

Paolo Marconcini

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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.

36
papers

280
citations

9
h-index

15
g-index

51
ext. papers

424
ext. citations

3.5
avg, IF

3.25
L-index

#	Paper	IF	Citations
36	Atomistic boron-doped graphene field-effect transistors: a route toward unipolar characteristics. <i>ACS Nano</i> , 2012 , 6, 7942-7	16.7	47
35	Armchair graphene nanoribbons: PT-symmetry breaking and exceptional points without dissipation. <i>Physical Review B</i> , 2011 , 83,	3.3	30
34	Unraveling quantum Hall breakdown in bilayer graphene with scanning gate microscopy. <i>Nano Letters</i> , 2012 , 12, 5448-54	11.5	25
33	Huge conductance peak caused by symmetry in double quantum dots. <i>Physical Review Letters</i> , 2009 , 102, 186802	7.4	21
32	Analysis of shot noise suppression in mesoscopic cavities in a magnetic field. <i>Europhysics Letters</i> , 2006 , 73, 574-580	1.6	17
31	. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2016 , 65, 1977-1987	5.2	16
30	Approximate calculation of the potential profile in a graphene-based device. <i>IET Circuits, Devices and Systems</i> , 2015 , 9, 30-38	1.1	11
29	Symmetry-dependent transport behavior of graphene double dots. <i>Journal of Applied Physics</i> , 2013 , 114, 163708	2.5	11
28	A novel choice of the graphene unit vectors, useful in zone-folding computations. <i>Carbon</i> , 2007 , 45, 1018-1024	10.24	11
27	High-performance solution of the transport problem in a graphene armchair structure with a generic potential. <i>Physical Review E</i> , 2014 , 89, 063309	2.4	9
26	IS THE REGIME WITH SHOT NOISE SUPPRESSION BY A FACTOR 1/3 ACHIEVABLE IN SEMICONDUCTOR DEVICES WITH MESOSCOPIC DIMENSIONS?. <i>Fluctuation and Noise Letters</i> , 2012 , 11, 1240012	1.2	9
25	Envelope-Function-Based Transport Simulation of a Graphene Ribbon With an Antidot Lattice. <i>IEEE Nanotechnology Magazine</i> , 2017 , 16, 534-544	2.6	7
24	Sinc-based method for an efficient solution in the direct space of quantum wave equations with periodic boundary conditions. <i>Journal of Applied Physics</i> , 2013 , 114, 173707	2.5	6
23	A tight binding and [Formula: see text] study of monolayer stanene. <i>Scientific Reports</i> , 2017 , 7, 12069	4.9	6
22	Equivalent resistance and noise of cascaded mesoscopic cavities. <i>International Journal of Circuit Theory and Applications</i> , 2007 , 35, 295-304	2	6
21	Engineering Interband Tunneling in Nanowires With Diamond Cubic or Zincblende Crystalline Structure Based on Atomistic Modeling. <i>IEEE Nanotechnology Magazine</i> , 2013 , 12, 839-842	2.6	5
20	Tunneling enhancement through a barrier surrounded by a mesoscopic cavity. <i>Journal of Computational Electronics</i> , 2007 , 6, 203-206	1.8	5

19	Geometry-dependent conductance and noise behavior of a graphene ribbon with a series of randomly spaced potential barriers. <i>Journal of Applied Physics</i> , 2019 , 125, 244302	2.5	4
18	Hierarchical simulation of transport in silicon nanowire transistors. <i>Journal of Computational Electronics</i> , 2008 , 7, 415-418	1.8	4
17	Effect of the Channel Length on the Transport Characteristics of Transistors Based on Boron-Doped Graphene Ribbons. <i>Materials</i> , 2018 , 11,	3.5	4
16	Shot noise suppression due to a magnetic field in disordered conductors. <i>Journal of Computational Electronics</i> , 2015 , 14, 107-113	1.8	3
15	Theoretical Comparison between the Flicker Noise Behavior of Graphene and of Ordinary Semiconductors. <i>Journal of Sensors</i> , 2020 , 2020, 1-11	2	3
14	Origin of Shot Noise in Mesoscopic Cavities. <i>Fluctuation and Noise Letters</i> , 2016 , 15, 1640006	1.2	3
13	Numerical Techniques for the Evaluation of Conductance and Noise in the Presence of a Perpendicular Magnetic Field. <i>Journal of Computational Electronics</i> , 2003 , 2, 387-391	1.8	3
12	Numerical analysis of the resistance behavior of an electrostatically-induced graphene double junction. <i>Journal of Computational Electronics</i> , 2015 , 14, 653-660	1.8	2
11	Improvement of the accuracy of noise measurements by the two-amplifier correlation method. <i>Review of Scientific Instruments</i> , 2013 , 84, 104702	1.7	2
10	Numerical simulation of shot noise in disordered graphene 2013 ,		2
9	Numerical Analysis of Transport Properties of Boron-Doped Graphene FETs 2009 ,		2
8	Transport simulation of armchair graphene ribbons with a generic potential in the presence of an orthogonal magnetic field 2014 ,		1
7	Optimized technique for the calculation of carbon nanotube dispersion relationships. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 1898-1904	1.6	1
6	Effect of magnetic field on shot noise in diffusive conductors and cascaded barriers. <i>Journal of Computational Electronics</i> , 2008 , 7, 272-275	1.8	1
5	Study of the Signal to Noise Ratio of a Double - Dot Magnetic Detector 2018 ,		1
4	2018 ,		1
3	Optimization of the Sensitivity of a Double-Dot Magnetic Detector. <i>Electronics (Switzerland)</i> , 2020 , 9, 1134	2.6	0
2	Tight-binding and (vec kcdot vec p) methods in carbon nanotubes: features, comparison and improvements. <i>Journal of Computational Electronics</i> , 2007 , 6, 211-214	1.8	

- 1 High-Resolution Numerical Study of Conductance and Noise Imaging of Mesoscopic Devices.
Journal of Computational Electronics, **2004**, 3, 429-433 1.8