Nuno M R Peres

List of Publications by Year in Descending Order

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	Absorption and optical selection rules of tunable excitons in biased bilayer graphene. *Physical Review B*, **2022**, 105,	3.3	2
183	Excitonic response of AA? and AB stacked hBN bilayers. *Physical Review B*, **2022**, 105,	3.3	2
182	Third-order polarizability of interlayer excitons in heterobilayers. *Physical Review B*, **2021**, 104,	3.3	1
181	Topological Graphene Plasmons in a Plasmonic Realization of the Su□Schrieffer□Heeger Model. *ACS Photonics*, **2021**, 8, 1817-1823	6.3	0
180	The polarizability of a confined atomic system: an application of the Dalgarno□Lewis method. *European Journal of Physics*, **2021**, 42, 045407	0.8	0
179	Calculation of the nonlinear response functions of intraexciton transitions in two-dimensional transition metal dichalcogenides. *Physical Review B*, **2021**, 103,	3.3	3
178	Quantum surface-response of metals revealed by acoustic graphene plasmons. *Nature Communications*, **2021**, 12, 3271	17.4	11
177	Analytical description of the 1s exciton linewidth temperature dependence in transition metal dichalcogenides. *Physical Review B*, **2021**, 103,	3.3	2
176	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
175	Exciton energies and wave functions in hexagonal boron nitride using Miller and Good□ uniform approach. *European Physical Journal B*, **2021**, 94, 1	1.2	
174	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
173	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
172	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
171	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	
170	Two-level systems coupled to Graphene plasmons: A Lindblad equation approach. *International Journal of Modern Physics B*, **2021**, 35, 2130007	1.1	0
169	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
168	Quantum Nanophotonics in Two-Dimensional Materials. *ACS Photonics*, **2021**, 8, 85-101	6.3	31

167	Highly confined in-plane propagating exciton-polaritons on monolayer semiconductors. *2D Materials*, **2020**, 7, 035031	5.9	15
166	Far-field excitation of single graphene plasmon cavities with ultracompressed mode volumes. *Science*, **2020**, 368, 1219-1223	33.3	48
165	Quantization of graphene plasmons. *Physical Review A*, **2020**, 101,	2.6	8
164	Analytical quantitative semiclassical approach to the Lo Surdo–Stark effect and ionization in two-dimensional excitons. *Physical Review B*, **2020**, 102,	3.3	2
163	Excitation of localized graphene plasmons by a metallic slit. *Physical Review B*, **2020**, 101,	3.3	4
162	Excitons in phosphorene: A semi-analytical perturbative approach. *Physical Review B*, **2020**, 101,	3.3	9
161	Excitonic magneto-optical Kerr effect in two-dimensional transition metal dichalcogenides induced by spin proximity. *Physical Review B*, **2020**, 101,	3.3	19
160	Topological photonic Tamm states and the Su-Schrieffer-Heeger model. *Physical Review A*, **2020**, 101,	2.6	12
159	Near-Unity Light Absorption in a Monolayer WS Van der Waals Heterostructure Cavity. *Nano Letters* , **2020**, 20, 3545-3552	11.5	22
158	Exciton–polaritons of a 2D semiconductor layer in a cylindrical microcavity. *Journal of Applied Physics*, **2020**, 127, 133101	2.5	5
157	Topological magnons in CrI3 monolayers: an itinerant fermion description. *2D Materials*, **2020**, 7, 045031	5.9	21
156	Magneto-optical Kerr effect in spin split two-dimensional massive Dirac materials. *2D Materials*, **2020**, 7, 025011	5.9	10
155	Optical absorption of single-layer hexagonal boron nitride in the ultraviolet. *Journal of Physics Condensed Matter*, **2020**, 32, 025304	1.8	14
154	Fresnel polarisation of infra-red radiation by elemental bismuth. *European Physical Journal B*, **2020**, 93, 1	1.2	
153	Nonreciprocal magnons in a two-dimensional crystal with out-of-plane magnetization. *Physical Review B*, **2020**, 102,	3.3	5
152	Understanding the Electromagnetic Response of Graphene/Metallic Nanostructures Hybrids of Different Dimensionality. *ACS Photonics*, **2020**, 7, 2302-2308	6.3	6
151	Anisotropic Stark shift, field-induced dissociation, and electroabsorption of excitons in phosphorene. *Physical Review B*, **2020**, 102,	3.3	3
150	A colloquium on the variational method applied to excitons in 2D materials. *European Physical Journal B*, **2020**, 93, 1	1.2	8

