Nuno M R Peres

List of Publications by Year
in descending order

195 papers	49,044 citations	23567 58 h-index	3034 188 g-index
201 all docs	201 docs citations	201 times ranked	34954 citing authors

#	Article	IF	Citations
1	The electronic properties of graphene. Reviews of Modern Physics, 2009, 81, 109-162.	45.6	20,779
2	Fine Structure Constant Defines Visual Transparency of Graphene. Science, 2008, 320, 1308-1308.	12.6	7,667
3	Field-Effect Tunneling Transistor Based on Vertical Graphene Heterostructures. Science, 2012, 335, 947-950.	12.6	2,268
4	Biased Bilayer Graphene: Semiconductor with a Gap Tunable by the Electric Field Effect. Physical Review Letters, 2007, 99, 216802.	7.8	1,728
5	Electronic properties of disordered two-dimensional carbon. Physical Review B, 2006, 73, .	3.2	1,292
6	Graphene Bilayer with a Twist: Electronic Structure. Physical Review Letters, 2007, 99, 256802.	7.8	1,165
7	Tight-binding approach to uniaxial strain in graphene. Physical Review B, 2009, 80, .	3.2	1,094
8	Colloquium: The transport properties of graphene: An introduction. Reviews of Modern Physics, 2010, 82, 2673-2700.	45.6	884
9	Optical conductivity of graphene in the visible region of the spectrum. Physical Review B, 2008, 78, .	3.2	728
10	Electron Tunneling through Ultrathin Boron Nitride Crystalline Barriers. Nano Letters, 2012, 12, 1707-1710.	9.1	724
11	Electronic states and Landau levels in graphene stacks. Physical Review B, 2006, 73, .	3.2	591
12	Disorder Induced Localized States in Graphene. Physical Review Letters, 2006, 96, 036801.	7.8	543
13	Electronic transport in graphene: A semiclassical approach including midgap states. Physical Review B, 2007, 76, .	3.2	515
14	Continuum model of the twisted graphene bilayer. Physical Review B, 2012, 86, .	3.2	463
15	A PRIMER ON SURFACE PLASMON-POLARITONS IN GRAPHENE. International Journal of Modern Physics B, 2013, 27, 1341001.	2.0	325
16	Conductance quantization in mesoscopic graphene. Physical Review B, 2006, 73, .	3.2	320
17	Electronic Properties of Graphene Multilayers. Physical Review Letters, 2006, 97, 266801.	7.8	264
18	Electronic properties of bilayer and multilayer graphene. Physical Review B, 2008, 78, .	3.2	259

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19	Probing the ultimate plasmon confinement limits with a van der Waals heterostructure. Science, 2018, 360, 291-295.	12.6	259
20	Localized Magnetic States in Graphene. Physical Review Letters, 2008, 101, 026805.	7.8	233
21	Electronic properties of a biased graphene bilayer. Journal of Physics Condensed Matter, 2010, 22, 175503.	1.8	209
22	Coulomb interactions and ferromagnetism in pure and doped graphene. Physical Review B, 2005, 72, .	3.2	207
23	Electron-electron interactions and the phase diagram of a graphene bilayer. Physical Review B, 2006, 73, .	3.2	200
24	Strained graphene: tight-binding and density functional calculations. New Journal of Physics, 2009, 11, 115002.	2.9	197
25	Edge and surface states in the quantum Hall effect in graphene. Physical Review B, 2006, 73, .	3.2	164
26	Unified description of the dc conductivity of monolayer and bilayer graphene at finite densities based on resonant scatterers. Physical Review B, 2011, 83, .	3.2	152
27	Stability of boron nitride bilayers: Ground-state energies, interlayer distances, and tight-binding description. Physical Review B, 2011, 83, .	3.2	151
28	Graphene-based photodetector with two cavities. Physical Review B, 2012, 85, .	3.2	142
29	Dirac fermion confinement in graphene. Physical Review B, 2006, 73, .	3.2	137
30	Localized States at Zigzag Edges of Bilayer Graphene. Physical Review Letters, 2008, 100, 026802.	7.8	136
31	Optical bistability of graphene in the terahertz range. Physical Review B, 2014, 90, .	3.2	133
32	Transmission through a biased graphene bilayer barrier. Physical Review B, 2007, 76, .	3.2	125
33	Faraday effect in graphene enclosed in an optical cavity and the equation of motion method for the study of magneto-optical transport in solids. Physical Review B, 2011, 84, .	3.2	125
34	Low-Density Ferromagnetism in Biased Bilayer Graphene. Physical Review Letters, 2008, 100, 186803.	7.8	124
35	Inducing energy gaps in monolayer and bilayer graphene: Local density approximation calculations. Physical Review B, 2008, 78, .	3.2	117
36	Far-field excitation of single graphene plasmon cavities with ultracompressed mode volumes. Science, 2020, 368, 1219-1223.	12.6	114

