

# Francisco Guinea

## List of Publications by Citations

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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.

457 papers	61,018 citations	98 h-index	243 g-index
473 ext. papers	67,359 ext. citations	5.6 avg, IF	8.02 L-index

#	Paper	IF	Citations
457	The electronic properties of graphene. <i>Reviews of Modern Physics</i> , <b>2009</b> , 81, 109-162	40.5	17608
456	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , <b>2015</b> , 7, 4598-810	7.7	2015
455	Substrate-induced bandgap opening in epitaxial graphene. <i>Nature Materials</i> , <b>2007</b> , 6, 770-5	27	1883
454	Biased bilayer graphene: semiconductor with a gap tunable by the electric field effect. <i>Physical Review Letters</i> , <b>2007</b> , 99, 216802	7.4	1524
453	Energy gaps and a zero-field quantum Hall effect in graphene by strain engineering. <i>Nature Physics</i> , <b>2010</b> , 6, 30-33	16.2	1317
452	Universal features of the equation of state of metals. <i>Physical Review B</i> , <b>1984</b> , 29, 2963-2969	3.3	1225
451	Electronic properties of disordered two-dimensional carbon. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	1190
450	Strain-induced pseudo-magnetic fields greater than 300 tesla in graphene nanobubbles. <i>Science</i> , <b>2010</b> , 329, 544-7	33.3	1132
449	Cloning of Dirac fermions in graphene superlattices. <i>Nature</i> , <b>2013</b> , 497, 594-7	50.4	884
448	Dynamical polarization of graphene at finite doping. <i>New Journal of Physics</i> , <b>2006</b> , 8, 318-318	2.9	845
447	Electron-Electron Interactions in Graphene: Current Status and Perspectives. <i>Reviews of Modern Physics</i> , <b>2012</b> , 84, 1067-1125	40.5	833
446	Local strain engineering in atomically thin MoS <sub>2</sub> . <i>Nano Letters</i> , <b>2013</b> , 13, 5361-6	11.5	802
445	Spin-orbit coupling in curved graphene, fullerenes, nanotubes, and nanotube caps. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	795
444	Damping pathways of mid-infrared plasmons in graphene nanostructures. <i>Nature Photonics</i> , <b>2013</b> , 7, 394-399	33.9	682
443	Polaritons in layered two-dimensional materials. <i>Nature Materials</i> , <b>2017</b> , 16, 182-194	27	665
442	Missing atom as a source of carbon magnetism. <i>Physical Review Letters</i> , <b>2010</b> , 104, 096804	7.4	665
441	Gauge fields in graphene. <i>Physics Reports</i> , <b>2010</b> , 496, 109-148	27.7	655

440	Dirac cones reshaped by interaction effects in suspended graphene. <i>Nature Physics</i> , <b>2011</b> , 7, 701-704	16.2	577
439	Periodically rippled graphene: growth and spatially resolved electronic structure. <i>Physical Review Letters</i> , <b>2008</b> , 100, 056807	7.4	528
438	Electronic states and Landau levels in graphene stacks. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	525
437	Disorder induced localized States in graphene. <i>Physical Review Letters</i> , <b>2006</b> , 96, 036801	7.4	491
436	Designer Dirac fermions and topological phases in molecular graphene. <i>Nature</i> , <b>2012</b> , 483, 306-10	50.4	481
435	Non-Fermi liquid behavior of electrons in the half-filled honeycomb lattice (A renormalization group approach). <i>Nuclear Physics B</i> , <b>1994</b> , 424, 595-618	2.8	453
434	Electronic transport in graphene: A semiclassical approach including midgap states. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	442
433	Impurity-induced spin-orbit coupling in graphene. <i>Physical Review Letters</i> , <b>2009</b> , 103, 026804	7.4	415
432	Plasmons and screening in monolayer and multilayer black phosphorus. <i>Physical Review Letters</i> , <b>2014</b> , 113, 106802	7.4	405
431	Edge and waveguide terahertz surface plasmon modes in graphene microribbons. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	398
430	Ultrathin graphene-based membrane with precise molecular sieving and ultrafast solvent permeation. <i>Nature Materials</i> , <b>2017</b> , 16, 1198-1202	27	383
429	Substrate-limited electron dynamics in graphene. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	382
428	Marginal-Fermi-liquid behavior from two-dimensional Coulomb interaction. <i>Physical Review B</i> , <b>1999</b> , 59, R2474-R2477	3.3	364
427	Intervalley scattering, long-range disorder, and effective time-reversal symmetry breaking in graphene. <i>Physical Review Letters</i> , <b>2006</b> , 97, 196804	7.4	355
426	Surface plasmon enhanced absorption and suppressed transmission in periodic arrays of graphene ribbons. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	338
425	Artificial honeycomb lattices for electrons, atoms and photons. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 625-33	28.7	297
424	Limits on charge carrier mobility in suspended graphene due to flexural phonons. <i>Physical Review Letters</i> , <b>2010</b> , 105, 266601	7.4	297
423	Conductance quantization in mesoscopic graphene. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	289

