

Marcos A Pimenta

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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.

165 papers	19,107 citations	61 h-index	138 g-index
176 ext. papers	20,822 ext. citations	5 avg, IF	6.29 L-index

#	Paper	IF	Citations
165	Studying disorder in graphite-based systems by Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 1276-91	3.6	3172
164	General equation for the determination of the crystallite size La of nanographite by Raman spectroscopy. <i>Applied Physics Letters</i> , 2006 , 88, 163106	3.4	1736
163	Characterizing carbon nanotube samples with resonance Raman scattering. <i>New Journal of Physics</i> , 2003 , 5, 139-139	2.9	788
162	Origin of dispersive effects of the Raman D band in carbon materials. <i>Physical Review B</i> , 1999 , 59, R6585-R6588	3.9	3760
161	Defect engineering of two-dimensional transition metal dichalcogenides. <i>2D Materials</i> , 2016 , 3, 022002	5.9	538
160	Optical transition energies for carbon nanotubes from resonant Raman spectroscopy: environment and temperature effects. <i>Physical Review Letters</i> , 2004 , 93, 147406	7.4	527
159	Influence of the atomic structure on the Raman spectra of graphite edges. <i>Physical Review Letters</i> , 2004 , 93, 247401	7.4	521
158	Probing phonon dispersion relations of graphite by double resonance Raman scattering. <i>Physical Review Letters</i> , 2002 , 88, 027401	7.4	438
157	G-band resonant Raman study of 62 isolated single-wall carbon nanotubes. <i>Physical Review B</i> , 2002 , 65,	3.3	389
156	Effect of disorder on Raman scattering of single-layer MoS ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	380
155	Local Polar Fluctuations in Lead Halide Perovskite Crystals. <i>Physical Review Letters</i> , 2017 , 118, 136001	7.4	374
154	Raman modes of metallic carbon nanotubes. <i>Physical Review B</i> , 1998 , 58, R16016-R16019	3.3	362
153	Polarized raman study of aligned multiwalled carbon nanotubes. <i>Physical Review Letters</i> , 2000 , 84, 1820-3	7.4	310
152	Measuring the degree of stacking order in graphite by Raman spectroscopy. <i>Carbon</i> , 2008 , 46, 272-275	10.4	301
151	New first order Raman-active modes in few layered transition metal dichalcogenides. <i>Scientific Reports</i> , 2014 , 4, 4215	4.9	289
150	Probing the electronic structure of bilayer graphene by Raman scattering. <i>Physical Review B</i> , 2007 , 76,	3.3	277
149	Unusual angular dependence of the Raman response in black phosphorus. <i>ACS Nano</i> , 2015 , 9, 4270-6	16.7	255

148	Third and fourth optical transitions in semiconducting carbon nanotubes. <i>Physical Review Letters</i> , 2007 , 98, 067401	7.4	253
147	Inhomogeneous optical absorption around the K point in graphite and carbon nanotubes. <i>Physical Review B</i> , 2003 , 67,	3.3	239
146	Electron and phonon renormalization near charged defects in carbon nanotubes. <i>Nature Materials</i> , 2008 , 7, 878-83	27	236
145	Single nanotube Raman spectroscopy. <i>Accounts of Chemical Research</i> , 2002 , 35, 1070-8	24.3	216
144	Resonance Raman spectroscopy (n,m)-dependent effects in small-diameter single-wall carbon nanotubes. <i>Physical Review B</i> , 2005 , 71,	3.3	208
143	Double resonance Raman spectroscopy of single-wall carbon nanotubes. <i>New Journal of Physics</i> , 2003 , 5, 157-157	2.9	205
142	Measuring the absolute Raman cross section of nanographites as a function of laser energy and crystallite size. <i>Physical Review B</i> , 2007 , 76,	3.3	196
141	Polarized raman study of single-wall semiconducting carbon nanotubes. <i>Physical Review Letters</i> , 2000 , 85, 2617-20	7.4	196
140	Anisotropy of the Raman spectra of nanographite ribbons. <i>Physical Review Letters</i> , 2004 , 93, 047403	7.4	177
139	Linewidth of the Raman features of individual single-wall carbon nanotubes. <i>Physical Review B</i> , 2002 , 66,	3.3	172
138	Nature of the constant factor in the relation between radial breathing mode frequency and tube diameter for single-wall carbon nanotubes. <i>Physical Review B</i> , 2008 , 77,	3.3	161
137	Excited excitonic states in 1L, 2L, 3L, and bulk WSe ₂ observed by resonant Raman spectroscopy. <i>ACS Nano</i> , 2014 , 8, 9629-35	16.7	154
136	Quantifying carbon-nanotube species with resonance Raman scattering. <i>Physical Review B</i> , 2005 , 72,	3.3	145
135	Intervalley scattering by acoustic phonons in two-dimensional MoS revealed by double-resonance Raman spectroscopy. <i>Nature Communications</i> , 2017 , 8, 14670	17.4	141
134	Determination of LA and TO phonon dispersion relations of graphene near the Dirac point by double resonance Raman scattering. <i>Physical Review B</i> , 2007 , 76,	3.3	140
133	Stokes and anti-Stokes double resonance Raman scattering in two-dimensional graphite. <i>Physical Review B</i> , 2002 , 66,	3.3	137
132	Symmetry-dependent exciton-phonon coupling in 2D and bulk MoS ₂ observed by resonance Raman scattering. <i>Physical Review Letters</i> , 2015 , 114, 136403	7.4	135
131	Joint density of electronic states for one isolated single-wall carbon nanotube studied by resonant Raman scattering. <i>Physical Review B</i> , 2001 , 63,	3.3	128