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37	Optical properties of strained graphene. Europhysics Letters, 2010, 92, 67001.	2.0	112
38	Phase diagram and magnetic collective excitations of the Hubbard model for graphene sheets and layers. Physical Review B, 2004, 70, .	3.2	110
39	Phenomenological study of the electronic transport coefficients of graphene. Physical Review B, 2007, 76, .	3.2	109
40	Mechanism for graphene-based optoelectronic switches by tuning surface plasmon-polaritons in monolayer graphene. Europhysics Letters, 2010, 92, 68001.	2.0	109
41	Conductivity of suspended and non-suspended graphene at finite gate voltage. Physical Review B, 2008, 78, .	3.2	105
42	Theory of Scanning Tunneling Spectroscopy of Magnetic Adatoms in Graphene. Physical Review Letters, 2009, 103, 206804.	7.8	89
43	Dynamical polarizability of graphene beyond the Dirac cone approximation. Physical Review B, 2010, 81, .	3.2	89
44	Observation of intra- and inter-band transitions in the transient optical response of graphene. New Journal of Physics, 2013, 15, 015009.	2.9	87
45	Quantum Nanophotonics in Two-Dimensional Materials. ACS Photonics, 2021, 8, 85-101.	6.6	83
46	The transport properties of graphene. Journal of Physics Condensed Matter, 2009, 21, 323201.	1.8	81
47	Tunable graphene-based polarizer. Journal of Applied Physics, 2012, 112, 084320.	2.5	81
48	Complete light absorption in graphene-metamaterial corrugated structures. Physical Review B, 2012, 86, .	3.2	80
49	Unusual reflection of electromagnetic radiation from a stack of graphene layers at oblique incidence. Journal of Optics (United Kingdom), 2013, 15, 114004.	2.2	79
50	Algebraic solution of a graphene layer in transverse electric and perpendicular magnetic fields. Journal of Physics Condensed Matter, 2007, 19, 406231.	1.8	73
51	Gauge covariances and nonlinear optical responses. Physical Review B, 2017, 96, .	3.2	73
52	Electron waves in chemically substituted graphene. Europhysics Letters, 2007, 80, 67007.	2.0	71
53	Fermi liquid theory of a Fermi ring. Physical Review B, 2007, 75, .	3.2	69
54	Effect of Holstein phonons on the electronic properties of graphene. Journal of Physics Condensed Matter, 2008, 20, 055002.	1.8	69