149	Hybrid plasmon-magnon polaritons in graphene-antiferromagnet heterostructures. *2D Materials*, **2019**, 6, 045003	5.9	6
148	Optical orientation with linearly polarized light in transition metal dichalcogenides. *Physical Review B*, **2019**, 99,	3.3	10
147	Propagation of surface plasmons on plasmonic Bragg gratings. *Journal of Applied Physics*, **2019**, 125, 243106	2.5	3
146	Twisted Bilayer Graphene: Low-Energy Physics, Electronic and Optical Properties **2019**, 177-231		6
145	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
144	Excitonic magneto-optics in monolayer transition metal dichalcogenides: From nanoribbons to two-dimensional response. *Physical Review B*, **2019**, 100,	3.3	3
143	Monolayer transition metal dichalcogenides in strong magnetic fields: Validating the Wannier model using a microscopic calculation. *Physical Review B*, **2019**, 99,	3.3	10
142	Probing the ultimate plasmon confinement limits with a van der Waals heterostructure. *Science*, **2018**, 360, 291-295	33.3	179
141	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
140	Scattering of graphene plasmons at abrupt interfaces: An analytic and numeric study. *Physical Review B*, **2018**, 97,	3.3	14
139	Probing nonlocal effects in metals with graphene plasmons. *Physical Review B*, **2018**, 97,	3.3	29
138	Channel surface plasmons in a continuous and flat graphene sheet. *Physical Review B*, **2018**, 97,	3.3	1
137	Nonlinear optical responses of crystalline systems: Results from a velocity gauge analysis. *Physical Review B*, **2018**, 97,	3.3	18
136	Excitonic effects in the optical properties of 2D materials:an equation of motion approach. *2D Materials*, **2017**, 4, 025086	5.9	36
135	Hybridized Plasmons in 2D Nanoslits: From Graphene to Anisotropic 2D Materials. *ACS Photonics*, **2017**, 4, 3045-3054	6.3	22
134	Gauge covariances and nonlinear optical responses. *Physical Review B*, **2017**, 96,	3.3	36
133	Controlling Spoof Plasmons in a Metal Grating Using Graphene Surface Plasmons. *ACS Photonics*, **2017**, 4, 3071-3080	6.3	10
132	Hydrodynamic model approach to the formation of plasmonic wakes in graphene. *Physical Review B* , **2017**, 96,	3.3	10

