Janina Maultzsch

List of Publications by Citations

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	Tight-binding description of graphene. *Physical Review B*, **2002**, 66,	3.3	761
159	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, 9209-12	11.5	494
158	Reversible basal plane hydrogenation of graphene. *Nano Letters*, **2008**, 8, 4597-602	11.5	479
157	Phonon dispersion in graphite. *Physical Review Letters*, **2004**, 92, 075501	7.4	410
156	Exciton binding energies in carbon nanotubes from two-photon photoluminescence. *Physical Review B*, **2005**, 72,	3.3	404
155	Edge and confinement effects allow in situ measurement of size and thickness of liquid-exfoliated nanosheets. *Nature Communications*, **2014**, 5, 4576	17.4	350
154	Phonon dispersion of graphite by inelastic x-ray scattering. *Physical Review B*, **2007**, 76,	3.3	330
153	Chirality distribution and transition energies of carbon nanotubes. *Physical Review Letters*, **2004**, 93, 177401	7.4	317
152	Few-Layer Antimonene by Liquid-Phase Exfoliation. *Angewandte Chemie - International Edition*, **2016**, 55, 14345-14349	16.4	299
151	Radial breathing mode of single-walled carbon nanotubes: Optical transition energies and chiral-index assignment. *Physical Review B*, **2005**, 72,	3.3	287
150	Raman 2D-band splitting in graphene: theory and experiment. *ACS Nano*, **2011**, 5, 2231-9	16.7	228
149	Elasticity of single-crystalline graphite: Inelastic x-ray scattering study. *Physical Review B*, **2007**, 75,	3.3	224
148	Double-resonant Raman scattering in graphite: Interference effects, selection rules, and phonon dispersion. *Physical Review B*, **2004**, 70,	3.3	221
147	Photoluminescence of freestanding single- and few-layer MoS2. *Physical Review B*, **2014**, 89,	3.3	195
146	Fundamental Insights into the Degradation and Stabilization of Thin Layer Black Phosphorus. *Journal of the American Chemical Society*, **2017**, 139, 10432-10440	16.4	181
145	Raman characterization of boron-doped multiwalled carbon nanotubes. *Applied Physics Letters*, **2002**, 81, 2647-2649	3.4	172
144	Raman spectroscopy of lithographically patterned graphene nanoribbons. *ACS Nano*, **2011**, 5, 4123-30	16.7	134

143	Chirality-selective Raman scattering of the D mode in carbon nanotubes. *Physical Review B*, **2001**, 64,	3.3	108
142	Time-resolved Raman spectroscopy of optical phonons in graphite: Phonon anharmonic coupling and anomalous stiffening. *Physical Review B*, **2009**, 80,	3.3	105
141	Strength of radial breathing mode in single-walled carbon nanotubes. *Physical Review B*, **2005**, 71,	3.3	104
140	Splitting of the Raman 2D band of graphene subjected to strain. *Physical Review B*, **2010**, 82,	3.3	94
139	Two-dimensional electronic and vibrational band structure of uniaxially strained graphene from ab initio calculations. *Physical Review B*, **2009**, 80,	3.3	92
138	Variable electron-phonon coupling in isolated metallic carbon nanotubes observed by Raman scattering. *Physical Review Letters*, **2007**, 99, 027402	7.4	91
137	Raman scattering in carbon nanotubes revisited. *Physical Review B*, **2002**, 65,	3.3	85
136	Vibrational properties of graphene nanoribbons by first-principles calculations. *Physical Review B*, **2009**, 80,	3.3	77
135	Splitting of monolayer out-of-plane A1? Raman mode in few-layer WS2. *Physical Review B*, **2015**, 91,	3.3	71
134	Radiation hardness of graphene and MoS2 field effect devices against swift heavy ion irradiation. *Journal of Applied Physics*, **2013**, 113, 214306	2.5	67
133	Chiral index dependence of the G+ and G- Raman modes in semiconducting carbon nanotubes. *ACS Nano*, **2012**, 6, 904-11	16.7	66