130	Ultrasensitive molecular sensor using N-doped graphene through enhanced Raman scattering. <i>Science Advances</i> , 2016 , 2, e1600322	14.3	125
129	Charge-Transfer Mechanism in Graphene-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 25112-25118	3.8	124
128	Optical characterization of DNA-wrapped carbon nanotube hybrids. <i>Chemical Physics Letters</i> , 2004 , 397, 296-301	2.5	122
127	Synthesis, electronic structure, and Raman scattering of phosphorus-doped single-wall carbon nanotubes. <i>Nano Letters</i> , 2009 , 9, 2267-72	11.5	121
126	Comparative study of Raman spectroscopy in graphene and MoS ₂ -type transition metal dichalcogenides. <i>Accounts of Chemical Research</i> , 2015 , 48, 41-7	24.3	117
125	Anti-Stokes Raman spectra of single-walled carbon nanotubes. <i>Physical Review B</i> , 2000 , 61, R5137-R5140	3.3	116
124	Observation of distinct electron-phonon couplings in gated bilayer graphene. <i>Physical Review Letters</i> , 2008 , 101, 257401	7.4	114
123	Resonance Raman spectra of carbon nanotubes by cross-polarized light. <i>Physical Review Letters</i> , 2003 , 90, 107403	7.4	112
122	The concept of cutting lines in carbon nanotube science. <i>Journal of Nanoscience and Nanotechnology</i> , 2003 , 3, 431-58	1.3	106
121	Phonon-assisted excitonic recombination channels observed in DNA-wrapped carbon nanotubes using photoluminescence spectroscopy. <i>Physical Review Letters</i> , 2005 , 94, 127402	7.4	104
120	Chemical vapor deposition synthesis of N-, P-, and Si-doped single-walled carbon nanotubes. <i>ACS Nano</i> , 2010 , 4, 1696-702	16.7	101
119	Origin of the 2450cm ⁻¹ Raman bands in HOPG, single-wall and double-wall carbon nanotubes. <i>Carbon</i> , 2005 , 43, 1049-1054	10.4	101
118	Diameter dependence of the Raman D-band in isolated single-wall carbon nanotubes. <i>Physical Review B</i> , 2001 , 64,	3.3	101
117	Direct experimental evidence of exciton-phonon bound states in carbon nanotubes. <i>Physical Review Letters</i> , 2005 , 95, 247401	7.4	94
116	Atypical Exciton-Phonon Interactions in WS ₂ and WSe ₂ Monolayers Revealed by Resonance Raman Spectroscopy. <i>Nano Letters</i> , 2016 , 16, 2363-8	11.5	91
115	Determination of two-dimensional phonon dispersion relation of graphite by Raman spectroscopy. <i>Physical Review B</i> , 2002 , 65,	3.3	91
114	Competing spring constant versus double resonance effects on the properties of dispersive modes in isolated single-wall carbon nanotubes. <i>Physical Review B</i> , 2003 , 67,	3.3	84
113	Surface-enhanced resonant Raman spectroscopy of single-wall carbon nanotubes adsorbed on silver and gold surfaces. <i>Physical Review B</i> , 2000 , 61, 13202-13211	3.3	84