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55	Nonlinear TE-polarized surface polaritons on graphene. Physical Review B, 2014, 89, .	3.2	68
56	Excitonic Effects in the Optical Conductivity of Gated Graphene. Physical Review Letters, 2010, 105, 055501.	7.8	67
57	Zigzag graphene nanoribbon edge reconstruction with Stone-Wales defects. Physical Review B, 2011, 84, .	3.2	65
58	Transport properties of graphene with one-dimensional charge defects. Europhysics Letters, 2011, 94, 28003.	2.0	63
59	Scattering in one-dimensional heterostructures described by the Dirac equation. Journal of Physics Condensed Matter, 2009, 21, 095501.	1.8	61
60	Graphene-based polaritonic crystal. Physical Review B, 2012, 85, .	3.2	61
61	Excitons in hexagonal boron nitride single-layer: a new platform for polaritonics in the ultraviolet. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 674.	2.1	58
62	The infrared conductivity of graphene on top of silicon oxide. Europhysics Letters, 2008, 84, 38002.	2.0	54
63	Confined magneto-optical waves in graphene. Physical Review B, 2012, 85, .	3.2	54
64	Site dilution of quantum spins in the honeycomb lattice. Physical Review B, 2006, 73, .	3.2	53
65	Coulomb drag and high-resistivity behavior in double-layer graphene. Europhysics Letters, 2011, 95, 18001.	2.0	51
66	Active magneto-optical control of spontaneous emission in graphene. Physical Review B, 2015, 92, .	3.2	50
67	Nonlinear optical responses of crystalline systems: Results from a velocity gauge analysis. Physical Review B, 2018, 97, .	3.2	50
68	Near-Unity Light Absorption in a Monolayer WS₂ Van der Waals Heterostructure Cavity. Nano Letters, 2020, 20, 3545-3552.	9.1	48
69	Spin-wave dispersion inLa2CuO4. Physical Review B, 2002, 65, .	3.2	45
70	Excitonic effects in the optical properties of 2D materials:an equation of motion approach. 2D Materials, 2017, 4, 025086.	4.4	45
71	Topological magnons in CrI₃ monolayers: an itinerant fermion description. 2D Materials, 2020, 7, 045031.	4.4	45
72	Enhancing the absorption of graphene in the terahertz range. Europhysics Letters, 2013, 101, 58002.	2.0	44

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73	Probing nonlocal effects in metals with graphene plasmons. Physical Review B, 2018, 97, .	3.2	44
74	Magnetism in strained graphene dots. Physical Review B, 2009, 80, .	3.2	41
75	Graphene field-effect transistor array with integrated electrolytic gates scaled to 200 mm. Journal of Physics Condensed Matter, 2016, 28, 085302.	1.8	40
76	TRANSPORT IN A CLEAN GRAPHENE SHEET AT FINITE TEMPERATURE AND FREQUENCY. International Journal of Modern Physics B, 2008, 22, 2529-2536.	2.0	37
77	Dirac electrons in graphene-based quantum wires and quantum dots. Journal of Physics Condensed Matter, 2009, 21, 344202.	1.8	37
78	Exciton polaritons in two-dimensional dichalcogenide layers placed in a planar microcavity: Tunable interaction between two Bose-Einstein condensates. Physical Review B, 2015, 92, .	3.2	36
79	Strain-induced edge magnetism at the zigzag edge of a graphene quantum dot. Physical Review B, 2015, 91, .	3.2	35
80	Tunneling of Dirac electrons through spatial regions of finite mass. Journal of Physics Condensed Matter, 2008, 20, 325221.	1.8	34
81	FOCUS ON GRAPHENE. New Journal of Physics, 2009, 11, 095002.	2.9	34
82	Exact solution for square-wave grating covered with graphene: surface plasmon-polaritons in the terahertz range. Journal of Physics Condensed Matter, 2013, 25, 125303.	1.8	33
83	Hybridized Plasmons in 2D Nanoslits: From Graphene to Anisotropic 2D Materials. ACS Photonics, 2017, 4, 3045-3054.	6.6	33
84	Finite-temperature transport in finite-size Hubbard rings in the strong-coupling limit. Physical Review B, 2000, 61, 5169-5183.	3.2	32
85	Discrete solitons in graphene metamaterials. Physical Review B, 2015, 91, .	3.2	32
86	Highly confined in-plane propagating exciton-polaritons on monolayer semiconductors. 2D Materials, 2020, 7, 035031.	4.4	32
87	Electronic transport across linear defects in graphene. Physical Review B, 2015, 92, .	3.2	31
88	Local density of states and scanning tunneling currents in graphene. New Journal of Physics, 2009, 11, 095007.	2.9	30
89	On Coulomb drag in double layer systems. Journal of Physics Condensed Matter, 2012, 24, 335602.	1.8	30
90	Electronic doping of graphene by deposited transition metal atoms. Physical Review B, 2011, 84, .	3.2	29