422	Tight-binding model and direct-gap/indirect-gap transition in single-layer and multilayer MoS <sub>2</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	284
421	Local defects and ferromagnetism in graphene layers. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	283
420	Midgap states and charge inhomogeneities in corrugated graphene. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	269
419	Strain engineering in semiconducting two-dimensional crystals. <i>Journal of Physics Condensed Matter</i> , <b>2015</b> , 27, 313201	1.8	266
418	Coulomb blockade in graphene nanoribbons. <i>Physical Review Letters</i> , <b>2007</b> , 99, 166803	7.4	265
417	Electronic properties of graphene multilayers. <i>Physical Review Letters</i> , <b>2006</b> , 97, 266801	7.4	240
416	Novel effects of strains in graphene and other two dimensional materials. <i>Physics Reports</i> , <b>2016</b> , 617, 1-54	27.7	239
415	Increasing the elastic modulus of graphene by controlled defect creation. <i>Nature Physics</i> , <b>2015</b> , 11, 26-31	16.2	235
414	Electronic properties of bilayer and multilayer graphene. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	235
413	Effective two-dimensional Hamiltonian at surfaces. <i>Physical Review B</i> , <b>1983</b> , 28, 4397-4402	3.3	225
412	The electronic spectrum of fullerenes from the Dirac equation. <i>Nuclear Physics B</i> , <b>1993</b> , 406, 771-794	2.8	223
411	Generating quantizing pseudomagnetic fields by bending graphene ribbons. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	220
410	Spin-orbit-mediated spin relaxation in graphene. <i>Physical Review Letters</i> , <b>2009</b> , 103, 146801	7.4	210
409	Strain-induced pseudomagnetic field for novel graphene electronics. <i>Nano Letters</i> , <b>2010</b> , 10, 3551-4	11.5	209
408	Electron-electron interactions in graphene sheets. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	203
407	Enhanced superconductivity in atomically thin TaS <sub>2</sub> . <i>Nature Communications</i> , <b>2016</b> , 7, 11043	17.4	200
406	Unconventional Quasiparticle Lifetime in Graphite. <i>Physical Review Letters</i> , <b>1996</b> , 77, 3589-3592	7.4	199
405	Graphene spintronics: the European Flagship perspective. <i>2D Materials</i> , <b>2015</b> , 2, 030202	5.9	198