112	Raman spectroscopy in black phosphorus. <i>Journal of Raman Spectroscopy</i> , 2018 , 49, 76-90	2.3	83
111	Oxidized multiwalled carbon nanotubes as antigen delivery system to promote superior CD8(+) T cell response and protection against cancer. <i>Nano Letters</i> , 2014 , 14, 5458-70	11.5	79
110	Electronic transition energy Eii for an isolated (n,m) single-wall carbon nanotube obtained by anti-Stokes/Stokes resonant Raman intensity ratio. <i>Physical Review B</i> , 2001 , 63,	3.3	78
109	Resonant Raman spectroscopy of graphene grown on copper substrates. <i>Solid State Communications</i> , 2012 , 152, 1317-1320	1.6	75
108	Resonance Raman study of linear carbon chains formed by the heat treatment of double-wall carbon nanotubes. <i>Physical Review B</i> , 2006 , 73,	3.3	73
107	Anomalous two-peak G?-band Raman effect in one isolated single-wall carbon nanotube. <i>Physical Review B</i> , 2002 , 65,	3.3	71
106	Interplay between organic cations and inorganic framework and incommensurability in hybrid lead-halide perovskite CH3NH3PbBr3. <i>Physical Review Materials</i> , 2017 , 1,	3.2	67
105	Intralayer and interlayer electron-phonon interactions in twisted graphene heterostructures. <i>Nature Communications</i> , 2018 , 9, 1221	17.4	63
104	Second-order resonant Raman spectra of single-walled carbon nanotubes. <i>Physical Review B</i> , 2000 , 61, 7734-7742	3.3	61
103	Resonant Raman spectroscopy and spectroelectrochemistry characterization of carbon nanotubes/polyaniline thin film obtained through interfacial polymerization. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 1094-1100	2.3	60
102	Temperature effects on the vibronic spectra of BEHBPV conjugated polymer films. <i>Journal of Chemical Physics</i> , 2003 , 119, 9777-9782	3.9	59
101	Characterization of DNA-wrapped carbon nanotubes by resonance Raman and optical absorption spectroscopies. <i>Chemical Physics Letters</i> , 2007 , 439, 138-142	2.5	58
100	The anomalous dispersion of the disorder-induced and the second-order Raman Bands in Carbon Nanotubes. <i>Brazilian Journal of Physics</i> , 2000 , 30, 423-427	1.2	58
99	Graphene Moiré patterns observed by umklapp double-resonance Raman scattering. <i>Physical Review B</i> , 2011 , 84,	3.3	56
98	One-dimensional character of combination modes in the resonance Raman scattering of carbon nanotubes. <i>Physical Review Letters</i> , 2004 , 93, 087401	7.4	55
97	High-temperature phase transitions in LiKSO4. <i>Physical Review B</i> , 1989 , 39, 3361-3368	3.3	54
96	Edge phonons in black phosphorus. <i>Nature Communications</i> , 2016 , 7, 12191	17.4	54
95	Phonon trigonal warping effect in graphite and carbon nanotubes. <i>Physical Review Letters</i> , 2003 , 90, 027403	7.4	52

94	Steplike dispersion of the intermediate-frequency Raman modes in semiconducting and metallic carbon nanotubes. <i>Physical Review B</i> , 2005 , 72,	3.3	49
93	Carbon nanotube population analysis from Raman and photoluminescence intensities. <i>Applied Physics Letters</i> , 2006 , 88, 023109	3.4	46
92	Two-Phonon Combination Raman Modes in Covalently Functionalized Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13150-13155	3.8	45
91	Single- and double-resonance Raman G-band processes in carbon nanotubes. <i>Physical Review B</i> , 2004 , 69,	3.3	45
90	Strain Engineering and Raman Spectroscopy of Monolayer Transition Metal Dichalcogenides. <i>Chemistry of Materials</i> , 2018 , 30, 5148-5155	9.6	43
89	Resonance Raman study of polyynes encapsulated in single-wall carbon nanotubes. <i>Physical Review B</i> , 2007 , 76,	3.3	43
88	Effect of quantized electronic states on the dispersive Raman features in individual single-wall carbon nanotubes. <i>Physical Review B</i> , 2001 , 65,	3.3	43
87	Optical properties of Bi ₁₂ SiO ₂₀ (BSO) and Bi ₁₂ TiO ₂₀ (BTO) obtained by mechanical alloying. <i>Journal of Materials Science</i> , 2001 , 36, 587-592	4.3	36
86	Study of Correlations between Microstructure and Conductivity in a Thermoplastic Polyurethane Electrolyte. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 7102-7110	3.4	34
85	Micro-Raman investigation of aligned single-wall carbon nanotubes. <i>Physical Review B</i> , 2001 , 63,	3.3	33
84	High-pressure Raman spectra of L-threonine crystal. <i>Journal of Raman Spectroscopy</i> , 2000 , 31, 519-522	2.3	33
83	Thermal enhancement of chemical doping in graphene: a Raman spectroscopy study. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 334202	1.8	32
82	The Kataura plot over broad energy and diameter ranges. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3117-3121	1.3	31
81	Raman scattering study of RETiTaO ₆ dielectric ceramics. <i>Journal of the European Ceramic Society</i> , 2003 , 23, 2661-2666	6	30
80	Charge transfer and screening effects in polyynes encapsulated inside single-wall carbon nanotubes. <i>Physical Review B</i> , 2009 , 80,	3.3	29
79	Observation of the Kohn anomaly near the K point of bilayer graphene. <i>Physical Review B</i> , 2009 , 80,	3.3	28
78	Raman Scattering in Fullerenes and Related Carbon-Based Materials. <i>Springer Series in Materials Science</i> , 2000 , 314-364	0.9	28
77	Resonant Raman spectroscopy on enriched ¹³ C carbon nanotubes. <i>Carbon</i> , 2011 , 49, 4719-4723	10.4	24

