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List of Publications by Year in descending order

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33 papers	1,721 citations	430874 18 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	2075 citing authors

#	Article	IF	Citations
1	One-Way Optoelectronic Switching of Photochromic Molecules on Gold. Physical Review Letters, 2003, 91, 207402.	7.8	522
2	Large tunable image-charge effects in single-molecule junctions. Nature Nanotechnology, 2013, 8, 282-287.	31.5	258
3	Large negative differential conductance in single-molecule break junctions. Nature Nanotechnology, 2014, 9, 830-834.	31.5	170
4	Global and local measures of the intrinsic Josephson coupling in Tl2Ba2CuO6 as a test of the interlayer tunnelling model. Nature, 1998, 395, 360-362.	27.8	104
5	Temperature Gating of the Ringâ€Opening Process in Diarylethene Molecular Switches. Advanced Materials, 2007, 19, 2898-2902.	21.0	102
6	Mechanics of lithographically defined break junctions. Physical Review B, 2005, 71, .	3.2	61
7	Influence of the Chemical Structure on the Stability and Conductance of Porphyrin Singleâ€Molecule Junctions. Angewandte Chemie - International Edition, 2011, 50, 11223-11226.	13.8	56
8	Observation of the Transverse Optical Plasmon inSmLa0.8Sr0.2CuO4â^Î´. Physical Review Letters, 2001, 86, 4144-4147.	7.8	45
9	Direct conductance measurements of short single DNA molecules in dry conditions. Nanotechnology, 2009, 20, 115502.	2.6	44
10	Systematics ofc-axis phonons in the thallium- and bismuth-based cuprate superconductors. Physical Review B, 1999, 60, 13196-13205.	3.2	32
11	Charge transport in a zincâ€“porphyrin single-molecule junction. Beilstein Journal of Nanotechnology, 2011, 2, 714-719.	2.8	31
12	Unravelling the conductance path through single-porphyrin junctions. Chemical Science, 2019, 10, 8299-8305.	7.4	30
13	Controlled Stability of Molecular Junctions. Angewandte Chemie - International Edition, 2009, 48, 8273-8276.	13.8	29
14	Effects of Vortex Pinning and Thermal Fluctuations on the Josephson Plasma Resonance inTl2Ba2CaCu2O8andYBa2Cu3O6.5. Physical Review Letters, 2001, 86, 4660-4663.	7.8	22
15	Porphyrins as building blocks for single-molecule devices. Nanoscale, 2021, 13, 15500-15525.	5.6	22
16	Molecular Switches Get Wired: Synthesis of Diarylethenes Containing One or Two Sulphurs. Molecular Crystals and Liquid Crystals, 2005, 430, 205-210.	0.9	18
17	Multiscale Approach to the Study of the Electronic Properties of Two Thiophene Curcuminoid Molecules. Chemistry - A European Journal, 2016, 22, 12808-12818.	3.3	18
18	Mechanical Tuning of Throughâ€Molecule Conductance in a Conjugated Calix[4]pyrrole. ChemistrySelect, 2018, 3, 6473-6478.	1.5	18

#	Article	IF	Citations
19	c-axis penetration depth and interlayer conductivity in the thallium-based cuprate superconductors. Physical Review B, 1999, 60, R15051-R15054.	3.2	16
20	Electric-field induced bistability in single-molecule conductance measurements for boron coordinated curcuminoid compounds. Chemical Science, 2018, 9, 6988-6996.	7.4	16
21	Image effects in transport at metal-molecule interfaces. Journal of Chemical Physics, 2015, 143, 174106.	3.0	15
22	Magnetic Field Dependence of the Transverse Plasmon inSmLa0.8Sr0.2CuO4â^Ί. Physical Review Letters, 2001, 87, 177003.	7.8	10
23	Mechanical conductance tunability of a porphyrinâ€“cyclophane single-molecule junction. Nanoscale, 2022, 14, 984-992.	5.6	10
24	C-axis optical properties of high Tc cuprates. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1531-1534.	1.2	8
25	Mechanical compression in cofacial porphyrin cyclophane pincers. Chemical Science, 2022, 13, 8017-8024.	7.4	7
26	Mechanical Fixation by Porphyrin Connection: Synthesis and Transport Studies of a Bicyclic Dimer. Journal of Organic Chemistry, 2020, 85, 118-128.	3.2	6
27	Single-Molecule Transport of Fullerene-Based Curcuminoids. Journal of Physical Chemistry C, 2020, 124, 2698-2704.	3.1	6
28	Synthesis and Transport Studies of a Cofacial Porphyrin Cyclophane. Journal of Organic Chemistry, 2020, 85, 15072-15081.	3.2	5
29	Current-induced nanogap formation and graphitization in boron-doped diamond films. Applied Physics Letters, 2012, 101, 193106.	3.3	4
30	Plasmon DOS in layered systems: two layers per unit cell. Physica C: Superconductivity and Its Applications, 1999, 317-318, 554-557.	1.2	3
31	Charge Transport through a Single Molecule of trans-1-bis-Diazofluorene [60]fullerene. Chemistry of Materials, 2017, 29, 7305-7312.	6.7	3
32	Trapping and electrical characterization of single core/shell iron-based nanoparticles in self-aligned nanogaps. Applied Physics Letters, 2019, 115, 063104.	3.3	3
33	Interlayer tunneling mechanism: experimental test of single-layer compounds. , 1998, , .		2