131	Universal description of channel plasmons in two-dimensional materials. *Optica*, **2017**, 4, 595	8.6	12
130	Impact of Graphene on the Polarizability of a Neighbour Nanoparticle: A Dyadic Green Function Study. *Applied Sciences (Switzerland)*, **2017**, 7, 1158	2.6	7
129	Pumping electrons in graphene to the M point in the Brillouin zone: Emergence of anisotropic plasmons. *Physical Review B*, **2016**, 94,	3.3	5
128	Multiple negative differential conductance regions and inelastic phonon assisted tunneling in graphene/hBN/graphene structures. *Physical Review B*, **2016**, 93,	3.3	10
127	Scattering of surface plasmon polaritons in a graphene multilayer photonic crystal with inhomogeneous doping. *Physical Review B*, **2016**, 93,	3.3	9
126	Modeling the excitation of graphene plasmons in periodic grids of graphene ribbons: An analytical approach. *Physical Review B*, **2016**, 94,	3.3	17
125	Graphene Plasmons in Triangular Wedges and Grooves. *ACS Photonics*, **2016**, 3, 2176-2183	6.3	22
124	Graphene field-effect transistor array with integrated electrolytic gates scaled to 200 mm. *Journal of Physics Condensed Matter*, **2016**, 28, 085302	1.8	31
123	An Introduction to Graphene Plasmonics **2016**,		150
122	Numerical calculation of the Casimir-Polder interaction between a graphene sheet with vacancies and an atom. *Physical Review B*, **2016**, 94,	3.3	8
121	Terahertz response of patterned epitaxial graphene. *New Journal of Physics*, **2015**, 17, 053045	2.9	9
120	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
119	Strain-induced edge magnetism at the zigzag edge of a graphene quantum dot. *Physical Review B*, **2015**, 91,	3.3	28
118	Cloaking resonant scatterers and tuning electron flow in graphene. *Physical Review B*, **2015**, 91,	3.3	5
117	Electronic transport across linear defects in graphene. *Physical Review B*, **2015**, 92,	3.3	26
116	Electrically tunable resonant scattering in fluorinated bilayer graphene. *Physical Review B*, **2015**, 92,	3.3	19
115	Anderson localization of light in disordered superlattices containing graphene layers. *Physical Review B*, **2015**, 92,	3.3	9
114	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

113	Active magneto-optical control of spontaneous emission in graphene. *Physical Review B*, **2015**, 92,	3.3	43
112	Discrete solitons in graphene metamaterials. *Physical Review B*, **2015**, 91,	3.3	27
111	Nonlinear TE-polarized surface polaritons on graphene. *Physical Review B*, **2014**, 89,	3.3	51
110	Optical bistability of graphene in the terahertz range. *Physical Review B*, **2014**, 90,	3.3	112
109	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
108	Orbital symmetry fingerprints for magnetic adatoms in graphene. *New Journal of Physics*, **2014**, 16, 013045	2.9	14
107	Renormalization of nanoparticle polarizability in the vicinity of a graphene-covered interface. *Physical Review B*, **2014**, 90,	3.3	7
106	Observation of intra- and inter-band transitions in the transient optical response of graphene. *New Journal of Physics*, **2013**, 15, 015009	2.9	66
105	Scattering by linear defects in graphene: a tight-binding approach. *Journal of Physics Condensed Matter*, **2013**, 25, 075303	1.8	8
104	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
103	Enhancing the absorption of graphene in the terahertz range. *Europhysics Letters*, **2013**, 101, 58002	1.6	42
102	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
101	A PRIMER ON SURFACE PLASMON-POLARITONS IN GRAPHENE. *International Journal of Modern Physics B*, **2013**, 27, 1341001	1.1	257
100	Strong light-matter interaction in systems described by a modified Dirac equation. *Journal of Physics Condensed Matter*, **2013**, 25, 305801	1.8	8
99	Scattering by linear defects in graphene: A continuum approach. *Physical Review B*, **2012**, 86,	3.3	19
98	Confined magneto-optical waves in graphene. *Physical Review B*, **2012**, 85,	3.3	46
97	Field-effect tunneling transistor based on vertical graphene heterostructures. *Science*, **2012**, 335, 947-50	33.3	1991
96	Enhanced optical dichroism of graphene nanoribbons. *Physical Review B*, **2012**, 86,	3.3	13