76	Origin of van Hove singularities in twisted bilayer graphene. <i>Carbon</i> , 2015 , 90, 138-145	10.4	23
75	The two peaks G? band in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2197-2200	3.3	23
74	Low-temperature sequence of phase transitions in LiKSO ₄ studied by EPR. <i>Physical Review B</i> , 1992 , 45, 5163-5170	3.3	23
73	Optical studies of carbon nanotubes and nanographites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007 , 37, 88-92	3	22
72	Analysis of LiKSO ₄ crystals in the temperature range from 573 to 943 K. <i>Acta Crystallographica Section B: Structural Science</i> , 2000 , 56, 607-17		22
71	Nonlinear Dark-Field Imaging of One-Dimensional Defects in Monolayer Dichalcogenides. <i>Nano Letters</i> , 2020 , 20, 284-291	11.5	21
70	The influence of oxygen-containing functional groups on the dispersion of single-walled carbon nanotubes in amide solvents. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 334222	1.8	20
69	OH/F substitution in topaz studied by Raman spectroscopy. <i>Physical Review B</i> , 2002 , 65,	3.3	20
68	First and Second-Order Resonance Raman Process in Graphite and Single Wall Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, 4878-4882	1.4	20
67	Strain-induced D band observed in carbon nanotubes. <i>Nano Research</i> , 2012 , 5, 854-862	10	19
66	Tunable Raman spectroscopy study of CVD and peapod-derived bundled and individual double-wall carbon nanotubes. <i>Physical Review B</i> , 2010 , 82,	3.3	19
65	Influence of thermal treatment on the Raman, infrared and TL responses of natural topaz. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 191, 230-235	1.2	19
64	Basal-plane incommensurate phases in hexagonal-close-packed structures. <i>Physical Review B</i> , 1998 , 57, 5086-5092	3.3	19
63	Resonance Raman spectroscopy in twisted bilayer graphene. <i>Solid State Communications</i> , 2013 , 175-176, 13-17	1.6	18
62	Characterizing intrinsic charges in top gated bilayer graphene device by Raman spectroscopy. <i>Carbon</i> , 2012 , 50, 3435-3439	10.4	18
61	Characterization of commercial double-walled carbon nanotube material: composition, structure, and heat capacity. <i>Journal of Materials Science</i> , 2009 , 44, 3498-3503	4.3	18
60	Boron, nitrogen and phosphorous substitutionally doped single-wall carbon nanotubes studied by resonance Raman spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2432-2435	1.3	18
59	X-ray study of the ferroelastic incommensurate phase of LiKSO ₄ under uniaxial pressure. <i>Physical Review B</i> , 1996 , 54, 11869-11872	3.3	18

