.7	7
128	Resonant Raman scattering in GaAs induced by an embedded InAs monolayer. <i>Physical Review B</i> , 2000, 63, .	1.1	6
129	Two-photon photoluminescence and exciton binding energies in single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 2428-2435.	0.7	6
130	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.	0.7	6
131	Lattice vibrations in graphene nanoribbons from density functional theory. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2577-2580.	0.7	6
132	Electronic and Vibrational Properties of Diamondoid Oligomers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27082-27088.	1.5	6
133	Reductive diazotation of carbon nanotubes: an experimental and theoretical selectivity study. <i>Chemical Science</i> , 2019, 10, 706-717.	3.7	6
134	Raman intensities of the first optical transitions in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3181-3185.	0.7	5
135	Raman bands of nano-graphene flakes on carbon nanotubes after oxidation. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2687-2691.	0.7	5
136	Raman Spectroscopy of Lithographically Defined Graphene Nanoribbons – Influence of Size and Defects. <i>Annalen Der Physik</i> , 2017, 529, 1700167.	0.9	5
137	Anti-Stokes Photoluminescence of Monolayer WS_2 . <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900419.	0.7	5
138	Publisher's Note: Chirality Distribution and Transition Energies of Carbon Nanotubes [<i>Phys. Rev. Lett.</i> 93, 177401 (2004)]. <i>Physical Review Letters</i> , 2004, 93, .	2.9	4
139	ELECTRON-PHONON COUPLING IN GRAPHENE. <i>International Journal of Modern Physics B</i> , 2010, 24, 655-660.	1.0	4
140	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.	1.2	4
141	Tunable quantum interference in bilayer graphene in double-resonant Raman scattering. <i>Carbon</i> , 2018, 133, 254-259.	5.4	4
142	Thermal expansion of colloidal CdSe/CdS core/shell quantum dots. <i>Physical Review B</i> , 2019, 99, .	1.1	4
143	Vibrational signatures of diamondoid dimers with large intramolecular London dispersion interactions. <i>Carbon</i> , 2020, 157, 201-207.	5.4	4
144	Polarised Raman measurements on the core complex of crystallised photosystem II. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2813-2816.	0.7	3

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145	Resonant Raman scattering on carbon nanotubes covalently functionalized with lithium decyne. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2863-2866.	0.7	3
146	Publisher's Note: Splitting of the Raman 2D band of graphene subjected to strain [Phys. Rev. B82, 201409 (2010)]. <i>Physical Review B</i> , 2010, 82, .	1.1	3
147	Electronic characterization of single-layer MoS ₂ sheets exfoliated on SrTiO ₃ . <i>Materials Research Society Symposia Proceedings</i> , 2012, 1474, 30.	0.1	3
148	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.	0.7	3
149	Activation and deactivation of vibronic channels in intact phycocyanin rods. <i>Journal of Chemical Physics</i> , 2014, 140, 085101.	1.2	3
150	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.	0.7	3
151	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.	1.2	3
152	Double-resonant Raman scattering with optical and acoustic phonons in carbon nanotubes. <i>Physical Review B</i> , 2018, 97, .	1.1	3
153	Vibrational Properties and Charge Transfer in the Misfit-Layer Compound LaS ₂ CrS ₂ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 8006-8013.	1.5	3
154	Polarised Raman measurements of β -carotene encapsulated in SWNTs. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2871-2874.	0.7	2
155	Covalent Bisfunctionalization of Two-Dimensional Molybdenum Disulfide. <i>Angewandte Chemie</i> , 2021, 133, 13596-13604.	1.6	2
156	The squeezable nanojunction as a tunable light-matter interface for studying photoluminescence of 2D materials. <i>2D Materials</i> , 2021, 8, 045034.	2.0	2
157	Spatial Control of Graphene Functionalization by Patterning a 2D Substrate: Implications for Graphene Based van-der-Waals Heterostructures. <i>ACS Applied Nano Materials</i> , 0, , .	2.4	2
158	Publisher's Note: Exciton binding energies in carbon nanotubes from two-photon photoluminescence [Phys. Rev. B72, 241402(R) (2005)]. <i>Physical Review B</i> , 2006, 73, .	1.1	1
159	Symmetry-based analysis of the electron-phonon interaction in graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2606-2609.	0.7	1
160	Simulations of the polarisation-dependent Raman intensity of β -carotene in photosystem II crystals. <i>Chemical Physics</i> , 2013, 418, 65-73.	0.9	1
161	First- and second-order Raman spectroscopy of monoclinic β -Ga ₂ O ₃ . <i>Physical Review Materials</i> , 2022, 6, .	0.9	1
162	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.	0.7	0

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163	Temperature dependent band gap behavior and excitons in metallic carbon nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 3006-3009.	0.7	0
164	Raman Spectroscopy of Carbon Nanostructures. , 2010, , .		0
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