Janina Maultzsch

List of Publications by Year
in descending order

169	10,321	53794	33894
papers	citations	45 h-index	99 g-index

173	173	173	12692
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tight-binding description of graphene. Physical Review B, 2002, 66, .	3.2	904
2	High-resolution scanning tunneling microscopy imaging of mesoscopic graphene sheets on an insulating surface. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9209-9212.	7.1	553
3	Reversible Basal Plane Hydrogenation of Graphene. Nano Letters, 2008, 8, 4597-4602.	9.1	513
4	Phonon Dispersion in Graphite. Physical Review Letters, 2004, 92, 075501.	7.8	460
5	Exciton binding energies in carbon nanotubes from two-photon photoluminescence. Physical Review B, 2005, 72, .	3.2	441
6	Edge and confinement effects allow in situ measurement of size and thickness of liquid-exfoliated nanosheets. Nature Communications, 2014, 5, 4576.	12.8	432
7	Phonon dispersion of graphite by inelastic x-ray scattering. Physical Review B, 2007, 76, .	3.2	381
8	Fewâ€Layer Antimonene by Liquidâ€Phase Exfoliation. Angewandte Chemie - International Edition, 2016, 55, 14345-14349.	13.8	346
9	Chirality Distribution and Transition Energies of Carbon Nanotubes. Physical Review Letters, 2004, 93, 177401.	7.8	339
10	Radial breathing mode of single-walled carbon nanotubes: Optical transition energies and chiral-index assignment. Physical Review B, 2005, 72, .	3.2	323
11	Raman 2D-Band Splitting in Graphene: Theory and Experiment. ACS Nano, 2011, 5, 2231-2239.	14.6	271
12	Elasticity of single-crystalline graphite: Inelastic x-ray scattering study. Physical Review B, 2007, 75, .	3.2	264
13	Double-resonant Raman scattering in graphite: Interference effects, selection rules, and phonon dispersion. Physical Review B, 2004, 70, .	3.2	255
14	Fundamental Insights into the Degradation and Stabilization of Thin Layer Black Phosphorus. Journal of the American Chemical Society, 2017, 139, 10432-10440.	13.7	232
15	Photoluminescence of freestanding single- and few-layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>MoS</mml:mtext><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2014, 89, .	3.2	230
16	Raman characterization of boron-doped multiwalled carbon nanotubes. Applied Physics Letters, 2002, 81, 2647-2649.	3.3	185
17	Raman Spectroscopy of Lithographically Patterned Graphene Nanoribbons. ACS Nano, 2011, 5, 4123-4130.	14.6	148
18	Time-resolved Raman spectroscopy of optical phonons in graphite: Phonon anharmonic coupling and anomalous stiffening. Physical Review B, 2009, 80, .	3.2	121

#	Article	IF	Citations
19	Chirality-selective Raman scattering of theDmode in carbon nanotubes. Physical Review B, 2001, 64, .	3.2	120
20	Infrared Interlayer Exciton Emission in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Heterostructures. Physical Review Letters, 2019, 123, 247402.	7.8	119
21	Strength of radial breathing mode in single-walled carbon nanotubes. Physical Review B, 2005, 71, .	3.2	109
22	Splitting of the Raman<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:mi>D</mml:mi></mml:mrow></mml:math>band of graphene subjected to strain. Physical Review B, 2010, 82, .	3.2	106
23	Two-dimensional electronic and vibrational band structure of uniaxially strained graphene fromab initiocalculations. Physical Review B, 2009, 80, .	3.2	105
24	Raman scattering in carbon nanotubes revisited. Physical Review B, 2002, 65, .	3.2	100
25	Variable Electron-Phonon Coupling in Isolated Metallic Carbon Nanotubes Observed by Raman Scattering. Physical Review Letters, 2007, 99, 027402.	7.8	98
26	Vibrational properties of graphene nanoribbons by first-principles calculations. Physical Review B, 2009, 80, .	3.2	96
27	Chiral Index Dependence of the G⁺ and G^{â€“} Raman Modes in Semiconducting Carbon Nanotubes. ACS Nano, 2012, 6, 904-911.	14.6	85
28	Interlayer resonant Raman modes in few-layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2015, 91, .	3.2	82
29	Effect of contaminations and surface preparation on the work function of single layer MoS₂. Beilstein Journal of Nanotechnology, 2014, 5, 291-297.	2.8	79
30	Radiation hardness of graphene and MoS2 field effect devices against swift heavy ion irradiation. Journal of Applied Physics, 2013, 113, .	2.5	78
31	Splitting of monolayer out-of-plane<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msubsup><mml:mi>A</mml:mi><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msubsup></mml:math> mode in few-layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2015, 91, .	3.2	78
32	Interlayer excitons in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MoSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> heterostructures from first principles. Physical Review B, 2018, 97, .	3.2	78
33	Phonon dispersion of carbon nanotubes. Solid State Communications, 2002, 121, 471-474.	1.9	68
34	Resonant Raman spectroscopy of nanotubes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2337-2359.	3.4	68
35	Twist-tailoring Coulomb correlations in van der Waals homobilayers. Nature Communications, 2020, 11, 2167.	12.8	63
36	Selective Polycarboxylation of Semiconducting Single-Walled Carbon Nanotubes by Reductive Sidewall Functionalization. Journal of the American Chemical Society, 2011, 133, 19459-19473.	13.7	62