58	Raman excitation profile of the G band in single-chirality carbon nanotubes. <i>Physical Review B</i> , 2014 , 89,	3.3	16
57	Electronic properties of bilayer graphene probed by Resonance Raman Scattering. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 2060-2063	1.3	16
56	Advances in single nanotube spectroscopy: Raman spectra from cross-polarized light and chirality dependence of Raman frequencies. <i>Carbon</i> , 2004 , 42, 1067-1069	10.4	15
55	Probing carbon isotope effects on the Raman spectra of graphene with different C13 concentrations. <i>Physical Review B</i> , 2015 , 92,	3.3	14
54	Phase separation, fluid mixing, and origin of the greisens and potassic episyenite associated with the Gua Boa pluton, Pitinga tin province, Amazonian Craton, Brazil. <i>Journal of South American Earth Sciences</i> , 2009 , 27, 161-183	2	14
53	Twisted bilayer graphene photoluminescence emission peaks at van Hove singularities. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 175302	1.8	13
52	The effects of salt concentration on cation complexation in triblock-polyether electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 2424	3.6	13
51	High-temperature phase transitions in incommensurate Rb ₂ WO ₄ . <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 9307-9315	1.8	13
50	Structural Analysis of Cs ₂ HgBr ₄ in Normal, Incommensurate and Twinned Phases. <i>Acta Crystallographica Section B: Structural Science</i> , 1998 , 54, 197-203		12
49	Anomalous behavior of the internal stretching modes above and below the incommensurate phase transition of Cs ₂ HgBr ₄ . <i>Physical Review B</i> , 1998 , 57, 203-210	3.3	12
48	Temperature dependence of the double-resonance Raman bands in monolayer MoS ₂ . <i>Journal of Raman Spectroscopy</i> , 2019 , 50, 1867-1874	2.3	11
47	Dielectric screening in polyynes encapsulated inside double-wall carbon nanotubes. <i>Physical Review B</i> , 2011 , 83,	3.3	11
46	The double-resonance Raman spectra in single-chirality (n, m) carbon nanotubes. <i>Carbon</i> , 2017 , 117, 41-45	10.4	10
45	Edge phonons in layered orthorhombic GeS and GeSe monochalcogenides. <i>Physical Review B</i> , 2019 , 100,	3.3	10
44	Resonance Raman spectroscopy in semiconducting transition-metal dichalcogenides: basic properties and perspectives. <i>2D Materials</i> , 2020 , 7, 042001	5.9	10
43	Rapid fabrication of bilayer graphene devices using direct laser writing photolithography. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011 , 29, 021204	1.3	10
42	Study of the overtones and combination bands in the Raman spectra of polyparaphenylene-based carbons. <i>Journal of Materials Research</i> , 1999 , 14, 3447-3454	2.5	10
41	Controlled growth and positioning of metal nanoparticles via scanning probe microscopy. <i>Langmuir</i> , 2009 , 25, 3356-8	4	9

40	Resonant Raman study of polyparaphenylene-based carbons. <i>Journal of Materials Research</i> , 1999 , 14, 1124-1131	2.5	9
39	Dramatic increase in the Raman signal of functional groups on carbon nanotube surfaces. <i>Carbon</i> , 2013 , 56, 235-242	10.4	8
38	Raman Excitation Profile of the G-band Enhancement in Twisted Bilayer Graphene. <i>Brazilian Journal of Physics</i> , 2017 , 47, 589-593	1.2	8
37	Thermoplastic Polyurethane Nanocomposites Produced via Impregnation of Long Carbon Nanotube Forests. <i>Macromolecular Materials and Engineering</i> , 2011 , 296, 53-58	3.9	8
36	Investigation of the electronic nonlinear refraction index of single-wall carbon nanotubes wrapped with different surfactants. <i>Optical Materials Express</i> , 2012 , 2, 749	2.6	8
35	Isotopic ¹³ C/ ¹² C effect on the resonant Raman spectrum of twisted bilayer graphene. <i>Physical Review B</i> , 2013 , 88,	3.3	7
34	Decarboxylation of oxidized single-wall carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3421-30	1.3	7
33	Raman scattering study of the orthorhombic-to-tetragonal phase transition of a Li ₃ ThF ₇ crystal. <i>Physical Review B</i> , 1999 , 60, 9983-9989	3.3	7
32	Suppression of the commensurate charge density wave phase in ultrathin 1T-TaS ₂ evidenced by Raman hyperspectral analysis. <i>Physical Review B</i> , 2019 , 100,	3.3	6
31	Rao et al. reply.. <i>Physical Review Letters</i> , 2000 , 85, 3545	7.4	6
30	Single-wall carbon nanotube interactions with copper-oxamate building block of molecule-based magnets probed by resonance Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 1951-1956	2.3	5
29	Raman study of crystals. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 7903-7912	1.8	5
28	Cation environment in polyether complexes based on poly(tetramethylene glycol) doped with zinc and cobalt chlorides. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001 , 39, 2572-2580	2.6	5
27	Experimental evidence for the high-temperature incommensurate structure in LiKSO ₄ . <i>Physical Review B</i> , 2002 , 66,	3.3	5
26	Atomic size-limited intercalation into single wall carbon nanotubes. <i>Nanotechnology</i> , 2007 , 18, 435705	3.4	4
25	Resonance Raman spectroscopy in one-dimensional carbon materials. <i>Anais Da Academia Brasileira De Ciencias</i> , 2006 , 78, 423-39	1.4	4
24	Resonance Raman scattering: nondestructive and noninvasive technique for structural and electronic characterization of isolated single-wall carbon nanotubes. <i>Brazilian Journal of Physics</i> , 2002 , 32, 921-924	1.2	4
23	Infrared study of the low-temperature phase transitions in incommensurate Cs ₂ HgBr ₄ . <i>Physical Review B</i> , 1999 , 59, 11251-11256	3.3	4