132	Interlayer resonant Raman modes in few-layer MoS2. *Physical Review B*, **2015**, 91,	3.3	65
131	Phonon dispersion of carbon nanotubes. *Solid State Communications*, **2002**, 121, 471-474	1.6	65
130	Effect of contaminations and surface preparation on the work function of single layer MoS2. *Beilstein Journal of Nanotechnology*, **2014**, 5, 291-7	3	61
129	Resonant Raman spectroscopy of nanotubes. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2004**, 362, 2337-59	3	58
128	Electrochemical switching of the Peierls-like transition in metallic single-walled carbon nanotubes. *Physical Review B*, **2005**, 72,	3.3	58
127	Infrared Interlayer Exciton Emission in MoS_{2}/WSe_{2} Heterostructures. *Physical Review Letters*, **2019**, 123, 247402	7.4	56
126	Selective polycarboxylation of semiconducting single-walled carbon nanotubes by reductive sidewall functionalization. *Journal of the American Chemical Society*, **2011**, 133, 19459-73	16.4	54

125	Longitudinal optical phonons in metallic and semiconducting carbon nanotubes. *Physical Review Letters*, **2009**, 102, 075501	7.4	54
124	High-energy phonon branches of an individual metallic carbon nanotube. *Physical Review Letters*, **2003**, 91, 087402	7.4	51
123	Signature of the two-dimensional phonon dispersion in graphene probed by double-resonant Raman scattering. *Physical Review B*, **2013**, 87,	3.3	50
122	Graphene grown on Ge(0 0 1) from atomic source. *Carbon*, **2014**, 75, 104-112	10.4	49
121	Interlayer excitons in MoSe2/WSe2 heterostructures from first principles. *Physical Review B*, **2018**, 97,	3.3	46
120	Excitonic absorption spectra of metallic single-walled carbon nanotubes. *Physical Review B*, **2010**, 82,	3.3	45
119	Degree of functionalisation dependence of individual Raman intensities in covalent graphene derivatives. *Scientific Reports*, **2017**, 7, 45165	4.9	37
118	Understanding the growth mechanism of graphene on Ge/Si(001) surfaces. *Scientific Reports*, **2016**, 6, 31639	4.9	37
117	Layer-number determination in graphene by out-of-plane phonons. *Physical Review B*, **2012**, 85,	3.3	37
116	Indirect doping effects from impurities in MoS2/h-BN heterostructures. *Physical Review B*, **2014**, 90,	3.3	36
115	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	3.8	34
114	Resonant-Raman intensities and transition energies of the E11 transition in carbon nanotubes. *Physical Review B*, **2006**, 74,	3.3	34
113	The radial breathing mode frequency in double-walled carbon nanotubes: an analytical approximation. *Physica Status Solidi (B): Basic Research*, **2003**, 237, R7-R10	1.3	34
112	Symmetry properties of vibrational modes in graphene nanoribbons. *Physical Review B*, **2010**, 81,	3.3	33
111	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, 3205-12	11.5	32
110	Molecular beam growth of micrometer-size graphene on mica. *Carbon*, **2013**, 52, 40-48	10.4	32
109	Solid-State Chemistry on the Nanoscale: Ion Transport through Interstitial Sites or Vacancies?. *Angewandte Chemie - International Edition*, **2015**, 54, 14183-6	16.4	31
108	Excitonic Rayleigh scattering spectra of metallic single-walled carbon nanotubes. *Physical Review B*, **2010**, 82,	3.3	31

107	Two-dimensional analysis of the double-resonant 2D Raman mode in bilayer graphene. *Physical Review Letters*, **2014**, 113, 187401	7.4	28
106	Twist-tailoring Coulomb correlations in van der Waals homobilayers. *Nature Communications*, **2020**, 11, 2167	17.4	27
105	Strain Engineering in InP/(Zn,Cd)Se Core/Shell Quantum Dots. *Chemistry of Materials*, **2018**, 30, 4393-4400	9.6	27