#	Article	IF	Citations
37	High-Energy Phonon Branches of an Individual Metallic Carbon Nanotube. Physical Review Letters, 2003, 91, 087402.	7.8	61
38	Longitudinal Optical Phonons in Metallic and Semiconducting Carbon Nanotubes. Physical Review Letters, 2009, 102, 075501.	7.8	61
39	Electrochemical switching of the Peierls-like transition in metallic single-walled carbon nanotubes. Physical Review B, 2005, 72, .	3.2	60
40	Signature of the two-dimensional phonon dispersion in graphene probed by double-resonant Raman scattering. Physical Review B, 2013, 87, .	3.2	60
41	Hybridized intervalley moirÃ© excitons and flat bands in twisted WSe₂ bilayers. Nanoscale, 2020, 12, 11088-11094.	5.6	55
42	Graphene grown on Ge(0 0 1) from atomic source. Carbon, 2014, 75, 104-112.	10.3	54
43	Phonon dispersion in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></m Physical Review B, 2019, 99, .	3.2	49
44	Excitonic absorption spectra of metallic single-walled carbon nanotubes. Physical Review B, 2010, 82, .	3.2	46
45	Light-Matter Interactions in Two-Dimensional Transition Metal Dichalcogenides: Dominant Excitonic Transitions in Mono- and Few-Layer MoX$_2$ and Band Nesting. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 219-230.	2.9	46
46	Symmetry properties of vibrational modes in graphene nanoribbons. Physical Review B, 2010, 81, .	3.2	44
47	Understanding the growth mechanism of graphene on Ge/Si(001) surfaces. Scientific Reports, 2016, 6, 31639.	3.3	44
48	Degree of functionalisation dependence of individual Raman intensities in covalent graphene derivatives. Scientific Reports, 2017, 7, 45165.	3.3	44
49	Full-Spectrum InP-Based Quantum Dots with Near-Unity Photoluminescence Quantum Efficiency. ACS Nano, 2022, 16, 9701-9712.	14.6	44
50	Strain Engineering in InP/(Zn,Cd)Se Core/Shell Quantum Dots. Chemistry of Materials, 2018, 30, 4393-4400.	6.7	43
51	Indirect doping effects from impurities inMoS2/h-BNheterostructures. Physical Review B, 2014, 90, .	3.2	39
52	The radial breathing mode frequency in double-walled carbon nanotubes: an analytical approximation. Physica Status Solidi (B): Basic Research, 2003, 237, R7-R10.	1.5	38
53	Layer-number determination in graphene by out-of-plane phonons. Physical Review B, 2012, 85, .	3.2	38
54	Nanoscale Imaging of InN Segregation and Polymorphism in Single Vertically Aligned InGaN/GaN Multi Quantum Well Nanorods by Tip-Enhanced Raman Scattering. Nano Letters, 2013, 13, 3205-3212.	9.1	37

