Nuno M R Peres

List of Publications by Citations

184 papers	41,215 citations	55 h-index	201 g-index
201 ext. papers	45,705 ext. citations	4.4 avg, IF	7.6 L-index

#	Paper	IF	Citations
184	The electronic properties of graphene. *Reviews of Modern Physics*, **2009**, 81, 109-162	40.5	17608
183	Fine structure constant defines visual transparency of graphene. *Science*, **2008**, 320, 1308	33.3	6461
182	Field-effect tunneling transistor based on vertical graphene heterostructures. *Science*, **2012**, 335, 947-50	33.3	1991
181	Biased bilayer graphene: semiconductor with a gap tunable by the electric field effect. *Physical Review Letters*, **2007**, 99, 216802	7.4	1524
180	Electronic properties of disordered two-dimensional carbon. *Physical Review B*, **2006**, 73,	3.3	1190
179	Tight-binding approach to uniaxial strain in graphene. *Physical Review B*, **2009**, 80,	3.3	918
178	Graphene bilayer with a twist: electronic structure. *Physical Review Letters*, **2007**, 99, 256802	7.4	874
177	Colloquium: The transport properties of graphene: An introduction. *Reviews of Modern Physics*, **2010**, 82, 2673-2700	40.5	772
176	Optical conductivity of graphene in the visible region of the spectrum. *Physical Review B*, **2008**, 78,	3.3	606
175	Electron tunneling through ultrathin boron nitride crystalline barriers. *Nano Letters*, **2012**, 12, 1707-10	11.5	579
174	Electronic states and Landau levels in graphene stacks. *Physical Review B*, **2006**, 73,	3.3	525
173	Disorder induced localized States in graphene. *Physical Review Letters*, **2006**, 96, 036801	7.4	491
172	Electronic transport in graphene: A semiclassical approach including midgap states. *Physical Review B*, **2007**, 76,	3.3	442
171	Continuum model of the twisted graphene bilayer. *Physical Review B*, **2012**, 86,	3.3	317
170	Conductance quantization in mesoscopic graphene. *Physical Review B*, **2006**, 73,	3.3	289
169	A PRIMER ON SURFACE PLASMON-POLARITONS IN GRAPHENE. *International Journal of Modern Physics B*, **2013**, 27, 1341001	1.1	257
168	Electronic properties of graphene multilayers. *Physical Review Letters*, **2006**, 97, 266801	7.4	240

167	Electronic properties of bilayer and multilayer graphene. *Physical Review B*, **2008**, 78,	3.3	235
166	Localized magnetic states in graphene. *Physical Review Letters*, **2008**, 101, 026805	7.4	207
165	Coulomb interactions and ferromagnetism in pure and doped graphene. *Physical Review B*, **2005**, 72,	3.3	198
164	Electron-electron interactions and the phase diagram of a graphene bilayer. *Physical Review B*, **2006** , 73,	3.3	182
163	Probing the ultimate plasmon confinement limits with a van der Waals heterostructure. *Science*, **2018**, 360, 291-295	33.3	179
162	Strained graphene: tight-binding and density functional calculations. *New Journal of Physics*, **2009**, 11, 115002	2.9	171
161	An Introduction to Graphene Plasmonics **2016**,		150
160	Edge and surface states in the quantum Hall effect in graphene. *Physical Review B*, **2006**, 73,	3.3	143
159	Unified description of the dc conductivity of monolayer and bilayer graphene at finite densities based on resonant scatterers. *Physical Review B*, **2011**, 83,	3.3	137
158	Dirac fermion confinement in graphene. *Physical Review B*, **2006**, 73,	3.3	127
157	Graphene-based photodetector with two cavities. *Physical Review B*, **2012**, 85,	3.3	125
156	Stability of boron nitride bilayers: Ground-state energies, interlayer distances, and tight-binding description. *Physical Review B*, **2011**, 83,	3.3	122
155	Electronic properties of a biased graphene bilayer. *Journal of Physics Condensed Matter*, **2010**, 22, 175503	1.8	121
154	Localized states at zigzag edges of bilayer graphene. *Physical Review Letters*, **2008**, 100, 026802	7.4	121
153	Transmission through a biased graphene bilayer barrier. *Physical Review B*, **2007**, 76,	3.3	117
152	Optical bistability of graphene in the terahertz range. *Physical Review B*, **2014**, 90,	3.3	112
151	Low-density ferromagnetism in biased bilayer graphene. *Physical Review Letters*, **2008**, 100, 186803	7.4	110
150	Inducing energy gaps in monolayer and bilayer graphene: Local density approximation calculations. *Physical Review B*, **2008**, 78,	3.3	106