104	Graphene on Si(111)7×7. *Nanotechnology*, **2012**, 23, 405708	3.4	27
103	Intermediate frequency modes in Raman spectra of Ar+-irradiated single-wall carbon nanotubes. *Physica Status Solidi - Rapid Research Letters*, **2007**, 1, 138-140	2.5	26
102	Resonant Raman profiles and μ-photoluminescence of atomically thin layers of molybdenum disulfide. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 2644-2647	1.3	25
101	Ab initio calculations of edge-functionalized armchair graphene nanoribbons: Structural, electronic, and vibrational effects. *Physical Review B*, **2011**, 84,	3.3	25
100	Phonon dispersion in MoS2. *Physical Review B*, **2019**, 99,	3.3	24
99	G− 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	1.3	24
98	Controlled folding of graphene: GraFold printing. *Nano Letters*, **2015**, 15, 857-63	11.5	23
97	Studying the local character of Raman features of single-walled carbon nanotubes along a bundle using TERS. *Nanoscale Research Letters*, **2011**, 6, 174	5	23
96	Raman-active modes in graphene nanoribbons. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 2941-2944	1.3	23
95	Theory of Rayleigh scattering from metallic carbon nanotubes. *Physical Review B*, **2008**, 77,	3.3	22
94	Hybridized intervalley moiré excitons and flat bands in twisted WSe bilayers. *Nanoscale*, **2020**, 12, 11088-11094	7.7	21
93	Diameter dependence of the defect-induced Raman modes in functionalized carbon nanotubes. *Carbon*, **2017**, 112, 1-7	10.4	21
92	Beyond double-resonant Raman scattering: Ultraviolet Raman spectroscopy on graphene, graphite, and carbon nanotubes. *Physical Review B*, **2015**, 92,	3.3	21
91	Coulomb effects in single-walled carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2008**, 245, 2155-2158	1.3	21
90	Ultrafast relaxation dynamics via acoustic phonons in carbon nanotubes. *Nano Letters*, **2012**, 12, 2249-53	11.5	20

89	Probing local strain and composition in Ge nanowires by means of tip-enhanced Raman scattering. *Nanotechnology*, **2013**, 24, 185704	3.4	20
88	Unveiling the oxidation behavior of liquid-phase exfoliated antimony nanosheets. *2D Materials*, **2020**, 7, 025039	5.9	18
87	Double-resonant LA phonon scattering in defective graphene and carbon nanotubes. *Physical Review B*, **2014**, 90,	3.3	18
86	Electronic Properties of Semiconducting Polymer-Functionalized Single Wall Carbon Nanotubes. *Macromolecules*, **2013**, 46, 2590-2598	5.5	18
85	Observation of excitonic effects in metallic single-walled carbon nanotubes. *Physical Review B*, **2010**, 82,	3.3	18
84	Observation of breathing-like modes in an individual multiwalled carbon nanotube. *Nano Letters*, **2010**, 10, 4470-4	11.5	18
83	Resonance Profiles of Valley Polarization in Single-Layer MoS_{2} and MoSe_{2}. *Physical Review Letters*, **2018**, 121, 167401	7.4	18
82	Raman spectroscopy on chemically functionalized carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2007**, 244, 4056-4059	1.3	17
81	Adsorption behavior of 4-methoxypyridine on gold nanoparticles. *Langmuir*, **2011**, 27, 7258-64	4	16
80	Dielectric screening effects on transition energies in aligned carbon nanotubes. *Physical Review B*, **2012**, 85,	3.3	15
79	Quantum numbers and band topology of nanotubes. *Journal of Physics A*, **2003**, 36, 5707-5717		15
78	Graphene-based electro-absorption modulator integrated in a passive polymer waveguide platform. *Optical Materials Express*, **2016**, 6, 1800	2.6	15
77	Breakdown of Far-Field Raman Selection Rules by Light-Plasmon Coupling Demonstrated by Tip-Enhanced Raman Scattering. *Journal of Physical Chemistry Letters*, **2017**, 8, 5462-5471	6.4	14