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55	Solidâ€State Chemistry on the Nanoscale: Ion Transport through Interstitial Sites or Vacancies?. Angewandte Chemie - International Edition, 2015, 54, 14183-14186.	13.8	37
56	Resonant-Raman intensities and transition energies of theE11transition in carbon nanotubes. Physical Review B, 2006, 74, .	3.2	36
57	Molecular beam growth of micrometer-size graphene on mica. Carbon, 2013, 52, 40-48.	10.3	36
58	Two-Dimensional Analysis of the Double-Resonant 2D Raman Mode in Bilayer Graphene. Physical Review Letters, 2014, 113, 187401.	7.8	35
59	Unveiling the oxidation behavior of liquid-phase exfoliated antimony nanosheets. 2D Materials, 2020, 7, 025039.	4.4	33
60	Excitonic Rayleigh scattering spectra of metallic single-walled carbon nanotubes. Physical Review B, 2010, 82, .	3.2	32
61	Graphene on Si(111)7Ã—7. Nanotechnology, 2012, 23, 405708.	2.6	32
62	Graphene-based electro-absorption modulator integrated in a passive polymer waveguide platform. Optical Materials Express, 2016, 6, 1800.	3.0	32
63	Resonance Profiles of Valley Polarization in Single-Layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MoSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2018, 121, 167401.	7.8	30
64	Double-resonant LA phonon scattering in defective graphene and carbon nanotubes. Physical Review B, 2014, 90, .	3.2	29
65	Intermediate frequency modes in Raman spectra of Ar+-irradiated single-wall carbon nanotubes. Physica Status Solidi - Rapid Research Letters, 2007, 1, 138-140.	2.4	28
66	G^{â€“} and G⁺ in the Raman spectrum of isolated nanotube: a study on resonance conditions and lineshape. Physica Status Solidi (B): Basic Research, 2008, 245, 2189-2192.	1.5	28
67	Covalent Bisfunctionalization of Twoâ€Dimensional Molybdenum Disulfide. Angewandte Chemie - International Edition, 2021, 60, 13484-13492.	13.8	28
68	Ramanâ€active modes in graphene nanoribbons. Physica Status Solidi (B): Basic Research, 2010, 247, 2941-2944.	1.5	27
69	Resonant Raman profiles and Âµâ€photoluminescence of atomically thin layers of molybdenum disulfide. Physica Status Solidi (B): Basic Research, 2012, 249, 2644-2647.	1.5	27
70	Controlled Folding of Graphene: GraFold Printing. Nano Letters, 2015, 15, 857-863.	9.1	27
71	Diameter dependence of the defect-induced Raman modes in functionalized carbon nanotubes. Carbon, 2017, 112, 1-7.	10.3	27
72	Ab initiocalculations of edge-functionalized armchair graphene nanoribbons: Structural, electronic, and vibrational effects. Physical Review B, 2011, 84, .	3.2	26

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73	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
74	Raman Spectroscopy of Suspended MoS₂. Physica Status Solidi (B): Basic Research, 2017, 254, 1700218.	1.5	26
75	Theory of Rayleigh scattering from metallic carbon nanotubes. Physical Review B, 2008, 77, .	3.2	23
76	Coulomb effects in singleâ€walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2008, 245, 2155-2158.	1.5	22
77	Ultrafast Relaxation Dynamics via Acoustic Phonons in Carbon Nanotubes. Nano Letters, 2012, 12, 2249-2253.	9.1	22
78	Strain in InP/ZnSe, S core/shell quantum dots from lattice mismatch and shell thicknessâ€"Material stiffness influence. Journal of Chemical Physics, 2019, 151, 154704.	3.0	22
79	Two-Dimensional Antimony Oxide. Physical Review Letters, 2020, 124, 126101.	7.8	22
80	Probing local strain and composition in Ge nanowires by means of tip-enhanced Raman scattering. Nanotechnology, 2013, 24, 185704.	2.6	21
81	Beyond double-resonant Raman scattering: Ultraviolet Raman spectroscopy on graphene, graphite, and carbon nanotubes. Physical Review B, 2015, 92, .	3.2	21
82	Epitaxial Metal Halide Perovskites by Inkjetâ€Printing on Various Substrates. Advanced Functional Materials, 2020, 30, 2004612.	14.9	21
83	Observation of excitonic effects in metallic single-walled carbon nanotubes. Physical Review B, 2010, 82, .	3.2	20
84	Isotopic study of Raman active phonon modes in Î²-Ga₂O₃. Journal of Materials Chemistry C, 2021, 9, 2311-2320.	5.5	20
85	Quantum numbers and band topology of nanotubes. Journal of Physics A, 2003, 36, 5707-5717.	1.6	19
86	Raman spectroscopy on chemically functionalized carbon nanotubes. Physica Status Solidi (B): Basic Research, 2007, 244, 4056-4059.	1.5	19
87	Observation of Breathing-like Modes in an Individual Multiwalled Carbon Nanotube. Nano Letters, 2010, 10, 4470-4474.	9.1	19
88	Electronic Properties of Semiconducting Polymer-Functionalized Single Wall Carbon Nanotubes. Macromolecules, 2013, 46, 2590-2598.	4.8	19
89	Adsorption Behavior of 4-Methoxypyridine on Gold Nanoparticles. Langmuir, 2011, 27, 7258-7264.	3.5	18
90	Effects of annealing on optical and structural properties of zinc oxide nanocrystals. Physica Status Solidi (B): Basic Research, 2015, 252, 2620-2625.	1.5	18

