Philippe Lafarge

List of Publications by Year
in descending order

31 papers	1,713 citations	516215 16 h-index	476904 29 g-index
32 all docs	32 docs citations	32 times ranked	1319 citing authors

#	Article	IF	Citations
1	Organicâ€“Inorganic Hybrid Interfaces for Spin Injection into Carbon Nanotubes and Graphene. Advanced Quantum Technologies, 2022, 5, .	1.8	1
2	Role of metal contacts on the electric and thermoelectric response of hBN/WSe2 based transistors. Journal of Applied Physics, 2021, 130, 185102.	1.1	3
3	Strongly Reduced Thermal Conductivity of Supported Multilayer-Graphene Nanowires. Physical Review Applied, 2020, 14, .	1.5	3
4	Giant spin signals in chemically functionalized multiwall carbon nanotubes. Science Advances, 2020, 6, eaba5494.	4.7	4
5	Molecular Junctions: Molecular Signature and Activationless Transport in Cobaltâ€Terpyridineâ€Based Molecular Junctions (Adv. Electron. Mater. 7/2020). Advanced Electronic Materials, 2020, 6, 2070033.	2.6	1
6	Molecular Signature and Activationless Transport in Cobaltâ€Terpyridineâ€Based Molecular Junctions. Advanced Electronic Materials, 2020, 6, 1901416.	2.6	27
7	Large-area in plane molecular junctions by electrografting in 10 nm metallic nanotrenches. AIP Advances, 2020, 10, .	0.6	3
8	Charge injection and transport properties of large area organic junctions based on aryl thin films covalently attached to a multilayer graphene electrode. Nanoscale Advances, 2019, 1, 414-420.	2.2	5
9	Highly Efficient Long-Range Electron Transport in a Viologen-Based Molecular Junction. Journal of the American Chemical Society, 2018, 140, 10131-10134.	6.6	54
10	Control of Rectification in Molecular Junctions: Contact Effects and Molecular Signature. Journal of the American Chemical Society, 2017, 139, 11913-11922.	6.6	61
11	Inducing injection barrier by covalent functionalization of multiwall carbon nanotubes acting as MoirÃ© crystals. Applied Physics Letters, 2016, 109, .	1.5	2
12	Probing electron-phonon excitations in molecular junctions by quantum interference. Scientific Reports, 2016, 6, 20899.	1.6	16
13	Charge transport through one-dimensional MoirÃ© crystals. Scientific Reports, 2016, 6, 19701.	1.6	19
14	Tuning the thickness of electrochemically grafted layers in large area molecular junctions. Journal of Applied Physics, 2014, 116, 114509.	1.1	16
15	Direct Observation of Large Quantum Interference Effect in Anthraquinone Solid-State Junctions. Journal of the American Chemical Society, 2013, 135, 10218-10221.	6.6	72
16	Activationless charge transport across 4.5 to 22 nm in molecular electronic junctions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5326-5330.	3.3	149
17	Organic Electrodes Based on Grafted Oligothiophene Units in Ultrathin, Large-Area Molecular Junctions. Journal of the American Chemical Society, 2012, 134, 154-157.	6.6	64
18	Cooper-Pair Pump as a Quantized Current Source. Physical Review Letters, 2008, 100, 117001.	2.9	30

#	Article	IF	Citations
19	Tunnel spectroscopy of a double superconducting island qubit. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 11-12.	1.3	0
20	Influence of charge disorder in networks of small tunnel junctions. European Physical Journal D, 1996, 46, 2361-2362.	0.4	2
21	Charge representation of a small two-dimensional Josephson-junction array in the quantum regime. Physical Review B, 1996, 54, 7380-7384.	1.1	8
22	Observation of parity-induced suppression of Josephson tunneling in the superconducting single electron transistor. Physical Review Letters, 1994, 72, 2458-2461.	2.9	182
23	Measurement of the incremental charge of a superconducting island. Physica B: Condensed Matter, 1994, 197, 500-505.	1.3	4
24	Two-electron quantization of the charge on a superconductor. Nature, 1993, 365, 422-424.	13.7	84
25	Passing electrons one by one: is a 10/sup -8/ accuracy achievable?. IEEE Transactions on Instrumentation and Measurement, 1993, 42, 324-330.	2.4	18
26	Measurement of the even-odd free-energy difference of an isolated superconductor. Physical Review Letters, 1993, 70, 994-997.	2.9	198
27	Nondivergent calculation of unwanted high-order tunneling rates in single-electron devices. Physical Review B, 1993, 48, 14309-14317.	1.1	19
28	Single-Electron Pump Based on Charging Effects. Europhysics Letters, 1992, 17, 249-254.	0.7	469
29	Single electron pump fabricated with ultrasmall normal tunnel junctions. Physica B: Condensed Matter, 1991, 169, 573-574.	1.3	168
30	Controlled transfer of single charge carriers. IEEE Transactions on Magnetics, 1991, 27, 2578-2580.	1.2	29
31	High performance room temperature p-type injection in few-layered tungsten diselenide films from cobalt and palladium contacts. Materials Research Express, 0, , .	0.8	2