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91	Topological photonic Tamm states and the Su-Schrieffer-Heeger model. Physical Review A, 2020, 101, .	2.5	29
92	Bilayer graphene: gap tunability and edge properties. Journal of Physics: Conference Series, 2008, 129, 012002.	0.4	28
93	Optical absorption of single-layer hexagonal boron nitride in the ultraviolet. Journal of Physics Condensed Matter, 2020, 32, 025304.	1.8	28
94	Quantum surface-response of metals revealed by acoustic graphene plasmons. Nature Communications, 2021, 12, 3271.	12.8	27
95	Curvature of levels and charge stiffness of one-dimensional spinless fermions. Physical Review B, 1999, 59, 7382-7392.	3.2	26
96	Finite-Frequency Optical Absorption in 1D Conductors and Mott-Hubbard Insulators. Physical Review Letters, 2000, 84, 4673-4676.	7.8	26
97	Graphene Plasmons in Triangular Wedges and Grooves. ACS Photonics, 2016, 3, 2176-2183.	6.6	26
98	Gaped graphene bilayer: disorder and magnetic field effects. Physica Status Solidi (B): Basic Research, 2007, 244, 2311-2316.	1.5	25
99	Localized states at zigzag edges of multilayer graphene and graphite steps. Europhysics Letters, 2008, 84, 17001.	2.0	25
100	Scanning tunneling microscopy currents on locally disordered graphene. Physical Review B, 2009, 79, .	3.2	24
101	Solution of the quantum harmonic oscillator plus a delta-function potential at the origin: the oddness of its even-parity solutions. European Journal of Physics, 2011, 32, 1377-1384.	0.6	24
102	Hydrodynamic model approach to the formation of plasmonic wakes in graphene. Physical Review B, 2017, 96, .	3.2	24
103	Excitonic magneto-optical Kerr effect in two-dimensional transition metal dichalcogenides induced by spin proximity. Physical Review B, 2020, 101, .	3.2	24
104	Modeling the excitation of graphene plasmons in periodic grids of graphene ribbons: An analytical approach. Physical Review B, 2016, 94, .	3.2	23
105	Scattering by linear defects in graphene: A continuum approach. Physical Review B, 2012, 86, .	3.2	22
106	Magneto-optical Kerr effect in spin split two-dimensional massive Dirac materials. 2D Materials, 2020, 7, 025011.	4.4	21
107	Light scattering by a medium with a spatially modulated optical conductivity: the case of graphene. Journal of Physics Condensed Matter, 2012, 24, 245303.	1.8	20
108	Electrically tunable resonant scattering in fluorinated bilayer graphene. Physical Review B, 2015, 92, .	3.2	20