76	Characterization of dye molecules and carbon nanostructures by tip-enhanced Raman spectroscopy. *Physica Status Solidi (B): Basic Research*, **2009**, 246, 2708-2712	1.3	14
75	Tip-enhanced Raman scattering along a single wall carbon nanotubes bundle. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 2818-2822	1.3	14
74	In-situ Raman study of laser-induced graphene oxidation. *Physica Status Solidi (B): Basic Research*, **2015**, 252, 2451-2455	1.3	13
73	Raman Spectroscopy of Suspended MoS2. *Physica Status Solidi (B): Basic Research*, **2017**, 254, 1700218	1.3	13
72	Resonance behavior of the defect-induced Raman mode of single-chirality enriched carbon nanotubes. *Physical Review B*, **2013**, 87,	3.3	13

71	Theoretical approach to Rayleigh and absorption spectra of semiconducting carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2007**, 244, 4240-4243	1.3	13
70	Chirality assignments in carbon nanotubes based on resonant Raman scattering. *Physica Status Solidi (B): Basic Research*, **2005**, 242, 1802-1806	1.3	13
69	Effects of annealing on optical and structural properties of zinc oxide nanocrystals. *Physica Status Solidi (B): Basic Research*, **2015**, 252, 2620-2625	1.3	12
68	Effect of gap modes on graphene and multilayer graphene in tip-enhanced Raman spectroscopy. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 2511-2514	1.3	12
67	Kohn anomaly and electron-phonon interaction at the K-derived point of the brillouin zone of metallic nanotubes. *Nano Letters*, **2009**, 9, 3343-8	11.5	12
66	Diameter dependence of addition reactions to carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2008**, 245, 1957-1960	1.3	12
65	Excitons in carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 3204-3208	1.3	12
64	Interface formation during silica encapsulation of colloidal CdSe/CdS quantum dots observed by in situ Raman spectroscopy. *Journal of Chemical Physics*, **2017**, 146, 134708	3.9	11
63	Two-Dimensional Antimony Oxide. *Physical Review Letters*, **2020**, 124, 126101	7.4	11
62	Raman spectroscopy of single wall carbon nanotubes functionalized with terpyridine–ruthenium complexes. *Physica Status Solidi (B): Basic Research*, **2009**, 246, 2721-2723	1.3	11
61	Raman spectroscopy of pentyl-functionalized carbon nanotubes. *Physica Status Solidi - Rapid Research Letters*, **2007**, 1, 144-146	2.5	11
60	Structural, electronic, and vibrational properties of (4,4) picotube crystals. *Physical Review B*, **2005**, 72,	3.3	11
59	Covalent Bisfunctionalization of Two-Dimensional Molybdenum Disulfide. *Angewandte Chemie - International Edition*, **2021**, 60, 13484-13492	16.4	11
58	Epitaxial Metal Halide Perovskites by Inkjet-Printing on Various Substrates. *Advanced Functional Materials*, **2020**, 30, 2004612	15.6	10
57	Synthesis and Characterization of Nanotubes from Misfit (LnS) TaS (Ln=Pr, Sm, Gd, Yb) Compounds. *Chemistry - A European Journal*, **2018**, 24, 11354-11363	4.8	9
56	Index assignment of a carbon nanotube rope using tip-enhanced Raman spectroscopy. *Physica Status Solidi (B): Basic Research*, **2011**, 248, 2577-2580	1.3	9
55	ZA-derived phonons in the Raman spectra of single-walled carbon nanotubes. *Carbon*, **2017**, 117, 360-366	10.4	8
54	Raman spectroscopy of intercalated and misfit layer nanotubes. *Physical Review B*, **2016**, 94,	3.3	8

53	Strain in InP/ZnSe, S core/shell quantum dots from lattice mismatch and shell thickness-Material stiffness influence. *Journal of Chemical Physics*, **2019**, 151, 154704	3.9	8