149	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,	3.3	104
148	Phase diagram and magnetic collective excitations of the Hubbard model for graphene sheets and layers. *Physical Review B*, **2004**, 70,	3.3	102
147	Optical properties of strained graphene. *Europhysics Letters*, **2010**, 92, 67001	1.6	99
146	Conductivity of suspended and non-suspended graphene at finite gate voltage. *Physical Review B*, **2008**, 78,	3.3	98
145	Mechanism for graphene-based optoelectronic switches by tuning surface plasmon-polaritons in monolayer graphene. *Europhysics Letters*, **2010**, 92, 68001	1.6	97
144	Phenomenological study of the electronic transport coefficients of graphene. *Physical Review B*, **2007**, 76,	3.3	94
143	Theory of scanning tunneling spectroscopy of magnetic adatoms in graphene. *Physical Review Letters*, **2009**, 103, 206804	7.4	77
142	Complete light absorption in graphene-metamaterial corrugated structures. *Physical Review B*, **2012**, 86,	3.3	76
141	Dynamical polarizability of graphene beyond the Dirac cone approximation. *Physical Review B*, **2010** , 81,	3.3	75
140	Tunable graphene-based polarizer. *Journal of Applied Physics*, **2012**, 112, 084320	2.5	70
139	Observation of intra- and inter-band transitions in the transient optical response of graphene. *New Journal of Physics*, **2013**, 15, 015009	2.9	66
138	Electron waves in chemically substituted graphene. *Europhysics Letters*, **2007**, 80, 67007	1.6	64
137	The transport properties of graphene. *Journal of Physics Condensed Matter*, **2009**, 21, 323201	1.8	63
136	Effect of Holstein phonons on the electronic properties of graphene. *Journal of Physics Condensed Matter*, **2008**, 20, 055002	1.8	63
135	Zigzag graphene nanoribbon edge reconstruction with Stone-Wales defects. *Physical Review B*, **2011**, 84,	3.3	60
134	Excitonic effects in the optical conductivity of gated graphene. *Physical Review Letters*, **2010**, 105, 055501	7.4	59
133	Fermi liquid theory of a Fermi ring. *Physical Review B*, **2007**, 75,	3.3	59
132	Graphene-based polaritonic crystal. *Physical Review B*, **2012**, 85,	3.3	57

131	Algebraic solution of a graphene layer in transverse electric and perpendicular magnetic fields. *Journal of Physics Condensed Matter*, **2007**, 19, 406231	1.8	57
130	Unusual reflection of electromagnetic radiation from a stack of graphene layers at oblique incidence. *Journal of Optics (United Kingdom)*, **2013**, 15, 114004	1.7	56
129	Nonlinear TE-polarized surface polaritons on graphene. *Physical Review B*, **2014**, 89,	3.3	51
128	Far-field excitation of single graphene plasmon cavities with ultracompressed mode volumes. *Science*, **2020**, 368, 1219-1223	33.3	48
127	The infrared conductivity of graphene on top of silicon oxide. *Europhysics Letters*, **2008**, 84, 38002	1.6	48
126	Scattering in one-dimensional heterostructures described by the Dirac equation. *Journal of Physics Condensed Matter*, **2009**, 21, 095501	1.8	47
125	Site dilution of quantum spins in the honeycomb lattice. *Physical Review B*, **2006**, 73,	3.3	47
124	Confined magneto-optical waves in graphene. *Physical Review B*, **2012**, 85,	3.3	46
123	Transport properties of graphene with one-dimensional charge defects. *Europhysics Letters*, **2011**, 94, 28003	1.6	45
122	Active magneto-optical control of spontaneous emission in graphene. *Physical Review B*, **2015**, 92,	3.3	43
121	Coulomb drag and high-resistivity behavior in double-layer graphene. *Europhysics Letters*, **2011**, 95, 18001	1.6	43
120	Enhancing the absorption of graphene in the terahertz range. *Europhysics Letters*, **2013**, 101, 58002	1.6	42
119	Spin-wave dispersion in La2CuO4. *Physical Review B*, **2002**, 65,	3.3	41
118	Magnetism in strained graphene dots. *Physical Review B*, **2009**, 80,	3.3	40
117	Excitonic effects in the optical properties of 2D materials:an equation of motion approach. *2D Materials*, **2017**, 4, 025086	5.9	36
116	Gauge covariances and nonlinear optical responses. *Physical Review B*, **2017**, 96,	3.3	36
115	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	1.7	36
114	TRANSPORT IN A CLEAN GRAPHENE SHEET AT FINITE TEMPERATURE AND FREQUENCY. *International Journal of Modern Physics B*, **2008**, 22, 2529-2536	1.1	34