22	History and National Initiatives of Carbon Nanotube and Graphene Research in Brazil. <i>Brazilian Journal of Physics</i> , 2019 , 49, 288-300	1.2	4
21	Origin of the complex Raman tensor elements in single-layer triclinic ReSe2. <i>2D Materials</i> , 2021 , 8, 025002	3.9	3
20	Probing combinations of acoustic phonons in MoS2 by intervalley double-resonance Raman scattering. <i>Physical Review B</i> , 2021 , 103,	3.3	3
19	Agglomeration defects on irradiated carbon nanotubes. <i>AIP Advances</i> , 2012 , 2, 012174	1.5	2
18	The fundamental aspects of carbon nanotube metrology. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 4011-4015	1.3	2
17	Multiple excitations and temperature study of the disorder-induced Raman bands in MoS2. <i>2D Materials</i> , 2021 , 8, 035042	5.9	2
16	Resonant Raman scattering of anthracene-based carbons in the secondary carbonization stage. <i>Journal of Raman Spectroscopy</i> , 2021 , 52, 670-677	2.3	2
15	Enhanced hot luminescence at van Hove singularities in twisted bilayer graphene 2017 ,		1
14	Sorting of single-walled carbon nanotubes by amphiphiles molecules adsorption studied by resonant Raman excitation profile. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2444-2447	1.3	1
13	Characterization of Polyparaphenylene Subjected to Different Heat Treatment Temperatures. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 488, 515		1
12	Trigonal Anisotropy in Graphite and Carbon Nanotubes. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 455, 287-294	0.5	1
11	Polar domain walls and orientational disorder in incommensurate Cs2HgBr4. <i>Ferroelectrics</i> , 1999 , 221, 79-84	0.6	1
10	Multiple-excitation study of the double-resonance Raman bands in rhombohedral graphite. <i>Carbon</i> , 2021 , 179, 683-691	10.4	1
9	Resonance Raman enhancement by the intralayer and interlayer electron-phonon processes in twisted bilayer graphene. <i>Scientific Reports</i> , 2021 , 11, 17206	4.9	1
8	Raman Spectroscopy of Twisted Bilayer Graphene. <i>Journal of Carbon Research</i> , 2021 , 7, 10	3.3	1
7	PHOTOLUMINESCENCE AND PHOTOLUMINESCENCE EXCITATION SPECTROSCOPY OF SEMICONDUCTING SINGLE WALL CARBON NANOTUBES. <i>International Journal of Modern Physics B</i> , 2009 , 23, 2676-2677	1.1	
6	Structural and Dynamical Aspects of Structural Phase Transitions on Incommensurate A2BX4 compounds. <i>Ferroelectrics</i> , 2004 , 305, 75-78	0.6	
5	Resonance Raman Spectroscopy to Study and Characterize Defects on Carbon Nanotubes and other Nano-Graphite Systems. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 858, 1		

- 4 High temperature structures of LiKSO₄ crystals: normal and incommensurate phases. *Zeitschrift Fur Kristallographie - Crystalline Materials*, **2004**, 219, 737-741 1
- 3 Anisotropy in the Phonon Dispersion Relations of Graphite and Carbon Nanotubes Measured by Raman Spectroscopy. *Materials Research Society Symposia Proceedings*, **2002**, 737, 652
- 2 G-band Raman Spectra of Isolated Single Wal Carbon Nanotubes: Diameter and Chiraity Dependence. *Materials Research Society Symposia Proceedings*, **2001**, 706, 1
- 1 Resonant Raman Characterization of Polyparaphenylene Based Carbon Materials. *Materials Research Society Symposia Proceedings*, **1998**, 548, 15