

# Philippe Lafarge

## List of Publications by Year in descending order

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31  
papers

1,713  
citations

516710

16  
h-index

477307

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic-Inorganic Hybrid Interfaces for Spin Injection into Carbon Nanotubes and Graphene. <i>Advanced Quantum Technologies</i> , 2022, 5, .	3.9	1
2	Role of metal contacts on the electric and thermoelectric response of hBN/WSe <sub>2</sub> based transistors. <i>Journal of Applied Physics</i> , 2021, 130, 185102.	2.5	3
3	Strongly Reduced Thermal Conductivity of Supported Multilayer-Graphene Nanowires. <i>Physical Review Applied</i> , 2020, 14, .	3.8	3
4	Giant spin signals in chemically functionalized multiwall carbon nanotubes. <i>Science Advances</i> , 2020, 6, eaba5494.	10.3	4
5	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
6	Molecular Signature and Activationless Transport in Cobalt-Terpyridine-Based Molecular Junctions. <i>Advanced Electronic Materials</i> , 2020, 6, 1901416.	5.1	27
7	Large-area in plane molecular junctions by electrografting in 10 nm metallic nanotrenches. <i>AIP Advances</i> , 2020, 10, .	1.3	3
8	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
9	Highly Efficient Long-Range Electron Transport in a Viologen-Based Molecular Junction. <i>Journal of the American Chemical Society</i> , 2018, 140, 10131-10134.	13.7	54
10	Control of Rectification in Molecular Junctions: Contact Effects and Molecular Signature. <i>Journal of the American Chemical Society</i> , 2017, 139, 11913-11922.	13.7	61
11	Inducing injection barrier by covalent functionalization of multiwall carbon nanotubes acting as Moiré crystals. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	2
12	Probing electron-phonon excitations in molecular junctions by quantum interference. <i>Scientific Reports</i> , 2016, 6, 20899.	3.3	16
13	Charge transport through one-dimensional Moiré crystals. <i>Scientific Reports</i> , 2016, 6, 19701.	3.3	19
14	Tuning the thickness of electrochemically grafted layers in large area molecular junctions. <i>Journal of Applied Physics</i> , 2014, 116, 114509.	2.5	16
15	Direct Observation of Large Quantum Interference Effect in Anthraquinone Solid-State Junctions. <i>Journal of the American Chemical Society</i> , 2013, 135, 10218-10221.	13.7	72
16	Activationless charge transport across 4.5 to 22 nm in molecular electronic junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5326-5330.	7.1	149
17	Organic Electrodes Based on Grafted Oligothiophene Units in Ultrathin, Large-Area Molecular Junctions. <i>Journal of the American Chemical Society</i> , 2012, 134, 154-157.	13.7	64
18	Cooper-Pair Pump as a Quantized Current Source. <i>Physical Review Letters</i> , 2008, 100, 117001.	7.8	30

#	ARTICLE	IF	CITATIONS
19	Tunnel spectroscopy of a double superconducting island qubit. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 11-12.	2.7	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.	3.2	8
22	Observation of parity-induced suppression of Josephson tunneling in the superconducting single electron transistor. Physical Review Letters, 1994, 72, 2458-2461.	7.8	182
23	Measurement of the incremental charge of a superconducting island. Physica B: Condensed Matter, 1994, 197, 500-505.	2.7	4
24	Two-electron quantization of the charge on a superconductor. Nature, 1993, 365, 422-424.	27.8	84
25	Passing electrons one by one: is a $10^{-8}$ accuracy achievable?. IEEE Transactions on Instrumentation and Measurement, 1993, 42, 324-330.	4.7	18
26	Measurement of the even-odd free-energy difference of an isolated superconductor. Physical Review Letters, 1993, 70, 994-997.	7.8	198
27	Nondivergent calculation of unwanted high-order tunneling rates in single-electron devices. Physical Review B, 1993, 48, 14309-14317.	3.2	19
28	Single-Electron Pump Based on Charging Effects. Europhysics Letters, 1992, 17, 249-254.	2.0	469
29	Single electron pump fabricated with ultrasmall normal tunnel junctions. Physica B: Condensed Matter, 1991, 169, 573-574.	2.7	168
30	Controlled transfer of single charge carriers. IEEE Transactions on Magnetics, 1991, 27, 2578-2580.	2.1	29
31	High performance room temperature p-type injection in few-layered tungsten diselenide films from cobalt and palladium contacts. Materials Research Express, 0, , .	1.6	2