113	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	32
112	Dirac electrons in graphene-based quantum wires and quantum dots. *Journal of Physics Condensed Matter*, **2009**, 21, 344202	1.8	32
111	Graphene field-effect transistor array with integrated electrolytic gates scaled to 200 mm. *Journal of Physics Condensed Matter*, **2016**, 28, 085302	1.8	31
110	Quantum Nanophotonics in Two-Dimensional Materials. *ACS Photonics*, **2021**, 8, 85-101	6.3	31
109	Exciton polaritons in two-dimensional dichalcogenide layers placed in a planar microcavity: Tunable interaction between two Bose-Einstein condensates. *Physical Review B*, **2015**, 92,	3.3	30
108	Finite-temperature transport in finite-size Hubbard rings in the strong-coupling limit. *Physical Review B*, **2000**, 61, 5169-5183	3.3	30
107	Probing nonlocal effects in metals with graphene plasmons. *Physical Review B*, **2018**, 97,	3.3	29
106	Strain-induced edge magnetism at the zigzag edge of a graphene quantum dot. *Physical Review B*, **2015**, 91,	3.3	28
105	Discrete solitons in graphene metamaterials. *Physical Review B*, **2015**, 91,	3.3	27
104	Electronic doping of graphene by deposited transition metal atoms. *Physical Review B*, **2011**, 84,	3.3	27
103	Electronic transport across linear defects in graphene. *Physical Review B*, **2015**, 92,	3.3	26
102	Local density of states and scanning tunneling currents in graphene. *New Journal of Physics*, **2009**, 11, 095007	2.9	26
101	Bilayer graphene: gap tunability and edge properties. *Journal of Physics: Conference Series*, **2008**, 129, 012002	0.3	26
100	Tunneling of Dirac electrons through spatial regions of finite mass. *Journal of Physics Condensed Matter*, **2008**, 20, 325221	1.8	26
99	Localized states at zigzag edges of multilayer graphene and graphite steps. *Europhysics Letters*, **2008**, 84, 17001	1.6	25
98	Finite-frequency optical absorption in 1D conductors and mott-hubbard insulators. *Physical Review Letters*, **2000**, 84, 4673-6	7.4	24
97	On Coulomb drag in double layer systems. *Journal of Physics Condensed Matter*, **2012**, 24, 335602	1.8	23
96	Curvature of levels and charge stiffness of one-dimensional spinless fermions. *Physical Review B*, **1999**, 59, 7382-7392	3.3	23