95	Complete light absorption in graphene-metamaterial corrugated structures. *Physical Review B*, **2012**, 86,	3.3	76
94	Graphene-based photodetector with two cavities. *Physical Review B*, **2012**, 85,	3.3	125
93	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
92	Tunable graphene-based polarizer. *Journal of Applied Physics*, **2012**, 112, 084320	2.5	70
91	Continuum model of the twisted graphene bilayer. *Physical Review B*, **2012**, 86,	3.3	317
90	Electron tunneling through ultrathin boron nitride crystalline barriers. *Nano Letters*, **2012**, 12, 1707-10	11.5	579
89	Graphene-based polaritonic crystal. *Physical Review B*, **2012**, 85,	3.3	57
88	On Coulomb drag in double layer systems. *Journal of Physics Condensed Matter*, **2012**, 24, 335602	1.8	23
87	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
86	Stability of boron nitride bilayers: Ground-state energies, interlayer distances, and tight-binding description. *Physical Review B*, **2011**, 83,	3.3	122
85	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
84	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
83	Coulomb drag and high-resistivity behavior in double-layer graphene. *Europhysics Letters*, **2011**, 95, 18001	1.6	43
82	Zigzag graphene nanoribbon edge reconstruction with Stone-Wales defects. *Physical Review B*, **2011**, 84,	3.3	60
81	Electronic doping of graphene by deposited transition metal atoms. *Physical Review B*, **2011**, 84,	3.3	27
80	Transport properties of graphene with one-dimensional charge defects. *Europhysics Letters*, **2011**, 94, 28003	1.6	45
79	Dynamical polarizability of graphene beyond the Dirac cone approximation. *Physical Review B*, **2010**, 81,	3.3	75
78	Optical properties of strained graphene. *Europhysics Letters*, **2010**, 92, 67001	1.6	99

77	Mechanism for graphene-based optoelectronic switches by tuning surface plasmon-polaritons in monolayer graphene. *Europhysics Letters*, **2010**, 92, 68001	1.6	97
76	Electronic properties of a biased graphene bilayer. *Journal of Physics Condensed Matter*, **2010**, 22, 175503	1.8	121
75	Excitonic effects in the optical conductivity of gated graphene. *Physical Review Letters*, **2010**, 105, 055501	7.4	59
74	Colloquium: The transport properties of graphene: An introduction. *Reviews of Modern Physics*, **2010**, 82, 2673-2700	40.5	772
73	Lattice Green's function approach to the solution of the spectrum of an array of quantum dots and its linear conductance. *Physical Review B*, **2009**, 79,	3.3	8
72	Distortion of the perfect lattice structure in bilayer graphene. *Physical Review B*, **2009**, 79,	3.3	7
71	Evolution of squeezed states under the Fock-Darwin Hamiltonian. *Physical Review A*, **2009**, 80,	2.6	6
70	Local density of states and scanning tunneling currents in graphene. *New Journal of Physics*, **2009**, 11, 095007	2.9	26
69	The transport properties of graphene. *Journal of Physics Condensed Matter*, **2009**, 21, 323201	1.8	63
68	The electronic properties of graphene. *Reviews of Modern Physics*, **2009**, 81, 109-162	40.5	17608
67	Strained graphene: tight-binding and density functional calculations. *New Journal of Physics*, **2009**, 11, 115002	2.9	171
66	Theory of scanning tunneling spectroscopy of magnetic adatoms in graphene. *Physical Review Letters*, **2009**, 103, 206804	7.4	77
65	Scanning tunneling microscopy currents on locally disordered graphene. *Physical Review B*, **2009**, 79,	3.3	22
64	Scattering in one-dimensional heterostructures described by the Dirac equation. *Journal of Physics Condensed Matter*, **2009**, 21, 095501	1.8	47
63	Dirac electrons in graphene-based quantum wires and quantum dots. *Journal of Physics Condensed Matter*, **2009**, 21, 344202	1.8	32
62	Tight-binding approach to uniaxial strain in graphene. *Physical Review B*, **2009**, 80,	3.3	918
61	Magnetism in strained graphene dots. *Physical Review B*, **2009**, 80,	3.3	40
60	Bilayer graphene: gap tunability and edge properties. *Journal of Physics: Conference Series*, **2008**, 129, 012002	0.3	26