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109	Quantization of graphene plasmons. Physical Review A, 2020, 101, .	2.5	20
110	Pseudoparticle description of the 1D Hubbard model electronic transport properties. Zeitschrift FÃ¼r Physik B-Condensed Matter, 1996, 103, 217-220.	1.1	18
111	Enhanced optical dichroism of graphene nanoribbons. Physical Review B, 2012, 86, .	3.2	18
112	Scattering of graphene plasmons at abrupt interfaces: An analytic and numeric study. Physical Review B, 2018, 97, .	3.2	18
113	Optical orientation with linearly polarized light in transition metal dichalcogenides. Physical Review B, 2019, 99, .	3.2	18
114	Excitons in phosphorene: A semi-analytical perturbative approach. Physical Review B, 2020, 101, .	3.2	16
115	Superconductivity in theSU(N)Anderson lattice atU=âˆž. Physical Review B, 2000, 62, 9800-9807.	3.2	15
116	Numerical calculation of the Casimir-Polder interaction between a graphene sheet with vacancies and an atom. Physical Review B, 2016, 94, .	3.2	15
117	Understanding the Electromagnetic Response of Graphene/Metallic Nanostructures Hybrids of Different Dimensionality. ACS Photonics, 2020, 7, 2302-2308.	6.6	15
118	Topological Graphene Plasmons in a Plasmonic Realization of the Suâ€“Schriefferâ€“Heeger Model. ACS Photonics, 2021, 8, 1817-1823.	6.6	15
119	Comment on â€œGapless Spin-1 Neutral Collective Mode Branch for Graphiteâ€• Physical Review Letters, 2004, 92, 199701; author reply 199702.	7.8	14
120	Orbital symmetry fingerprints for magnetic adatoms in graphene. New Journal of Physics, 2014, 16, 013045.	2.9	14
121	Controlling Spoof Plasmons in a Metal Grating Using Graphene Surface Plasmons. ACS Photonics, 2017, 4, 3071-3080.	6.6	14
122	Complete pseudohole and heavy-pseudoparticle operator representation for the Hubbard chain. Physical Review B, 1997, 56, 3717-3741.	3.2	13
123	Local-moment formation in the periodic Anderson model with superconducting correlations. Physical Review B, 2001, 65, .	3.2	13
124	Multiple negative differential conductance regions and inelastic phonon assisted tunneling in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mtext>graphene</mml:mtext><mml:mo>/</mml:mo><mml:mi>h</mml:mi Physical Review B, 2016, 93, .	3.2	13
125	Universal description of channel plasmons in two-dimensional materials. Optica, 2017, 4, 595.	9.3	13
126	Hybrid plasmon-magnon polaritons in graphene-antiferromagnet heterostructures. 2D Materials, 2019, 6, 045003.	4.4	13

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127	Monolayer transition metal dichalcogenides in strong magnetic fields: Validating the Wannier model using a microscopic calculation. Physical Review B, 2019, 99, .	3.2	13
128	Renormalization of nanoparticle polarizability in the vicinity of a graphene-covered interface. Physical Review B, 2014, 90, .	3.2	12
129	Impact of Graphene on the Polarizability of a Neighbour Nanoparticle: A Dyadic Greenâ€™s Function Study. Applied Sciences (Switzerland), 2017, 7, 1158.	2.5	12
130	Nonreciprocal magnons in a two-dimensional crystal with out-of-plane magnetization. Physical Review B, 2020, 102, .	3.2	12
131	Spin waves in La2CuO4: band structure and correlation effects. Physica Status Solidi (B): Basic Research, 2003, 236, 523-526.	1.5	11
132	Distortion of the perfect lattice structure in bilayer graphene. Physical Review B, 2009, 79, .	3.2	11
133	Scattering by linear defects in graphene: a tight-binding approach. Journal of Physics Condensed Matter, 2013, 25, 075303.	1.8	11
134	Optical conductivity of ABA stacked graphene trilayer: mid-IR resonance due to band nesting. Journal of Physics Condensed Matter, 2014, 26, 395301.	1.8	11
135	Terahertz response of patterned epitaxial graphene. New Journal of Physics, 2015, 17, 053045.	2.9	11
136	Lattice Greenâ€™s function approach to the solution of the spectrum of an array of quantum dots and its linear conductance. Physical Review B, 2009, 79, .	3.2	10
137	Strong lightâ€“matter interaction in systems described by a modified Dirac equation. Journal of Physics Condensed Matter, 2013, 25, 305801.	1.8	10
138	Scattering of surface plasmon polaritons in a graphene multilayer photonic crystal with inhomogeneous doping. Physical Review B, 2016, 93, .	3.2	10
139	Anisotropic Stark shift, field-induced dissociation, and electroabsorption of excitons in phosphorene. Physical Review B, 2020, 102, .	3.2	10
140	A colloquium on the variational method applied to excitons in 2D materials. European Physical Journal B, 2020, 93, 1.	1.5	10
141	Harnessing ultraconfined graphene plasmons to probe the electrodynamics of superconductors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
142	Theoretical Methods for Excitonic Physics in 2D Materials. Physica Status Solidi (B): Basic Research, 2022, 259, .	1.5	10
143	Weak ferromagnetism and spiral spin structures in honeycomb Hubbard planes. Journal of Physics Condensed Matter, 2006, 18, 1769-1779.	1.8	9
144	Charge and spin transport in the one-dimensional Hubbard model. Journal of Physics Condensed Matter, 2007, 19, 506203.	1.8	9