95	Near-Unity Light Absorption in a Monolayer WS Van der Waals Heterostructure Cavity. *Nano Letters* , **2020**, 20, 3545-3552	11.5	22
94	Graphene Plasmons in Triangular Wedges and Grooves. *ACS Photonics*, **2016**, 3, 2176-2183	6.3	22
93	Hybridized Plasmons in 2D Nanoslits: From Graphene to Anisotropic 2D Materials. *ACS Photonics*, **2017**, 4, 3045-3054	6.3	22
92	Scanning tunneling microscopy currents on locally disordered graphene. *Physical Review B*, **2009**, 79,	3.3	22
91	Topological magnons in CrI3 monolayers: an itinerant fermion description. *2D Materials*, **2020**, 7, 045031	5.9	21
90	Gaped graphene bilayer: disorder and magnetic field effects. *Physica Status Solidi (B): Basic Research*, **2007**, 244, 2311-2316	1.3	20
89	Excitonic magneto-optical Kerr effect in two-dimensional transition metal dichalcogenides induced by spin proximity. *Physical Review B*, **2020**, 101,	3.3	19
88	Electrically tunable resonant scattering in fluorinated bilayer graphene. *Physical Review B*, **2015**, 92,	3.3	19
87	Scattering by linear defects in graphene: A continuum approach. *Physical Review B*, **2012**, 86,	3.3	19
86	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	18
85	Pseudoparticle description of the 1D Hubbard model electronic transport properties. *Zeitschrift F Physik B-Condensed Matter*, **1996**, 103, 217-220		18
84	Nonlinear optical responses of crystalline systems: Results from a velocity gauge analysis. *Physical Review B*, **2018**, 97,	3.3	18
83	Modeling the excitation of graphene plasmons in periodic grids of graphene ribbons: An analytical approach. *Physical Review B*, **2016**, 94,	3.3	17
82	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	0.8	17
81	Highly confined in-plane propagating exciton-polaritons on monolayer semiconductors. *2D Materials*, **2020**, 7, 035031	5.9	15
80	Superconductivity in the SU(N) Anderson lattice at U= *Physical Review B*, **2000**, 62, 9800-9807	3.3	15
79	Scattering of graphene plasmons at abrupt interfaces: An analytic and numeric study. *Physical Review B*, **2018**, 97,	3.3	14
78	Orbital symmetry fingerprints for magnetic adatoms in graphene. *New Journal of Physics*, **2014**, 16, 013045	3.9	14

77	Comment on "Gapless spin-1 neutral collective mode branch for graphite". *Physical Review Letters*, **2004**, 92, 199701; author reply 199702	7.4	14
76	Optical absorption of single-layer hexagonal boron nitride in the ultraviolet. *Journal of Physics Condensed Matter*, **2020**, 32, 025304	1.8	14
75	Enhanced optical dichroism of graphene nanoribbons. *Physical Review B*, **2012**, 86,	3.3	13
74	Topological photonic Tamm states and the Su-Schrieffer-Heeger model. *Physical Review A*, **2020**, 101,	2.6	12
73	Universal description of channel plasmons in two-dimensional materials. *Optica*, **2017**, 4, 595	8.6	12
72	Complete pseudohole and heavy-pseudoparticle operator representation for the Hubbard chain. *Physical Review B*, **1997**, 56, 3717-3741	3.3	12
71	Local-moment formation in the periodic Anderson model with superconducting correlations. *Physical Review B*, **2001**, 65,	3.3	11
70	Quantum surface-response of metals revealed by acoustic graphene plasmons. *Nature Communications*, **2021**, 12, 3271	17.4	11
69	Optical orientation with linearly polarized light in transition metal dichalcogenides. *Physical Review B*, **2019**, 99,	3.3	10
68	Multiple negative differential conductance regions and inelastic phonon assisted tunneling in graphene/hBN/graphene structures. *Physical Review B*, **2016**, 93,	3.3	10
67	Controlling Spoof Plasmons in a Metal Grating Using Graphene Surface Plasmons. *ACS Photonics*, **2017**, 4, 3071-3080	6.3	10
66	Hydrodynamic model approach to the formation of plasmonic wakes in graphene. *Physical Review B* , **2017**, 96,	3.3	10
65	Magneto-optical Kerr effect in spin split two-dimensional massive Dirac materials. *2D Materials*, **2020**, 7, 025011	5.9	10
64	Monolayer transition metal dichalcogenides in strong magnetic fields: Validating the Wannier model using a microscopic calculation. *Physical Review B*, **2019**, 99,	3.3	10
63	Terahertz response of patterned epitaxial graphene. *New Journal of Physics*, **2015**, 17, 053045	2.9	9
62	Excitons in phosphorene: A semi-analytical perturbative approach. *Physical Review B*, **2020**, 101,	3.3	9
61	Scattering of surface plasmon polaritons in a graphene multilayer photonic crystal with inhomogeneous doping. *Physical Review B*, **2016**, 93,	3.3	9
60	Anderson localization of light in disordered superlattices containing graphene layers. *Physical Review B*, **2015**, 92,	3.3	9

