

Philippe Lafarge

List of Publications by Year in descending order

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31
papers

1,713
citations

516710

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477307

29
g-index

32
all docs

32
docs citations

32
times ranked

1319
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Electron Pump Based on Charging Effects. Europhysics Letters, 1992, 17, 249-254.	2.0	469
2	Measurement of the even-odd free-energy difference of an isolated superconductor. Physical Review Letters, 1993, 70, 994-997.	7.8	198
3	Observation of parity-induced suppression of Josephson tunneling in the superconducting single electron transistor. Physical Review Letters, 1994, 72, 2458-2461.	7.8	182
4	Single electron pump fabricated with ultrasmall normal tunnel junctions. Physica B: Condensed Matter, 1991, 169, 573-574.	2.7	168
5	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.	7.1	149
6	Two-electron quantization of the charge on a superconductor. Nature, 1993, 365, 422-424.	27.8	84
7	Direct Observation of Large Quantum Interference Effect in Anthraquinone Solid-State Junctions. Journal of the American Chemical Society, 2013, 135, 10218-10221.	13.7	72
8	Organic Electrodes Based on Grafted Oligothiophene Units in Ultrathin, Large-Area Molecular Junctions. Journal of the American Chemical Society, 2012, 134, 154-157.	13.7	64
9	Control of Rectification in Molecular Junctions: Contact Effects and Molecular Signature. Journal of the American Chemical Society, 2017, 139, 11913-11922.	13.7	61
10	Highly Efficient Long-Range Electron Transport in a Viologen-Based Molecular Junction. Journal of the American Chemical Society, 2018, 140, 10131-10134.	13.7	54
11	Cooper-Pair Pump as a Quantized Current Source. Physical Review Letters, 2008, 100, 117001.	7.8	30
12	Controlled transfer of single charge carriers. IEEE Transactions on Magnetics, 1991, 27, 2578-2580.	2.1	29
13	Molecular Signature and Activationless Transport in Cobalt-Terpyridine-Based Molecular Junctions. Advanced Electronic Materials, 2020, 6, 1901416.	5.1	27
14	Nondivergent calculation of unwanted high-order tunneling rates in single-electron devices. Physical Review B, 1993, 48, 14309-14317.	3.2	19
15	Charge transport through one-dimensional Moiré crystals. Scientific Reports, 2016, 6, 19701.	3.3	19
16	Passing electrons one by one: is a 10 ⁻⁸ accuracy achievable?. IEEE Transactions on Instrumentation and Measurement, 1993, 42, 324-330.	4.7	18
17	Tuning the thickness of electrochemically grafted layers in large area molecular junctions. Journal of Applied Physics, 2014, 116, 114509.	2.5	16
18	Probing electron-phonon excitations in molecular junctions by quantum interference. Scientific Reports, 2016, 6, 20899.	3.3	16

#	ARTICLE	IF	CITATIONS
19	Charge representation of a small two-dimensional Josephson-junction array in the quantum regime. <i>Physical Review B</i> , 1996, 54, 7380-7384.	3.2	8
20	Charge injection and transport properties of large area organic junctions based on aryl thin films covalently attached to a multilayer graphene electrode. <i>Nanoscale Advances</i> , 2019, 1, 414-420.	4.6	5
21	Measurement of the incremental charge of a superconducting island. <i>Physica B: Condensed Matter</i> , 1994, 197, 500-505.	2.7	4
22	Giant spin signals in chemically functionalized multiwall carbon nanotubes. <i>Science Advances</i> , 2020, 6, eaba5494.	10.3	4
23	Strongly Reduced Thermal Conductivity of Supported Multilayer-Graphene Nanowires. <i>Physical Review Applied</i> , 2020, 14, .	3.8	3
24	Large-area in plane molecular junctions by electrografting in 10 nm metallic nanotrenches. <i>AIP Advances</i> , 2020, 10, .	1.3	3
25	Role of metal contacts on the electric and thermoelectric response of hBN/WSe ₂ based transistors. <i>Journal of Applied Physics</i> , 2021, 130, 185102.	2.5	3
26	Influence of charge disorder in networks of small tunnel junctions. <i>European Physical Journal D</i> , 1996, 46, 2361-2362.	0.4	2
27	Inducing injection barrier by covalent functionalization of multiwall carbon nanotubes acting as Moiré crystals. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	2
28	High performance room temperature p-type injection in few-layered tungsten diselenide films from cobalt and palladium contacts. <i>Materials Research Express</i> , 0, , .	1.6	2
29	Molecular Junctions: Molecular Signature and Activationless Transport in Cobalt-Terpyridine-Based Molecular Junctions (<i>Adv. Electron. Mater.</i> 7/2020). <i>Advanced Electronic Materials</i> , 2020, 6, 2070033.	5.1	1
30	Organic-Inorganic Hybrid Interfaces for Spin Injection into Carbon Nanotubes and Graphene. <i>Advanced Quantum Technologies</i> , 2022, 5, .	3.9	1
31	Tunnel spectroscopy of a double superconducting island qubit. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 18, 11-12.	2.7	0