52	Electronic properties of MoS2/h-BN heterostructures: Impact of dopants and impurities. *Physica Status Solidi (B): Basic Research*, **2014**, 251, 2620-2625	1.3	8
51	Molecular beam epitaxy of graphene on mica. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 2507-2510	1.3	8
50	Symmetry based analysis of the Kohn anomaly and electron-phonon interaction in graphene and carbon nanotubes. *Physical Review B*, **2010**, 81,	3.3	8
49	Electronic properties of propylamine-functionalized single-walled carbon nanotubes. *ChemPhysChem*, **2010**, 11, 2444-8	3.2	8
48	UV resonance Raman analysis of trishomocubane and diamondoid dimers. *Journal of Chemical Physics*, **2014**, 140, 034309	3.9	7
47	Experimental and theoretical Raman analysis of functionalized diamantane. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2013**, 46, 025101	1.3	7
46	Environmental influence on linear optical spectra and relaxation dynamics in carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2009**, 246, 2592-2597	1.3	7
45	Kohn anomaly in graphene. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2011**, 176, 510-511	3.1	7
44	The influence of incorporated □carotene on the vibrational properties of single wall carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 2734-2737	1.3	7
43	Understanding double-resonant Raman scattering in chiral carbon nanotubes: Diameter and energy dependence of the D mode. *Physical Review B*, **2015**, 92,	3.3	6
42	Resonance behavior of defect-induced modes in metallic and semiconducting single-walled carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 2460-2464	1.3	6
41	Isotopic study of Raman active phonon modes in □Ga2O3. *Journal of Materials Chemistry C*, **2021**, 9, 2311-2320	7.3	6
40	Electronic and Vibrational Properties of Diamondoid Oligomers. *Journal of Physical Chemistry C*, **2017**, 121, 27082-27088	3.8	5
39	Growth and surface characterization of magnetron sputtered zinc nitride thin films. *Thin Solid Films*, **2012**, 520, 7230-7235	2.2	5
38	Lattice vibrations in graphene nanoribbons from density functional theory. *Physica Status Solidi (B): Basic Research*, **2009**, 246, 2577-2580	1.3	5
37	First and second optical transitions in single-walled carbon nanotubes: a resonant Raman study. *Physica Status Solidi (B): Basic Research*, **2007**, 244, 4006-4010	1.3	5
36	Double-resonant Raman processes in germanium: Group theory and ab initio calculations. *Physical Review B*, **2006**, 73,	3.3	5

35	Two-photon photoluminescence and exciton binding energies in single-walled carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 2428-2435	1.3	5
34	Raman intensities of the first optical transitions in carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 3181-3185	1.3	5
33	Resonant Raman scattering in GaAs induced by an embedded InAs monolayer. *Physical Review B*, **2000**, 63,	3.3	5
32	Raman Spectroscopy of Lithographically Defined Graphene Nanoribbons - Influence of Size and Defects. *Annalen Der Physik*, **2017**, 529, 1700167	2.6	4
31	Thermal expansion of colloidal CdSe/CdS core/shell quantum dots. *Physical Review B*, **2019**, 99,	3.3	4
30	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	3.9	4
29	Raman bands of nano-graphene flakes on carbon nanotubes after oxidation. *Physica Status Solidi (B): Basic Research*, **2013**, 250, 2687-2691	1.3	4
28	Publisher© Note: Chirality Distribution and Transition Energies of Carbon Nanotubes [Phys. Rev. Lett. 93, 177401 (2004)]. *Physical Review Letters*, **2004**, 93,	7.4	4
27	Reductive diazotation of carbon nanotubes: an experimental and theoretical selectivity study. *Chemical Science*, **2019**, 10, 706-717	9.4	3