59	Transmission through a defect in polyacene: the extreme limit of ultranarrow graphene. *Journal of Physics Condensed Matter*, **2008**, 20, 255207	1.8	9
58	Quantization of graphene plasmons. *Physical Review A*, **2020**, 101,	2.6	8
57	Scattering by linear defects in graphene: a tight-binding approach. *Journal of Physics Condensed Matter*, **2013**, 25, 075303	1.8	8
56	Strong light-matter interaction in systems described by a modified Dirac equation. *Journal of Physics Condensed Matter*, **2013**, 25, 305801	1.8	8
55	Lattice Green function approach to the solution of the spectrum of an array of quantum dots and its linear conductance. *Physical Review B*, **2009**, 79,	3.3	8
54	Charge and spin transport in the one-dimensional Hubbard model. *Journal of Physics Condensed Matter*, **2007**, 19, 506203	1.8	8
53	Spin waves in La2CuO4: band structure and correlation effects. *Physica Status Solidi (B): Basic Research*, **2003**, 236, 523-526	1.3	8
52	Specific heat of the periodic Anderson model: From weak to strong coupling. *Physical Review B*, **2001**, 64,	3.3	8
51	A colloquium on the variational method applied to excitons in 2D materials. *European Physical Journal B*, **2020**, 93, 1	1.2	8
50	Numerical calculation of the Casimir-Polder interaction between a graphene sheet with vacancies and an atom. *Physical Review B*, **2016**, 94,	3.3	8
49	Impact of Graphene on the Polarizability of a Neighbour Nanoparticle: A Dyadic Green Function Study. *Applied Sciences (Switzerland)*, **2017**, 7, 1158	2.6	7
48	Renormalization of nanoparticle polarizability in the vicinity of a graphene-covered interface. *Physical Review B*, **2014**, 90,	3.3	7
47	Distortion of the perfect lattice structure in bilayer graphene. *Physical Review B*, **2009**, 79,	3.3	7
46	Weak ferromagnetism and spiral spin structures in honeycomb Hubbard planes. *Journal of Physics Condensed Matter*, **2006**, 18, 1769-1779	1.8	7
45	Hybrid plasmon-magnon polaritons in graphene-antiferromagnet heterostructures. *2D Materials*, **2019**, 6, 045003	5.9	6
44	Twisted Bilayer Graphene: Low-Energy Physics, Electronic and Optical Properties **2019**, 177-231		6
43	Evolution of squeezed states under the Fock-Darwin Hamiltonian. *Physical Review A*, **2009**, 80,	2.6	6
42	Understanding the Electromagnetic Response of Graphene/Metallic Nanostructures Hybrids of Different Dimensionality. *ACS Photonics*, **2020**, 7, 2302-2308	6.3	6

41	Exciton polaritons of a 2D semiconductor layer in a cylindrical microcavity. *Journal of Applied Physics*, **2020**, 127, 133101	2.5	5
40	Magnetic field assisted transmission of THz waves through a graphene layer combined with a periodically perforated metallic film. *Physical Review B*, **2018**, 97,	3.3	5
39	Pumping electrons in graphene to the M point in the Brillouin zone: Emergence of anisotropic plasmons. *Physical Review B*, **2016**, 94,	3.3	5
38	Cloaking resonant scatterers and tuning electron flow in graphene. *Physical Review B*, **2015**, 91,	3.3	5
37	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	5
36	Nonreciprocal magnons in a two-dimensional crystal with out-of-plane magnetization. *Physical Review B*, **2020**, 102,	3.3	5
35	Excitation of localized graphene plasmons by a metallic slit. *Physical Review B*, **2020**, 101,	3.3	4
34	Optical conductivity of ABA stacked graphene trilayer: mid-IR resonance due to band nesting. *Journal of Physics Condensed Matter*, **2014**, 26, 395301	1.8	4
33	Publisher's Note: Localized Magnetic States in Graphene [Phys. Rev. Lett. 101, 026805 (2008)]. *Physical Review Letters*, **2008**, 101,	7.4	4
32	Ground states of integrable quantum liquids. *Physical Review B*, **1995**, 51, 7481-7496	3.3	4
31	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	1.7	4
30	Propagation of surface plasmons on plasmonic Bragg gratings. *Journal of Applied Physics*, **2019**, 125, 243106	2.5	3
29	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	1.6	3
28	Spin flop transition in doped antiferromagnets. *Journal of Physics Condensed Matter*, **2003**, 15, 7271-7286	1.8	3
27	Charge and spin transport in the one-dimensional Hubbard model. *Journal of Physics Condensed Matter*, **2001**, 13, 5135-5157	1.8	3
26	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	3
25	Anisotropic Stark shift, field-induced dissociation, and electroabsorption of excitons in phosphorene. *Physical Review B*, **2020**, 102,	3.3	3
24	Calculation of the nonlinear response functions of intraexciton transitions in two-dimensional transition metal dichalcogenides. *Physical Review B*, **2021**, 103,	3.3	3