404	Existence and topological stability of Fermi points in multilayered graphene. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	198
403	Coulomb interactions and ferromagnetism in pure and doped graphene. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	198
402	Gauge field induced by ripples in graphene. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	197
401	Electron-electron interactions and the phase diagram of a graphene bilayer. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	182
400	Generation of pure bulk valley current in graphene. <i>Physical Review Letters</i> , <b>2013</b> , 110, 046601	7.4	177
399	Universal shape and pressure inside bubbles appearing in van der Waals heterostructures. <i>Nature Communications</i> , <b>2016</b> , 7, 12587	17.4	175
398	Diffusion and localization of a particle in a periodic potential coupled to a dissipative environment. <i>Physical Review Letters</i> , <b>1985</b> , 54, 263-266	7.4	173
397	Drawing conclusions from graphene. <i>Physics World</i> , <b>2006</b> , 19, 33-37	0.5	170
396	Continuum approximation to fullerene molecules. <i>Physical Review Letters</i> , <b>1992</b> , 69, 172-175	7.4	168
395	Fields radiated by a nanoemitter in a graphene sheet. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	163
394	Strong Modulation of Optical Properties in Black Phosphorus through Strain-Engineered Rippling. <i>Nano Letters</i> , <b>2016</b> , 16, 2931-7	11.5	159
393	Conductance of p-n-p graphene structures with "air-bridge" top gates. <i>Nano Letters</i> , <b>2008</b> , 8, 1995-9	11.5	155
392	Spin-flip scattering in magnetic junctions. <i>Physical Review B</i> , <b>1998</b> , 58, 9212-9216	3.3	154
391	Electron-phonon coupling and Raman spectroscopy in graphene. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	151
390	Dirac-point engineering and topological phase transitions in honeycomb optical lattices. <i>New Journal of Physics</i> , <b>2008</b> , 10, 103027	2.9	149
389	Electronic properties of single-layer and multilayer transition metal dichalcogenides MX <sub>2</sub> (M = Mo, W and X = S, Se). <i>Annalen Der Physik</i> , <b>2014</b> , 526, 347-357	2.6	143
388	Edge and surface states in the quantum Hall effect in graphene. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	143
387	Bosonization of a two-level system with dissipation. <i>Physical Review B</i> , <b>1985</b> , 32, 4410-4418	3.3	143

- 386 Electrostatic effects, band distortions, and superconductivity in twisted graphene bilayers. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 13174-13179<sup>11.5</sup> 138
- 385 Non-Abelian gauge potentials in graphene bilayers. *Physical Review Letters*, **2012**, 108, 216802 7.4 133
- 384 Charge distribution and screening in layered graphene systems. *Physical Review B*, **2007**, 75, 3.3 130
- 383 Orthogonality catastrophe and Kondo effect in graphene. *Physical Review B*, **2007**, 76, 3.3 130
- 382 Robustness of edge states in graphene quantum dots. *Physical Review B*, **2010**, 82, 3.3 129
- 381 Image potential states in graphene. *Physical Review B*, **2009**, 80, 3.3 129
- 380 The Fractal Nature of Fracture. *Europhysics Letters*, **1987**, 3, 871-877 1.6 129
- 379 Pseudomagnetic fields and ballistic transport in a suspended graphene sheet. *Physical Review Letters*, **2008**, 101, 226804 7.4 127
- 378 Dirac fermion confinement in graphene. *Physical Review B*, **2006**, 73, 3.3 127
- 377 Holes and magnetic textures in the two-dimensional Hubbard model. *Physical Review B*, **1991**, 43, 6099-6108<sup>5.98</sup> 124
- 376 Electric-field screening in atomically thin layers of MoS<sub>2</sub>: the role of interlayer coupling. *Advanced Materials*, **2013**, 25, 899-903 24 122
- 375 Electronic properties of a biased graphene bilayer. *Journal of Physics Condensed Matter*, **2010**, 22, 175503.8 121
- 374 Localized states at zigzag edges of bilayer graphene. *Physical Review Letters*, **2008**, 100, 026802 7.4 121
- 373 Resonant plasmonic effects in periodic graphene antidot arrays. *Applied Physics Letters*, **2012**, 101, 151113.4 120
- 372 Effect of cluster formation on graphene mobility. *Physical Review B*, **2010**, 81, 3.3 120
- 371 Transmission through a biased graphene bilayer barrier. *Physical Review B*, **2007**, 76, 3.3 117
- 370 Ferromagnetism in the Two Dimensional tB<sup>2</sup> Hubbard Model at the Van Hove Density. *Physical Review Letters*, **1997**, 78, 1343-1346 7.4 116
- 369 Surface electronic structure and magnetic properties of doped manganites. *Physical Review B*, **1999**, 60, 6698-6704 3.3 116

