

# Paolo Marconcini

## List of Publications by Year in Descending Order

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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	Theoretical Comparison between the Flicker Noise Behavior of Graphene and of Ordinary Semiconductors. <i>Journal of Sensors</i> , <b>2020</b> , 2020, 1-11	2	3
35	Optimization of the Sensitivity of a Double-Dot Magnetic Detector. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1134	2.6	0
34	Geometry-dependent conductance and noise behavior of a graphene ribbon with a series of randomly spaced potential barriers. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 244302	2.5	4
33	Study of the Signal to Noise Ratio of a Double - Dot Magnetic Detector <b>2018</b> ,		1
32	<b>2018</b> ,		1
31	Effect of the Channel Length on the Transport Characteristics of Transistors Based on Boron-Doped Graphene Ribbons. <i>Materials</i> , <b>2018</b> , 11,	3.5	4
30	Envelope-Function-Based Transport Simulation of a Graphene Ribbon With an Antidot Lattice. <i>IEEE Nanotechnology Magazine</i> , <b>2017</b> , 16, 534-544	2.6	7
29	A tight binding and [Formula: see text] study of monolayer stanene. <i>Scientific Reports</i> , <b>2017</b> , 7, 12069	4.9	6
28	Origin of Shot Noise in Mesoscopic Cavities. <i>Fluctuation and Noise Letters</i> , <b>2016</b> , 15, 1640006	1.2	3
27	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2016</b> , 65, 1977-1987	5.2	16
26	Shot noise suppression due to a magnetic field in disordered conductors. <i>Journal of Computational Electronics</i> , <b>2015</b> , 14, 107-113	1.8	3
25	Numerical analysis of the resistance behavior of an electrostatically-induced graphene double junction. <i>Journal of Computational Electronics</i> , <b>2015</b> , 14, 653-660	1.8	2
24	Approximate calculation of the potential profile in a graphene-based device. <i>IET Circuits, Devices and Systems</i> , <b>2015</b> , 9, 30-38	1.1	11
23	Transport simulation of armchair graphene ribbons with a generic potential in the presence of an orthogonal magnetic field <b>2014</b> ,		1
22	High-performance solution of the transport problem in a graphene armchair structure with a generic potential. <i>Physical Review E</i> , <b>2014</b> , 89, 063309	2.4	9
21	Improvement of the accuracy of noise measurements by the two-amplifier correlation method. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 104702	1.7	2
20	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> , <b>2013</b> , 114, 173707	2.5	6

19	Numerical simulation of shot noise in disordered graphene <b>2013</b> ,		2
18	Symmetry-dependent transport behavior of graphene double dots. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 163708	2.5	11
17	Engineering Interband Tunneling in Nanowires With Diamond Cubic or Zincblende Crystalline Structure Based on Atomistic Modeling. <i>IEEE Nanotechnology Magazine</i> , <b>2013</b> , 12, 839-842	2.6	5
16	Unraveling quantum Hall breakdown in bilayer graphene with scanning gate microscopy. <i>Nano Letters</i> , <b>2012</b> , 12, 5448-54	11.5	25
15	Atomistic boron-doped graphene field-effect transistors: a route toward unipolar characteristics. <i>ACS Nano</i> , <b>2012</b> , 6, 7942-7	16.7	47
14	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> , <b>2012</b> , 11, 1240012	1.2	9
13	Armchair graphene nanoribbons: PT-symmetry breaking and exceptional points without dissipation. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	30
12	Huge conductance peak caused by symmetry in double quantum dots. <i>Physical Review Letters</i> , <b>2009</b> , 102, 186802	7.4	21
11	Numerical Analysis of Transport Properties of Boron-Doped Graphene FETs <b>2009</b> ,		2
10	Effect of magnetic field on shot noise in diffusive conductors and cascaded barriers. <i>Journal of Computational Electronics</i> , <b>2008</b> , 7, 272-275	1.8	1
9	Hierarchical simulation of transport in silicon nanowire transistors. <i>Journal of Computational Electronics</i> , <b>2008</b> , 7, 415-418	1.8	4
8	Equivalent resistance and noise of cascaded mesoscopic cavities. <i>International Journal of Circuit Theory and Applications</i> , <b>2007</b> , 35, 295-304	2	6
7	A novel choice of the graphene unit vectors, useful in zone-folding computations. <i>Carbon</i> , <b>2007</b> , 45, 1018-1024	1.2	11
6	Optimized technique for the calculation of carbon nanotube dispersion relationships. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2007</b> , 204, 1898-1904	1.6	1
5	Tight-binding and (vec kcdot vec p) methods in carbon nanotubes: features, comparison and improvements. <i>Journal of Computational Electronics</i> , <b>2007</b> , 6, 211-214	1.8	
4	Tunneling enhancement through a barrier surrounded by a mesoscopic cavity. <i>Journal of Computational Electronics</i> , <b>2007</b> , 6, 203-206	1.8	5
3	Analysis of shot noise suppression in mesoscopic cavities in a magnetic field. <i>Europhysics Letters</i> , <b>2006</b> , 73, 574-580	1.6	17
2	High-Resolution Numerical Study of Conductance and Noise Imaging of Mesoscopic Devices. <i>Journal of Computational Electronics</i> , <b>2004</b> , 3, 429-433	1.8	

- 1 Numerical Techniques for the Evaluation of Conductance and Noise in the Presence of a Perpendicular Magnetic Field. *Journal of Computational Electronics*, **2003**, 2, 387-391

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