23	Excitonic magneto-optics in monolayer transition metal dichalcogenides: From nanoribbons to two-dimensional response. *Physical Review B*, **2019**, 100,	3.3	3
22	Analytical quantitative semiclassical approach to the Lo Surdo–Stark effect and ionization in two-dimensional excitons. *Physical Review B*, **2020**, 102,	3.3	2
21	Absorption and optical selection rules of tunable excitons in biased bilayer graphene. *Physical Review B*, **2022**, 105,	3.3	2
20	Analytical description of the 1s exciton linewidth temperature dependence in transition metal dichalcogenides. *Physical Review B*, **2021**, 103,	3.3	2
19	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,	11.5	2
18	Excitonic response of AA? and AB stacked hBN bilayers. *Physical Review B*, **2022**, 105,	3.3	2
17	Analytical solution of electronic transport through a benzene molecule using lattice Green's functions. *Journal of Physics Condensed Matter*, **2015**, 27, 145301	1.8	1
16	Symmetries and pseudoparticle transformations in 1D non-Abelian quantum liquids. *Journal of Low Temperature Physics*, **1995**, 99, 571-576	1.3	1
15	Third-order polarizability of interlayer excitons in heterobilayers. *Physical Review B*, **2021**, 104,	3.3	1
14	Ionization rate and Stark shift of a one-dimensional model of the hydrogen molecular ion. *European Journal of Physics*, **2021**, 42, 025403	0.8	1
13	Exciton-polariton mediated interaction between two nitrogen-vacancy color centers in diamond using two-dimensional transition metal dichalcogenides. *Physical Review B*, **2021**, 103,	3.3	1
12	Channel surface plasmons in a continuous and flat graphene sheet. *Physical Review B*, **2018**, 97,	3.3	1
11	Topological Graphene Plasmons in a Plasmonic Realization of the Su–Schrieffer–Heeger Model. *ACS Photonics*, **2021**, 8, 1817-1823	6.3	0
10	The polarizability of a confined atomic system: an application of the Dalgarno–Lewis method. *European Journal of Physics*, **2021**, 42, 045407	0.8	0
9	Two-level systems coupled to Graphene plasmons: A Lindblad equation approach. *International Journal of Modern Physics B*, **2021**, 35, 2130007	1.1	0
8	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	1.7	0
7	Theoretical methods for excitonic physics in two-dimensional materials. *Physica Status Solidi (B): Basic Research*,	1.3	0
6	Solution of spherically symmetric quantum models by the transfer-matrix method. *European Journal of Physics*, **1997**, 18, 369-373	0.8	

5	Transport Through a Graphene Transistor. *Mathematics in Industry*, **2008**, 494-498	0.2
4	An introduction to the physics of graphene layers **2007**, 111-143	
3	Fresnel polarisation of infra-red radiation by elemental bismuth. *European Physical Journal B*, **2020**, 93, 1	1.2
2	Exciton energies and wave functions in hexagonal boron nitride using Miller and Good□ uniform approach. *European Physical Journal B*, **2021**, 94, 1	1.2
1	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	1.7