59	Electronic properties of bilayer and multilayer graphene. *Physical Review B*, **2008**, 78,	3.3	235
58	Conductivity of suspended and non-suspended graphene at finite gate voltage. *Physical Review B*, **2008**, 78,	3.3	98
57	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
56	Low-density ferromagnetism in biased bilayer graphene. *Physical Review Letters*, **2008**, 100, 186803	7.4	110
55	Transport Through a Graphene Transistor. *Mathematics in Industry*, **2008**, 494-498	0.2	
54	Localized states at zigzag edges of bilayer graphene. *Physical Review Letters*, **2008**, 100, 026802	7.4	121
53	The infrared conductivity of graphene on top of silicon oxide. *Europhysics Letters*, **2008**, 84, 38002	1.6	48
52	Optical conductivity of graphene in the visible region of the spectrum. *Physical Review B*, **2008**, 78,	3.3	606
51	Localized magnetic states in graphene. *Physical Review Letters*, **2008**, 101, 026805	7.4	207
50	Localized states at zigzag edges of multilayer graphene and graphite steps. *Europhysics Letters*, **2008**, 84, 17001	1.6	25
49	TRANSPORT IN A CLEAN GRAPHENE SHEET AT FINITE TEMPERATURE AND FREQUENCY. *International Journal of Modern Physics B*, **2008**, 22, 2529-2536	1.1	34
48	Effect of Holstein phonons on the electronic properties of graphene. *Journal of Physics Condensed Matter*, **2008**, 20, 055002	1.8	63
47	Tunneling of Dirac electrons through spatial regions of finite mass. *Journal of Physics Condensed Matter*, **2008**, 20, 325221	1.8	26
46	Transmission through a defect in polyacene: the extreme limit of ultranarrow graphene. *Journal of Physics Condensed Matter*, **2008**, 20, 255207	1.8	9
45	Publisher Note: Localized Magnetic States in Graphene [Phys. Rev. Lett. 101, 026805 (2008)]. *Physical Review Letters*, **2008**, 101,	7.4	4
44	Inducing energy gaps in monolayer and bilayer graphene: Local density approximation calculations. *Physical Review B*, **2008**, 78,	3.3	106
43	Fine structure constant defines visual transparency of graphene. *Science*, **2008**, 320, 1308	33.3	6461
42	Transmission through a biased graphene bilayer barrier. *Physical Review B*, **2007**, 76,	3.3	117

41	Graphene bilayer with a twist: electronic structure. *Physical Review Letters*, **2007**, 99, 256802	7.4	874
40	Gaped graphene bilayer: disorder and magnetic field effects. *Physica Status Solidi (B): Basic Research*, **2007**, 244, 2311-2316	1.3	20
39	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
38	Fermi liquid theory of a Fermi ring. *Physical Review B*, **2007**, 75,	3.3	59
37	Electron waves in chemically substituted graphene. *Europhysics Letters*, **2007**, 80, 67007	1.6	64
36	Charge and spin transport in the one-dimensional Hubbard model. *Journal of Physics Condensed Matter*, **2007**, 19, 506203	1.8	8
35	An introduction to the physics of graphene layers **2007**, 111-143		
34	Biased bilayer graphene: semiconductor with a gap tunable by the electric field effect. *Physical Review Letters*, **2007**, 99, 216802	7.4	1524
33	Algebraic solution of a graphene layer in transverse electric and perpendicular magnetic fields. *Journal of Physics Condensed Matter*, **2007**, 19, 406231	1.8	57
32	Electronic transport in graphene: A semiclassical approach including midgap states. *Physical Review B*, **2007**, 76,	3.3	442
31	Phenomenological study of the electronic transport coefficients of graphene. *Physical Review B*, **2007**, 76,	3.3	94
30	Electron-electron interactions and the phase diagram of a graphene bilayer. *Physical Review B*, **2006** , 73,	3.3	182
29	Weak ferromagnetism and spiral spin structures in honeycomb Hubbard planes. *Journal of Physics Condensed Matter*, **2006**, 18, 1769-1779	1.8	7
28	Site dilution of quantum spins in the honeycomb lattice. *Physical Review B*, **2006**, 73,	3.3	47
27	Edge and surface states in the quantum Hall effect in graphene. *Physical Review B*, **2006**, 73,	3.3	143
26	Electronic states and Landau levels in graphene stacks. *Physical Review B*, **2006**, 73,	3.3	525
25	Electronic properties of graphene multilayers. *Physical Review Letters*, **2006**, 97, 266801	7.4	240
24	Dirac fermion confinement in graphene. *Physical Review B*, **2006**, 73,	3.3	127