26	Tunable quantum interference in bilayer graphene in double-resonant Raman scattering. *Carbon*, **2018**, 133, 254-259	10.4	3
25	Revealing the origin of high-energy Raman local mode in nitrogen doped ZnO nanowires. *Physica Status Solidi - Rapid Research Letters*, **2016**, 10, 334-338	2.5	3
24	Activation and deactivation of vibronic channels in intact phycocyanin rods. *Journal of Chemical Physics*, **2014**, 140, 085101	3.9	3
23	Raman spectroscopy of nondispersive intermediate frequency modes and their overtones in carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2015**, 252, 2551-2557	1.3	3
22	Publisher© Note: Splitting of the Raman 2D band of graphene subjected to strain [Phys. Rev. B 82, 201409 (2010)]. *Physical Review B*, **2010**, 82,	3.3	3
21	ELECTRON-PHONON COUPLING IN GRAPHENE. *International Journal of Modern Physics B*, **2010**, 24, 655-660	1.1	3
20	Polarised Raman measurements on the core complex of crystallised photosystem II. *Physica Status Solidi (B): Basic Research*, **2009**, 246, 2813-2816	1.3	3
19	Electronic characterization of single-layer MoS2 sheets exfoliated on SrTiO3. *Materials Research Society Symposia Proceedings*, **2012**, 1474, 30		3
18	Area-Selective Growth of HfS2 Thin Films via Atomic Layer Deposition at Low Temperature. *Advanced Materials Interfaces*, **2020**, 7, 2001493	4.6	3

17	Dark exciton-exciton annihilation in monolayer WSe2. *Physical Review B*, **2021**, 104,	3.3	3
16	Anti-Stokes Photoluminescence of Monolayer WS2. *Physica Status Solidi (B): Basic Research*, **2019**, 256, 1900419	1.3	2
15	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	1.3	2
14	Resonant Raman scattering on carbon nanotubes covalently functionalized with lithium decyne. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 2863-2866	1.3	2
13	Polarised Raman measurements of □-carotene encapsulated in SWNTs. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 2871-2874	1.3	2
12	Vibrational signatures of diamondoid dimers with large intramolecular London dispersion interactions. *Carbon*, **2020**, 157, 201-207	10.4	2
11	Covalent Patterning of 2D MoS. *Chemistry - A European Journal*, **2021**, 27, 13117-13122	4.8	2
10	Double-resonant Raman scattering with optical and acoustic phonons in carbon nanotubes. *Physical Review B*, **2018**, 97,	3.3	1
9	Simulations of the polarisation-dependent Raman intensity of -carotene in photosystem II crystals. *Chemical Physics*, **2013**, 418, 65-73	2.3	1
8	Symmetry-based analysis of the electron□phonon interaction in graphene. *Physica Status Solidi (B): Basic Research*, **2009**, 246, 2606-2609	1.3	1
7	The Squeezable nanojunction as a tuneable light-matter interface for studying photoluminescence of 2D materials. *2D Materials*,	5.9	1
6	Characterization of Carbon Nanotubes by Optical Spectroscopy. *Advanced Micro & Nanosystems*, **2008**, 125-180		0
5	Vibrational Properties and Charge Transfer in the Misfit-Layer Compound LaS□rS2. *Journal of Physical Chemistry C*, **2021**, 125, 8006-8013	3.8	0
4	Covalent Bisfunctionalization of Two-Dimensional Molybdenum Disulfide. *Angewandte Chemie*, **2021**, 133, 13596-13604	3.6	0
3	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	1.3	
2	Temperature dependent band gap behavior and excitons in metallic carbon nanotubes. *Physica Status Solidi (B): Basic Research*, **2010**, 247, 3006-3009	1.3	
1	Thin Films: Area-Selective Growth of HfS2 Thin Films via Atomic Layer Deposition at Low Temperature (Adv. Mater. Interfaces 23/2020). *Advanced Materials Interfaces*, **2020**, 7, 2070130	4.6	