

Romain Danneau

List of Publications by Year in descending order

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28
papers

739
citations

567281

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26
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28
all docs

28
docs citations

28
times ranked

921
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase-dependent microwave response of a graphene Josephson junction. <i>Physical Review Research</i> , 2022, 4, .	3.6	13
2	Spin and valley degrees of freedom in a bilayer graphene quantum point contact: Zeeman splitting and interaction effects. <i>Physical Review Research</i> , 2022, 4, .	3.6	0
3	Ballistic Graphene Cooper Pair Splitter. <i>Physical Review Letters</i> , 2021, 126, 147701.	7.8	18
4	Critical current fluctuations in graphene Josephson junctions. <i>Scientific Reports</i> , 2021, 11, 19900.	3.3	4
5	Anomalous Cyclotron Motion in Graphene Superlattice Cavities. <i>Physical Review Letters</i> , 2020, 125, 217701.	7.8	11
6	Electrostatic superlattices on scaled graphene lattices. <i>Communications Physics</i> , 2020, 3, .	5.3	18
7	Berry phase in superconducting multiterminal quantum dots. <i>Physical Review B</i> , 2020, 101, .	3.2	16
8	Engineering the Floquet spectrum of superconducting multiterminal quantum dots. <i>Physical Review B</i> , 2019, 100, .	3.2	19
9	Andreev reflection in ballistic normal metal/graphene/superconductor junctions. <i>Physical Review B</i> , 2019, 100, .	3.2	10
10	Investigation on Metalâ€“Oxide Graphene Field-Effect Transistors With Clamped Geometries. <i>IEEE Journal of the Electron Devices Society</i> , 2019, 7, 964-968.	2.1	1
11	Graphene Field-Effect Transistors Employing Different Thin Oxide Films: A Comparative Study. <i>ACS Omega</i> , 2019, 4, 2256-2260.	3.5	18
12	Tailoring supercurrent confinement in graphene bilayer weak links. <i>Nature Communications</i> , 2018, 9, 1722.	12.8	18
13	Valley Subband Splitting in Bilayer Graphene Quantum Point Contacts. <i>Physical Review Letters</i> , 2018, 121, 257703.	7.8	38
14	Tuning Anti-Klein to Klein Tunneling in Bilayer Graphene. <i>Physical Review Letters</i> , 2018, 121, 127706.	7.8	39
15	Layout influence on microwave performance of graphene field effect transistors. <i>Electronics Letters</i> , 2018, 54, 984-986.	1.0	6
16	High-quality Si ₃ N ₄ circuits as a platform for graphene-based nanophotonic devices. <i>Optics Express</i> , 2013, 21, 31678.	3.4	45
17	Graphene microwave transistors on sapphire substrates. <i>Applied Physics Letters</i> , 2011, 99, 113502.	3.3	42
18	Shot noise measurements in graphene. <i>Solid State Communications</i> , 2009, 149, 1050-1055.	1.9	19

#	ARTICLE	IF	CITATIONS
19	Evanescent Wave Transport and Shot Noise in Graphene: Ballistic Regime and Effect of Disorder. Journal of Low Temperature Physics, 2008, 153, 374-392.	1.4	47
20	0.7 Structure and zero bias anomaly in one-dimensional hole systems. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1501-1503.	2.7	0
21	Screening long-range Coulomb interactions in 2D hole systems using a bilayer heterostructure. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1700-1702.	2.7	1
22	Shot Noise in Ballistic Graphene. Physical Review Letters, 2008, 100, 196802.	7.8	214
23	The 0.7 anomaly in one-dimensional hole quantum wires. Journal of Physics Condensed Matter, 2008, 20, 164205.	1.8	10
24	Quantum transport in one-dimensional GaAs hole systems. International Journal of Nanotechnology, 2008, 5, 318.	0.2	1
25	Ballistic transport in one-dimensional bilayer hole systems. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 550-552.	2.7	2
26	Sliding-Induced Decoupling and Charge Transfer between the Coexisting Q1 and Q2 Charge Density Waves in NbSe ₃ . Physical Review Letters, 2004, 93, 106404.	7.8	13
27	Motional Ordering of a Charge-Density Wave in the Sliding State. Physical Review Letters, 2002, 89, 106404.	7.8	27
28	Individual Domain Wall Resistance in Submicron Ferromagnetic Structures. Physical Review Letters, 2002, 88, 157201.	7.8	89