23	Conductance quantization in mesoscopic graphene. *Physical Review B*, **2006**, 73,	3.3	289
22	Disorder induced localized States in graphene. *Physical Review Letters*, **2006**, 96, 036801	7.4	491
21	Electronic properties of disordered two-dimensional carbon. *Physical Review B*, **2006**, 73,	3.3	1190
20	Coulomb interactions and ferromagnetism in pure and doped graphene. *Physical Review B*, **2005**, 72,	3.3	198
19	Comment on "Gapless spin-1 neutral collective mode branch for graphite". *Physical Review Letters*, **2004**, 92, 199701; author reply 199702	7.4	14
18	Phase diagram and magnetic collective excitations of the Hubbard model for graphene sheets and layers. *Physical Review B*, **2004**, 70,	3.3	102
17	Spin waves in La2CuO4: band structure and correlation effects. *Physica Status Solidi (B): Basic Research*, **2003**, 236, 523-526	1.3	8
16	Spin flop transition in doped antiferromagnets. *Journal of Physics Condensed Matter*, **2003**, 15, 7271-7286	1.8	3
15	Spin-wave dispersion in La2CuO4. *Physical Review B*, **2002**, 65,	3.3	41
14	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
13	Charge and spin transport in the one-dimensional Hubbard model. *Journal of Physics Condensed Matter*, **2001**, 13, 5135-5157	1.8	3
12	Local-moment formation in the periodic Anderson model with superconducting correlations. *Physical Review B*, **2001**, 65,	3.3	11
11	Specific heat of the periodic Anderson model: From weak to strong coupling. *Physical Review B*, **2001**, 64,	3.3	8
10	Finite-temperature transport in finite-size Hubbard rings in the strong-coupling limit. *Physical Review B*, **2000**, 61, 5169-5183	3.3	30
9	Superconductivity in the SU(N) Anderson lattice at U=∞ *Physical Review B*, **2000**, 62, 9800-9807	3.3	15
8	Finite-frequency optical absorption in 1D conductors and mott-hubbard insulators. *Physical Review Letters*, **2000**, 84, 4673-6	7.4	24
7	Curvature of levels and charge stiffness of one-dimensional spinless fermions. *Physical Review B*, **1999**, 59, 7382-7392	3.3	23
6	Complete pseudohole and heavy-pseudoparticle operator representation for the Hubbard chain. *Physical Review B*, **1997**, 56, 3717-3741	3.3	12

5	Solution of spherically symmetric quantum models by the transfer-matrix method. *European Journal of Physics*, **1997**, 18, 369-373	0.8	
4	Pseudoparticle description of the 1D Hubbard model electronic transport properties. *Zeitschrift F Physik B-Condensed Matter*, **1996**, 103, 217-220		18
3	Symmetries and pseudoparticle transformations in 1D non-Abelian quantum liquids. *Journal of Low Temperature Physics*, **1995**, 99, 571-576	1.3	1
2	Ground states of integrable quantum liquids. *Physical Review B*, **1995**, 51, 7481-7496	3.3	4
1	Theoretical methods for excitonic physics in two-dimensional materials. *Physica Status Solidi (B): Basic Research*,	1.3	0