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145	Transmission through a defect in polyacene: the extreme limit of ultranarrow graphene. Journal of Physics Condensed Matter, 2008, 20, 255207.	1.8	9
146	Anderson localization of light in disordered superlattices containing graphene layers. Physical Review B, 2015, 92, .	3.2	9
147	Absorption and optical selection rules of tunable excitons in biased bilayer graphene. Physical Review B, 2022, 105, .	3.2	9
148	Specific heat of the periodic Anderson model: From weak to strong coupling. Physical Review B, 2001, 64, .	3.2	8
149	Cloaking resonant scatterers and tuning electron flow in graphene. Physical Review B, 2015, 91, .	3.2	8
150	Excitonâ€“polaritons of a 2D semiconductor layer in a cylindrical microcavity. Journal of Applied Physics, 2020, 127, 133101.	2.5	8
151	Calculation of the nonlinear response functions of intraexciton transitions in two-dimensional transition metal dichalcogenides. Physical Review B, 2021, 103, .	3.2	8
152	Analytical description of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>1</mml:mn><mml:mi>s</mml:mi></mml:math> exciton linewidth temperature dependence in transition metal dichalcogenides. Physical Review B, 2021, 103, .	3.2	8
153	Excitation of localized graphene plasmons by a metallic slit. Physical Review B, 2020, 101, .	3.2	7
154	First-order ferromagnetic phase transition in the low electronic density regime of a biased graphene bilayer. Journal of Physics Condensed Matter, 2008, 20, 335207.	1.8	6
155	Publisherâ€™s Note: Localized Magnetic States in Graphene [Phys. Rev. Lett.101, 026805 (2008)]. Physical Review Letters, 2008, 101, .	7.8	6
156	Evolution of squeezed states under the Fock-Darwin Hamiltonian. Physical Review A, 2009, 80, .	2.5	6
157	Propagation of surface plasmons on plasmonic Bragg gratings. Journal of Applied Physics, 2019, 125, .	2.5	6
158	Theoretical model of the polarizability due to transitions between exciton states in transition metal dichalcogenides: application to WSe₂. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2065.	2.1	6
159	Excitonic response of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>AA</mml:mi></mml:mrow><mml:mo>â€²	3.2	6
	and AB stacked hBN bilayers. Physical Review B, 2022, 105, .		
160	Pumping electrons in graphene to theMpoint in the Brillouin zone: Emergence of anisotropic plasmons. Physical Review B, 2016, 94, .	3.2	5
161	Magnetic field assisted transmission of THz waves through a graphene layer combined with a periodically perforated metallic film. Physical Review B, 2018, 97, .	3.2	5
162	Excitonic magneto-optics in monolayer transition metal dichalcogenides: From nanoribbons to two-dimensional response. Physical Review B, 2019, 100, .	3.2	5