368	Electrostatic interactions between graphene layers and their environment. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	115
367	Spatial variation of a giant spin-orbit effect induces electron confinement in graphene on Pb islands. <i>Nature Physics</i> , <b>2015</b> , 11, 43-47	16.2	110
366	Quantum spin Hall effect in two-dimensional crystals of transition-metal dichalcogenides. <i>Physical Review Letters</i> , <b>2014</b> , 113, 077201	7.4	109
365	Tunable phonon-induced transparency in bilayer graphene nanoribbons. <i>Nano Letters</i> , <b>2014</b> , 14, 4581-6	11.5	109
364	Colloquium: Spintronics in graphene and other two-dimensional materials. <i>Reviews of Modern Physics</i> , <b>2020</b> , 92,	40.5	108
363	Gaps tunable by electrostatic gates in strained graphene. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	107
362	Coherent Charge Oscillations in Tunnel Junctions. <i>Europhysics Letters</i> , <b>1986</b> , 1, 585-593	1.6	103
361	Elliot-Yafet mechanism in graphene. <i>Physical Review Letters</i> , <b>2012</b> , 108, 206808	7.4	99
360	Topologically protected zero modes in twisted bilayer graphene. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	98
359	Some aspects of the phase diagram of double-exchange systems. <i>Physical Review B</i> , <b>1998</b> , 58, 9150-9155	3.3	98
358	Effect of point defects on the optical and transport properties of MoS <sub>2</sub> and WS <sub>2</sub> . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	96
357	Theory of strain in single-layer transition metal dichalcogenides. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	96
356	Hybrid Monte Carlo algorithm for the double exchange model. <i>Nuclear Physics B</i> , <b>2001</b> , 596, 587-610	2.8	96
355	Scaling relations in the equation of state, thermal expansion, and melting of metals. <i>Applied Physics Letters</i> , <b>1984</b> , 44, 53-55	3.4	96
354	Assembly of iron phthalocyanine and pentacene molecules on a graphene monolayer grown on Ru(0001). <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	93
353	Theory of 2D crystals: graphene and beyond. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 4387-4399	58.5	91
352	Scattering of electrons in graphene by clusters of impurities. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	91
351	Superconductivity in Ca-doped graphene laminates. <i>Scientific Reports</i> , <b>2016</b> , 6, 23254	4.9	87