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91	Dielectric screening effects on transition energies in aligned carbon nanotubes. Physical Review B, 2012, 85, .	3.2	17
92	ZA-derived phonons in the Raman spectra of single-walled carbon nanotubes. Carbon, 2017, 117, 360-366.	10.3	17
93	Breakdown of Far-Field Raman Selection Rules by Lightâ€“Plasmon Coupling Demonstrated by Tip-Enhanced Raman Scattering. Journal of Physical Chemistry Letters, 2017, 8, 5462-5471.	4.6	16
94	Dark exciton-exciton annihilation in monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>WSe</mml:mi></mml:mrow><mml:mn>2</mml:mn> Physical Review B, 2021, 104, .	3.2	16
95	Chirality assignments in carbon nanotubes based on resonant Raman scattering. Physica Status Solidi (B): Basic Research, 2005, 242, 1802-1806.	1.5	15
96	Resonance behavior of the defect-induced Raman mode of single-chirality enriched carbon nanotubes. Physical Review B, 2013, 87, .	3.2	15
97	Characterization of dye molecules and carbon nanostructures by tipâ€enhanced Raman spectroscopy. Physica Status Solidi (B): Basic Research, 2009, 246, 2708-2712.	1.5	14
98	Tipâ€enhanced Raman scattering along a single wall carbon nanotubes bundle. Physica Status Solidi (B): Basic Research, 2010, 247, 2818-2822.	1.5	14
99	Effect of gap modes on graphene and multilayer graphene in tipâ€enhanced Raman spectroscopy. Physica Status Solidi (B): Basic Research, 2012, 249, 2511-2514.	1.5	14
100	In-situ Raman study of laser-induced graphene oxidation. Physica Status Solidi (B): Basic Research, 2015, 252, 2451-2455.	1.5	14
101	Excitons in carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3204-3208.	1.5	13
102	Theoretical approach to Rayleigh and absorption spectra of semiconducting carbon nanotubes. Physica Status Solidi (B): Basic Research, 2007, 244, 4240-4243.	1.5	13
103	Raman spectroscopy of pentyl-functionalized carbon nanotubes. Physica Status Solidi - Rapid Research Letters, 2007, 1, 144-146.	2.4	13
104	Interface formation during silica encapsulation of colloidal CdSe/CdS quantum dots observed by in situ Raman spectroscopy. Journal of Chemical Physics, 2017, 146, 134708.	3.0	13
105	Structural, electronic, and vibrational properties of (4,4) picotube crystals. Physical Review B, 2005, 72, .	3.2	12
106	Diameter dependence of addition reactions to carbon nanotubes. Physica Status Solidi (B): Basic Research, 2008, 245, 1957-1960.	1.5	12
107	Kohn Anomaly and Electronâ^'Phonon Interaction at the K-Derived Point of the Brillouin Zone of Metallic Nanotubes. Nano Letters, 2009, 9, 3343-3348.	9.1	12
108	Raman spectroscopy of single wall carbon nanotubes functionalized with terpyridineâ€“ruthenium complexes. Physica Status Solidi (B): Basic Research, 2009, 246, 2721-2723.	1.5	11

