Romain Danneau

List of Publications by Year
in descending order

28 papers	739 citations	567144 15 h-index	552653 26 g-index
28 all docs	28 docs citations	28 times ranked	921 citing authors

#	Article	IF	Citations
1	Shot Noise in Ballistic Graphene. Physical Review Letters, 2008, 100, 196802.	2.9	214
2	Individual Domain Wall Resistance in Submicron Ferromagnetic Structures. Physical Review Letters, 2002, 88, 157201.	2.9	89
3	Evanescent Wave Transport and Shot Noise inÂGraphene: Ballistic Regime and Effect of Disorder. Journal of Low Temperature Physics, 2008, 153, 374-392.	0.6	47
4	High-quality Si_3N_4 circuits as a platform for graphene-based nanophotonic devices. Optics Express, 2013, 21, 31678.	1.7	45
5	Graphene microwave transistors on sapphire substrates. Applied Physics Letters, 2011, 99, 113502.	1.5	42
6	Tuning Anti-Klein to Klein Tunneling in Bilayer Graphene. Physical Review Letters, 2018, 121, 127706.	2.9	39
7	Valley Subband Splitting in Bilayer Graphene Quantum Point Contacts. Physical Review Letters, 2018, 121, 257703.	2.9	38
8	Motional Ordering of a Charge-Density Wave in the Sliding State. Physical Review Letters, 2002, 89, 106404.	2.9	27
9	Shot noise measurements in graphene. Solid State Communications, 2009, 149, 1050-1055.	0.9	19
10	Engineering the Floquet spectrum of superconducting multiterminal quantum dots. Physical Review B, 2019, 100, .	1.1	19
11	Tailoring supercurrent confinement in graphene bilayer weak links. Nature Communications, 2018, 9, 1722.	5.8	18
12	Graphene Field-Effect Transistors Employing Different Thin Oxide Films: A Comparative Study. ACS Omega, 2019, 4, 2256-2260.	1.6	18
13	Electrostatic superlattices on scaled graphene lattices. Communications Physics, 2020, 3, .	2.0	18
14	Ballistic Graphene Cooper Pair Splitter. Physical Review Letters, 2021, 126, 147701.	2.9	18
15	Berry phase in superconducting multiterminal quantum dots. Physical Review B, 2020, 101, .	1.1	16
16	Sliding-Induced Decoupling and Charge Transfer between the CoexistingQ1andQ2Charge Density Waves inNbSe3. Physical Review Letters, 2004, 93, 106404.	2.9	13
17	Phase-dependent microwave response of a graphene Josephson junction. Physical Review Research, 2022, 4, .	1.3	13
18	Anomalous Cyclotron Motion in Graphene Superlattice Cavities. Physical Review Letters, 2020, 125, 217701.	2.9	11

#	Article	IF	Citations
19	The 0.7 anomaly in one-dimensional hole quantum wires. Journal of Physics Condensed Matter, 2008, 20, 164205.	0.7	10
20	Andreev reflection in ballistic normal metal/graphene/superconductor junctions. Physical Review B, 2019, 100, .	1.1	10
21	Layout influence on microwave performance of graphene field effect transistors. Electronics Letters, 2018, 54, 984-986.	0.5	6
22	Critical current fluctuations in graphene Josephson junctions. Scientific Reports, 2021, 11, 19900.	1.6	4
23	Ballistic transport in one-dimensional bilayer hole systems. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 550-552.	1.3	2
24	Screening long-range Coulomb interactions in 2D hole systems using a bilayer heterostructure. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1700-1702.	1.3	1
25	Quantum transport in one-dimensional GaAs hole systems. International Journal of Nanotechnology, 2008, 5, 318.	0.1	1
26	Investigation on Metalâ€“Oxide Graphene Field-Effect Transistors With Clamped Geometries. IEEE Journal of the Electron Devices Society, 2019, 7, 964-968.	1.2	1
27	0.7 Structure and zero bias anomaly in one-dimensional hole systems. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1501-1503.	1.3	0
28	Spin and valley degrees of freedom in a bilayer graphene quantum point contact: Zeeman splitting and interaction effects. Physical Review Research, 2022, 4, .	1.3	0