350	Electrically Controllable Magnetism in Twisted Bilayer Graphene. <i>Physical Review Letters</i> , <b>2017</b> , 119, 107201	7.4	86
349	Integer quantum Hall effect in trilayer graphene. <i>Physical Review Letters</i> , <b>2011</b> , 107, 126806	7.4	86
348	Low temperature behavior of a tunneling atom interacting with a degenerate electron gas. <i>Physical Review Letters</i> , <b>1986</b> , 57, 2337-2340	7.4	86
347	Coupling light into graphene plasmons through surface acoustic waves. <i>Physical Review Letters</i> , <b>2013</b> , 111, 237405	7.4	84
346	Electron-hole puddles in the absence of charged impurities. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	83
345	Friction and Particle-Hole Pairs. <i>Physical Review Letters</i> , <b>1984</b> , 53, 1268-1271	7.4	80
344	Random Strain Fluctuations as Dominant Disorder Source for High-Quality On-Substrate Graphene Devices. <i>Physical Review X</i> , <b>2014</b> , 4,	9.1	77
343	Strain engineering in graphene. <i>Solid State Communications</i> , <b>2012</b> , 152, 1437-1441	1.6	75
342	Bending modes, anharmonic effects, and thermal expansion coefficient in single-layer and multilayer graphene. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	75
341	Coulomb blockade versus intergrain resistance in colossal magnetoresistive manganite granular films. <i>Physical Review B</i> , <b>2000</b> , 61, 9549-9552	3.3	75
340	Spontaneous strains and gap in graphene on boron nitride. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	74
339	Intrinsic atomic-scale modulations of the superconducting gap of $2\text{H-NbSe}_2$ . <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	74
338	Electron-electron interactions and charging effects in graphene quantum dots. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	74
337	A simple two-dimensional model for crack propagation. <i>Journal of Physics A</i> , <b>1989</b> , 22, 1393-1403		74
336	Continuum models for twisted bilayer graphene: Effect of lattice deformation and hopping parameters. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	73
335	Gauge fields, ripples and wrinkles in graphene layers. <i>Solid State Communications</i> , <b>2009</b> , 149, 1140-1143	1.6	73
334	Disorder and interaction effects in two-dimensional graphene sheets. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	72
333	Dynamics and phase transitions of Josephson junctions with dissipation due to quasiparticle tunneling. <i>Journal of Low Temperature Physics</i> , <b>1987</b> , 69, 219-243	1.3	72

332	Momentum dependence of spin-orbit interaction effects in single-layer and multi-layer transition metal dichalcogenides. <i>2D Materials</i> , <b>2014</b> , 1, 034003	5.9	71
331	Flexural mode of graphene on a substrate. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	70
330	Infrared Nanophotonics Based on Graphene Plasmonics. <i>ACS Photonics</i> , <b>2017</b> , 4, 2989-2999	6.3	70
329	Spin-orbit coupling in a graphene bilayer and in graphite. <i>New Journal of Physics</i> , <b>2010</b> , 12, 083063	2.9	70
328	Quantum capacitance measurements of electron-hole asymmetry and next-nearest-neighbor hopping in graphene. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	66
327	Electron-induced rippling in graphene. <i>Physical Review Letters</i> , <b>2011</b> , 106, 045502	7.4	65
326	Electron pumping in graphene mechanical resonators. <i>Nano Letters</i> , <b>2012</b> , 12, 850-4	11.5	64
325	Interactions and superconductivity in heavily doped MoS <sub>2</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	63
324	Two-body problem in graphene. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	63
323	Temperature-dependent resistivity in bilayer graphene due to flexural phonons. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	62
322	Phase diagram and influence of defects in the double perovskites. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	61
321	Charge states for H and He moving in an electron gas. <i>Physical Review B</i> , <b>1982</b> , 25, 6109-6125	3.3	61
320	Surface dissipation in nanoelectromechanical systems: Unified description with the standard tunneling model and effects of metallic electrodes. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	60
319	Strained Bubbles in van der Waals Heterostructures as Local Emitters of Photoluminescence with Adjustable Wavelength. <i>ACS Photonics</i> , <b>2019</b> , 6, 516-524	6.3	59
318	Fermi liquid theory of a Fermi ring. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	59
317	Gauge fields and interferometry in folded graphene. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	58
316	Localization and topological disorder. <i>Physical Review B</i> , <b>1987</b> , 35, 979-986	3.3	57
315	Dynamics of a particle in an external potential interacting with a dissipative environment. <i>Physical Review B</i> , <b>1985</b> , 32, 7518-7523	3.3	56