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109	Growth and surface characterization of magnetron sputtered zinc nitride thin films. Thin Solid Films, 2012, 520, 7230-7235.	1.8	10
110	Electronic properties of MoS₂/hâ€BN heterostructures: Impact of dopants and impurities. Physica Status Solidi (B): Basic Research, 2014, 251, 2620-2625.	1.5	10
111	Synthesis and Characterization of Nanotubes from Misfit (LnS)_{1+y}TaS₂ (Ln=Pr, Sm, Gd, Yb) Compounds. Chemistry - A European Journal, 2018, 24, 11354-11363.	3.3	10
112	Areaâ€Selective Growth of HfS₂ Thin Films via Atomic Layer Deposition at Low Temperature. Advanced Materials Interfaces, 2020, 7, 2001493.	3.7	10
113	Symmetry based analysis of the Kohn anomaly and electron-phonon interaction in graphene and carbon nanotubes. Physical Review B, 2010, 81, .	3.2	9
114	Index assignment of a carbon nanotube rope using tipâ€enhanced Raman spectroscopy. Physica Status Solidi (B): Basic Research, 2011, 248, 2577-2580.	1.5	9
115	Molecular beam epitaxy of graphene on mica. Physica Status Solidi (B): Basic Research, 2012, 249, 2507-2510.	1.5	9
116	Raman spectroscopy of intercalated and misfit layer nanotubes. Physical Review B, 2016, 94, .	3.2	9
117	Covalent Patterning of 2D MoS₂. Chemistry - A European Journal, 2021, 27, 13117-13122.	3.3	9
118	Environmental influence on linear optical spectra and relaxation dynamics in carbon nanotubes. Physica Status Solidi (B): Basic Research, 2009, 246, 2592-2597.	1.5	8
119	Electronic Properties of Propylamineâ€Functionalized Singleâ€Walled Carbon Nanotubes. ChemPhysChem, 2010, 11, 2444-2448.	2.1	8
120	The influence of incorporated Î²â€carotene on the vibrational properties of single wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2734-2737.	1.5	8
121	Resonance behavior of defectâ€induced modes in metallic and semiconducting singleâ€walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2012, 249, 2460-2464.	1.5	8
122	Experimental and theoretical Raman analysis of functionalized diamantane. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 025101.	1.5	8
123	Understanding double-resonant Raman scattering in chiral carbon nanotubes: Diameter and energy dependence of theDmode. Physical Review B, 2015, 92, .	3.2	8
124	Double-resonant Raman processes in germanium: Group theory andab initiocalculations. Physical Review B, 2006, 73, .	3.2	7
125	Kohn anomaly in graphene. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 510-511.	3.5	7
126	UV resonance Raman analysis of trishomocubane and diamondoid dimers. Journal of Chemical Physics, 2014, 140, 034309.	3.0	7

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127	Comprehensive Raman study of orthorhombic Î²/Îµ-Ga₂O₃ and the impact of rotational domains. Journal of Materials Chemistry C, 2021, 9, 14175-14189.	5.5	7
128	Resonant Raman scattering in GaAs induced by an embedded InAs monolayer. Physical Review B, 2000, 63, .	3.2	6
129	Two-photon photoluminescence and exciton binding energies in single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 2428-2435.	1.5	6
130	First and second optical transitions in singleâ€walled carbon nanotubes: a resonant Raman study. Physica Status Solidi (B): Basic Research, 2007, 244, 4006-4010.	1.5	6
131	Lattice vibrations in graphene nanoribbons from density functional theory. Physica Status Solidi (B): Basic Research, 2009, 246, 2577-2580.	1.5	6
132	Electronic and Vibrational Properties of Diamondoid Oligomers. Journal of Physical Chemistry C, 2017, 121, 27082-27088.	3.1	6
133	Reductive diazotation of carbon nanotubes: an experimental and theoretical selectivity study. Chemical Science, 2019, 10, 706-717.	7.4	6
134	Raman intensities of the first optical transitions in carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3181-3185.	1.5	5
135	Raman bands of nano-graphene flakes on carbon nanotubes after oxidation. Physica Status Solidi (B): Basic Research, 2013, 250, 2687-2691.	1.5	5
136	Raman Spectroscopy of Lithographically Defined Graphene Nanoribbons â€•Influence of Size and Defects. Annalen Der Physik, 2017, 529, 1700167.	2.4	5
137	Antiâ€Stokes Photoluminescence of Monolayer WS₂. Physica Status Solidi (B): Basic Research, 2019, 256, 1900419.	1.5	5
138	Publisher's Note: Chirality Distribution and Transition Energies of Carbon Nanotubes [Phys. Rev. Lett.93, 177401 (2004)]. Physical Review Letters, 2004, 93, .	7.8	4
139	ELECTRON-PHONON COUPLING IN GRAPHENE. International Journal of Modern Physics B, 2010, 24, 655-660.	2.0	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. Journal of Chemical Physics, 2017, 147, 044303.	3.0	4
141	Tunable quantum interference in bilayer graphene in double-resonant Raman scattering. Carbon, 2018, 133, 254-259.	10.3	4
142	Thermal expansion of colloidal CdSe/CdS core/shell quantum dots. Physical Review B, 2019, 99, .	3.2	4
143	Vibrational signatures of diamondoid dimers with large intramolecular London dispersion interactions. Carbon, 2020, 157, 201-207.	10.3	4
144	Polarised Raman measurements on the core complex of crystallised photosystem II. Physica Status Solidi (B): Basic Research, 2009, 246, 2813-2816.	1.5	3

