Brunetto Cortigiani

List of Publications by Year
in descending order

19 papers	576 citations	687363 13 h-index	794594 19 g-index
19 all docs	19 docs citations	19 times ranked	1193 citing authors

#	Article	IF	Citations
1	Temperature and pH sensors based on graphenic materials. Biosensors and Bioelectronics, 2017, 91, 870-877.	10.1	83
2	Magnetic Bistability in a Submonolayer of Sublimated Fe₄ Single-Molecule Magnets. Nano Letters, 2015, 15, 535-541.	9.1	63
3	Quantum dynamics of a single molecule magnet on superconducting Pb(111). Nature Materials, 2020, 19, 546-551.	27.5	62
4	Magnetism of TbPc2 SMMs on ferromagnetic electrodes used in organic spintronics. Chemical Communications, 2013, 49, 11506.	4.1	53
5	Thermal and optical control of electronic states in a single layer of switchable paramagnetic molecules. Chemical Science, 2015, 6, 2268-2274.	7.4	46
6	Tuning of a Vertical Spin Valve with a Monolayer of Single Molecule Magnets. Advanced Functional Materials, 2017, 27, 1703600.	14.9	34
7	Magnetic bistability of a TbPc2 submonolayer on a graphene/SiC(0001) conductive electrode. Nanoscale, 2018, 10, 2715-2720.	5.6	32
8	Vanadyl phthalocyanines on graphene/SiC(0001): toward a hybrid architecture for molecular spin qubits. Nanoscale Horizons, 2019, 4, 1202-1210.	8.0	32
9	Thermal and light-induced spin transition in a nanometric film of a new high-vacuum processable spin crossover complex. Journal of Materials Chemistry C, 2018, 6, 8885-8889.	5.5	31
10	Room temperature amine sensors enabled by sidewall functionalization of single-walled carbon nanotubes. RSC Advances, 2018, 8, 5578-5585.	3.6	30
11	Low-Temperature Magnetic Force Microscopy on Single Molecule Magnet-Based Microarrays. Nano Letters, 2017, 17, 1899-1905.	9.1	28
12	A Combined Ion Scattering, Photoemission, and DFT Investigation on the Termination Layer of a La_{0.7}Sr_{0.3}MnO₃ Spin Injecting Electrode. Journal of Physical Chemistry C, 2014, 118, 13631-13637.	3.1	23
13	Surface effects on a photochromic spin-crossover iron(ii) molecular switch adsorbed on highly oriented pyrolytic graphite. Nanoscale, 2019, 11, 20006-20014.	5.6	20
14	A TbPc₂ sub-monolayer deposit on a titanium dioxide ultrathin film: magnetic, morphological, and chemical insights. Journal of Materials Chemistry C, 2021, 9, 15011-15017.	5.5	9
15	UHV deposition and characterization of a mononuclear iron(III) Î²-diketonate complex on Au(111). Beilstein Journal of Nanotechnology, 2014, 5, 2139-2148.	2.8	8
16	Magnetic molecules as local sensors of topological hysteresis of superconductors. Nature Communications, 2022, 13, .	12.8	8
17	Unraveling the mechanism of the one-pot synthesis of exchange coupled Co-based nano-heterostructures with a high energy product. Nanoscale, 2020, 12, 14076-14086.	5.6	6
18	Quasi-Hexagonal to Lepidocrocite-like Transition in TiO2 Ultrathin Films on Cu(001). Journal of Physical Chemistry C, 2021, 125, 10621-10630.	3.1	4

#	Article	IF	Citations
19	Substrate mediated interaction of terbium(<scp>iii</scp>) double-deckers with the TiO₂(110) surface. Physical Chemistry Chemical Physics, 2021, 23, 12060-12067.	2.8	4