314	Stacking boundaries and transport in bilayer graphene. <i>Nano Letters</i> , <b>2014</b> , 14, 2052-7	11.5	55
313	Majorana Zero Modes in Graphene. <i>Physical Review X</i> , <b>2015</b> , 5,	9.1	55
312	Dynamics of polyacetylene chains. <i>Physical Review B</i> , <b>1984</b> , 30, 1884-1890	3.3	53
311	Renormalization group analysis of electrons near a van Hove singularity. <i>Europhysics Letters</i> , <b>1996</b> , 34, 711-716	1.6	51
310	Electronic properties of stacks of graphene layers. <i>Solid State Communications</i> , <b>2007</b> , 143, 116-122	1.6	51
309	Pinning of a two-dimensional membrane on top of a patterned substrate: The case of graphene. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	50
308	Band structure and gaps of triangular graphene superlattices. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2010</b> , 368, 5391-402	3	49
307	Schottky barrier formation. I. Abrupt metal-semiconductor junctions. <i>Journal of Physics C: Solid State Physics</i> , <b>1983</b> , 16, 6499-6512		49
306	Two-state system coupled to phonons: A renormalization-group analysis of the transition. <i>Physical Review B</i> , <b>1984</b> , 30, 464-466	3.3	48
305	Dissipation in graphene and nanotube resonators. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	47
304	Band structure and insulating states driven by Coulomb interaction in twisted bilayer graphene. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	47
303	Geometrical and topological aspects of graphene and related materials. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2012</b> , 45, 383001	2	46
302	Transport regimes in surface disordered graphene sheets. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	46
301	Charge States for Protons Moving in an Electron Gas. <i>Physical Review Letters</i> , <b>1981</b> , 47, 604-607	7.4	46
300	Piezoelectricity in Monolayer Hexagonal Boron Nitride. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905504	24	46
299	Synthetic electric fields and phonon damping in carbon nanotubes and graphene. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	45
298	Interactions and magnetism in graphene boundary states. <i>Physical Review Letters</i> , <b>2008</b> , 101, 036803	7.4	45
297	Models of Electron Transport in Single Layer Graphene. <i>Journal of Low Temperature Physics</i> , <b>2008</b> , 153, 359-373	1.3	45

296	Electronic band structure and pinning of Fermi energy to Van Hove singularities in twisted bilayer graphene: A self-consistent approach. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	45
295	Josephson coupling through a quantum dot. <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	43
294	Novel midinfrared plasmonic properties of bilayer graphene. <i>Physical Review Letters</i> , <b>2014</b> , 112, 116801	7.4	42
293	Pseudodiffusive magnetotransport in graphene. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	42
292	Spin relaxation times in disordered graphene. <i>European Physical Journal: Special Topics</i> , <b>2007</b> , 148, 177-181	18.5	41
291	Variational mean-field approach to the double-exchange model. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	40
290	Phase diagram of diluted magnetic semiconductor quantum wells. <i>Physical Review Letters</i> , <b>2000</b> , 85, 2384-7	4.7	40
289	Competition between spontaneous symmetry breaking and single-particle gaps in trilayer graphene. <i>Nature Communications</i> , <b>2014</b> , 5, 5656	17.4	39
288	Effect of external conditions on the structure of scrolled graphene edges. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	39
287	Effect of electron-electron interaction on the Fermi surface topology of doped graphene. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	39
286	Electronic properties of two-dimensional carbon. <i>Annals of Physics</i> , <b>2006</b> , 321, 1559-1567	2.5	39
285	Interplay between double-exchange, superexchange, and Lifshitz localization in doped manganites. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	39
284	Holes and Magnetic Textures in the Two-Dimensional Hubbard Model. <i>Europhysics Letters</i> , <b>1991</b> , 14, 157-163	16.3	39
283	Edge modes in zigzag and armchair ribbons of monolayer MoS. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 495001	1.8	38
282	Variational approach to the excitonic phase transition in graphene. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	38
281	Point-contact spectroscopy on URu <sub>2</sub> Si <sub>2</sub> . <i>Physical Review B</i> , <b>1997</b> , 55, 14318-14322	3.3	38
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