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145	Resonant Raman scattering on carbon nanotubes covalently functionalized with lithium decyne. Physica Status Solidi (B): Basic Research, 2010, 247, 2863-2866.	1.5	3
146	Publisher's Note: Splitting of the Raman2Dband of graphene subjected to strain [Phys. Rev. B82, 201409 (2010)]. Physical Review B, 2010, 82, .	3.2	3
147	Electronic characterization of single-layer MoS₂ sheets exfoliated on SrTiO₃. Materials Research Society Symposia Proceedings, 2012, 1474, 30.	0.1	3
148	Influence of the layer number and stacking order on out-of-plane phonons in few-layer graphene. Physica Status Solidi (B): Basic Research, 2013, 250, 2697-2701.	1.5	3
149	Activation and deactivation of vibronic channels in intact phycocyanin rods. Journal of Chemical Physics, 2014, 140, 085101.	3.0	3
150	Raman spectroscopy of nondispersive intermediate frequency modes and their overtones in carbon nanotubes. Physica Status Solidi (B): Basic Research, 2015, 252, 2551-2557.	1.5	3
151	Revealing the origin of high-energy Raman local mode in nitrogen doped ZnO nanowires. Physica Status Solidi - Rapid Research Letters, 2016, 10, 334-338.	2.4	3
152	Double-resonant Raman scattering with optical and acoustic phonons in carbon nanotubes. Physical Review B, 2018, 97, .	3.2	3
153	Vibrational Properties and Charge Transfer in the Misfit-Layer Compound LaSâ€“CrS₂. Journal of Physical Chemistry C, 2021, 125, 8006-8013.	3.1	3
154	Polarised Raman measurements of Î²â€carotene encapsulated in SWNTs. Physica Status Solidi (B): Basic Research, 2010, 247, 2871-2874.	1.5	2
155	Covalent Bisfunctionalization of Twoâ€Ðimensional Molybdenum Disulfide. Angewandte Chemie, 2021, 133, 13596-13604.	2.0	2
156	The squeezable nanojunction as a tunable light-matter interface for studying photoluminescence of 2D materials. 2D Materials, 2021, 8, 045034.	4.4	2
157	Spatial Control of Graphene Functionalization by Patterning a 2D Substrate: Implications for Graphene Based van-der-Waals Heterostructures. ACS Applied Nano Materials, 0, , .	5.0	2
158	Publisher's Note: Exciton binding energies in carbon nanotubes from two-photon photoluminescence [Phys. Rev. B72, 241402(R) (2005)]. Physical Review B, 2006, 73, .	3.2	1
159	Symmetry-based analysis of the electron-phonon interaction in graphene. Physica Status Solidi (B): Basic Research, 2009, 246, 2606-2609.	1.5	1
160	Simulations of the polarisation-dependent Raman intensity of -carotene in photosystem II crystals. Chemical Physics, 2013, 418, 65-73.	1.9	1
161	First- and second-order Raman spectroscopy of monoclinic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi><mml:mo>â^’</mml:mo><mml:msub><mml:mi mathvariant="normal">Ga</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Materials, 2022, 6, .	2.4	1
162	Variable doping sensitivity of the TO phonon dispersion branch of metallic nanotubes: A double resonant Raman scattering study. Physica Status Solidi (B): Basic Research, 2009, 246, 2713-2716.	1.5	0

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