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163	Analytical quantitative semiclassical approach to the Lo Surdoâ€“Stark effect and ionization in two-dimensional excitons. Physical Review B, 2020, 102, .	3.2	5
164	Exciton-polariton mediated interaction between two nitrogen-vacancy color centers in diamond using two-dimensional transition metal dichalcogenides. Physical Review B, 2021, 103, .	3.2	5
165	Ground states of integrable quantum liquids. Physical Review B, 1995, 51, 7481-7496.	3.2	4
166	Charge and spin transport in the one-dimensional Hubbard model. Journal of Physics Condensed Matter, 2001, 13, 5135-5157.	1.8	4
167	Magnetic and superconducting instabilities in the periodic Anderson model: a random-phase-approximation study. Journal of Physics Condensed Matter, 2002, 14, 5575-5582.	1.8	4
168	Tunable excitons in rhombohedral trilayer graphene. Physical Review B, 2022, 105, .	3.2	4
169	Spin flop transition in doped antiferromagnets. Journal of Physics Condensed Matter, 2003, 15, 7271-7286.	1.8	3
170	Role of symmetry in the interplay of T = 0 quantum-phase transitions with unconventional T > 0 transport properties in integrable quantum lattice systems. Europhysics Letters, 2007, 78, 17005.	2.0	3
171	Analytical solution of electronic transport through a benzene molecule using lattice Green's functions. Journal of Physics Condensed Matter, 2015, 27, 145301.	1.8	3
172	Perturbative approach to the polaron shift of excitons in transition metal dichalcogenides. Physical Review B, 2021, 103, .	3.2	3
173	Two-level systems coupled to Graphene plasmons: A Lindblad equation approach. International Journal of Modern Physics B, 2021, 35, 2130007.	2.0	3
174	Third-order polarizability of interlayer excitons in heterobilayers. Physical Review B, 2021, 104, .	3.2	3
175	Channel surface plasmons in a continuous and flat graphene sheet. Physical Review B, 2018, 97, .	3.2	2
176	Two-dimensional materials in the presence of nonplanar interfaces. Physical Review B, 2019, 99, .	3.2	2
177	The polarizability of a confined atomic system: an application of the Dalgarnoâ€“Lewis method. European Journal of Physics, 2021, 42, 045407.	0.6	2
178	Laser induced enhanced coupling between photons and squeezed magnons in antiferromagnets. Journal of Physics Condensed Matter, 2022, 34, 245802.	1.8	2
179	Symmetries and pseudoparticle transformations in 1D non-Abelian quantum liquids. Journal of Low Temperature Physics, 1995, 99, 571-576.	1.4	1
180	Publisher's Note: Conductivity of suspended and non-suspended graphene at finite gate voltage [Phys. Rev. B78, 085418 (2008)]. Physical Review B, 2008, 78, .	3.2	1

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181	Ionization rate and Stark shift of a one-dimensional model of the hydrogen molecular ion. European Journal of Physics, 2021, 42, 025403.	0.6	1
182	Localized polariton states in a photonic crystal intercalated by a transition metal dichalcogenide monolayer. Journal of the Optical Society of America B: Optical Physics, 2021, 38, C225.	2.1	1
183	Enhancing the hybridization of plasmons in graphene with 2D superconductor collective modes. Journal of Physics Condensed Matter, 2022, 34, 105304.	1.8	1
184	Theoretical Methods for Excitonic Physics in 2D Materials. Physica Status Solidi (B): Basic Research, 2022, 259, .	1.5	1
185	Solution of spherically symmetric quantum models by the transfer-matrix method. European Journal of Physics, 1997, 18, 369-373.	0.6	0
186	An introduction to the physics of graphene layers. , 2007, , 111-143.		0
187	Transport Through a Graphene Transistor. Mathematics in Industry, 2008, , 494-498.	0.3	0
188	Graphene-based nanostructures: Plasmonics in the THz range. , 2015, , .		0
189	Graphene and polarisable nanoparticles: Looking good together?. , 2016, , .		0
190	Fresnel polarisation of infra-red radiation by elemental bismuth. European Physical Journal B, 2020, 93, 1.	1.5	0
191	Surface-Plasmon-Polariton-Assisted Diffraction of THz Waves on a Graphene-Covered Slit. , 2020, , .		0
192	Exciton energies and wave functions in hexagonal boron nitride using Miller and Goodâ€™s uniform approach. European Physical Journal B, 2021, 94, 1.	1.5	0
193	Quantum Surface-Response of Metals Probed by Graphene Plasmons. , 2021, , .		0
194	Plasmonic response of a nanorod in the vicinity of a metallic surface: local approach with analytical solution. Journal of Optics (United Kingdom), 2021, 23, 085002.	2.2	0
195	Electromagnetic properties of a monolayer of polarisable particles deposited on graphene. , 2017, , .		0