

Philippe Saintavit

List of Publications by Year in descending order

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53
papers

3,309
citations

186265

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175258

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docs citations

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times ranked

3763
citing authors

#	ARTICLE	IF	CITATIONS
1	XAS and XMCD Reveal a Cobalt(II) Imide Undergoes High-Pressure-Induced Spin Crossover. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5784-5792.	3.1	4
2	Magnetic molecules as local sensors of topological hysteresis of superconductors. <i>Nature Communications</i> , 2022, 13, .	12.8	8
3	Robust magnetic anisotropy of a monolayer of hexacoordinate Fe(II) complexes assembled on Cu(111). <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2395-2404.	6.0	9
4	A TbPc ₂ sub-monolayer deposit on a titanium dioxide ultrathin film: magnetic, morphological, and chemical insights. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15011-15017.	5.5	9
5	Thermal Bistability of an Ultrathin Film of Iron(II) Spin-Crossover Molecules Directly Adsorbed on a Metal Surface. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6152-6158.	4.6	26
6	Magnetic Hysteresis in a Monolayer of Oriented 6 nm CsNiCr Prussian Blue Analogue Nanocrystals. <i>Inorganic Chemistry</i> , 2021, 60, 16388-16396.	4.0	0
7	Engineering Chemisorption of Fe ₄ Single-Molecule Magnets on Gold. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101182.	3.7	7
8	Bad neighbour, good neighbour: how magnetic dipole interactions between soft and hard ferrimagnetic nanoparticles affect macroscopic magnetic properties in ferrofluids. <i>Nanoscale</i> , 2020, 12, 11222-11231.	5.6	8
9	Quantum dynamics of a single molecule magnet on superconducting Pb(111). <i>Nature Materials</i> , 2020, 19, 546-551.	27.5	62
10	Anomalous Light-Induced Spin-State Switching for Iron(II) Spin-Crossover Molecules in Direct Contact with Metal Surfaces. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13341-13346.	13.8	34
11	Anomalous Light-Induced Spin-State Switching for Iron(II) Spin-Crossover Molecules in Direct Contact with Metal Surfaces. <i>Angewandte Chemie</i> , 2020, 132, 13443-13448.	2.0	3
12	Surface effects on a photochromic spin-crossover iron(ii) molecular switch adsorbed on highly oriented pyrolytic graphite. <i>Nanoscale</i> , 2019, 11, 20006-20014.	5.6	20
13	Small CoFe ₂ O ₄ magnetic nanoparticles in ferrofluids, influence of the synthesis on the magnetic anisotropies. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 226-231.	2.3	14
14	Atomic Scale Evidence of the Switching Mechanism in a Photomagnetic CoFe Dinuclear Prussian Blue Analogue. <i>Journal of the American Chemical Society</i> , 2019, 141, 3470-3479.	13.7	43
15	Magnetic anisotropies and cationic distribution in CoFe ₂ O ₄ nanoparticles prepared by co-precipitation route: Influence of particle size and stoichiometry. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 243-252.	2.3	43
16	Self-Assembly of TbPc ₂ Single-Molecule Magnets on Surface through Multiple Hydrogen Bonding. <i>Small</i> , 2018, 14, 1702572.	10.0	17
17	Temperature-, Light-, and Soft X-ray-Induced Spin Crossover in a Single Layer of Fe ^{II} -Pyrazolylborate Molecules in Direct Contact with Gold. <i>Journal of Physical Chemistry C</i> , 2018, 122, 727-731.	3.1	35
18	Weak Ferromagnetic Interaction at the Surface of the Ferrimagnetic Rb ₂ Co ₄ [Fe(CN) ₆] ₃ ·11H ₂ O Photoexcited State. <i>Inorganic Chemistry</i> , 2018, 57, 7610-7619.	4.0	13

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19	Proof of Principle: Immobilisation of Robust $\text{Cu}^{\text{II}}\text{Tb}^{\text{III}}$ -Macrocycles on Small, Suitably Pre-functionalised Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2017, 23, 2480-2480.	3.3	0
20	Low-Temperature Magnetic Force Microscopy on Single Molecule Magnet-Based Microarrays. <i>Nano Letters</i> , 2017, 17, 1899-1905.	9.1	28
21	Tuning of a Vertical Spin Valve with a Monolayer of Single Molecule Magnets. <i>Advanced Functional Materials</i> , 2017, 27, 1703600.	14.9	34
22	Nanoscale Distribution of Magnetic Anisotropies in Bimagnetic Soft Core-Hard Shell $\text{MnFe}_2\text{O}_4/\text{CoFe}_2\text{O}_4$ Nanoparticles. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700599.	3.7	19
23	Proof of Principle: Immobilisation of Robust $\text{Cu}^{\text{II}}\text{Tb}^{\text{III}}$ -Macrocycles on Small, Suitably Pre-functionalised Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2017, 23, 2517-2521.	3.3	14
24	Molecular Order in Buried Layers of TbPc_2 Single-Molecule Magnets Detected by Torque Magnetometry. <i>Advanced Materials</i> , 2016, 28, 6946-6951.	21.0	22
25	Large Orbital Magnetic Moment Measured in the $[\text{TpFe}^{\text{III}}(\text{CN})_3]^{\text{+}}$ Precursor of Photomagnetic Molecular Prussian Blue Analogues. <i>Inorganic Chemistry</i> , 2016, 55, 6980-6987.	4.0	11
26	Engineering the magnetic coupling and anisotropy at the molecule-magnetic surface interface in molecular spintronic devices. <i>Nature Communications</i> , 2016, 7, 13646.	12.8	41
27	Controlled cobalt doping in the spinel structure of magnetosome magnetite: new evidences from element- and site-specific X-ray magnetic circular dichroism analyses. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20160355.	3.4	36
28	X-ray magnetic circular dichroism measured at the FeK-edge with a reduced intrinsic broadening: x-ray absorption spectroscopy versus resonant inelastic x-ray scattering measurements. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 505202.	1.8	3
29	Enhancing the magnetic anisotropy of maghemite nanoparticles via the surface coordination of molecular complexes. <i>Nature Communications</i> , 2015, 6, 10139.	12.8	39
30	Thermal and optical control of electronic states in a single layer of switchable paramagnetic molecules. <i>Chemical Science</i> , 2015, 6, 2268-2274.	7.4	46
31	Magnetic Bistability in a Submonolayer of Sublimated Fe_4 Single-Molecule Magnets. <i>Nano Letters</i> , 2015, 15, 535-541.	9.1	63
32	Direct evidence for an interdiffused intermediate layer in bi-magnetic core-shell nanoparticles. <i>Nanoscale</i> , 2014, 6, 11911-11920.	5.6	46
33	Tetrairon(III) Single-Molecule Magnet Monolayers on Gold: Insights from ToF-SIMS and Isotopic Labeling. <i>Langmuir</i> , 2014, 30, 8645-8649.	3.5	21
34	Magnetic behaviour of TbPc_2 single-molecule magnets chemically grafted on silicon surface. <i>Nature Communications</i> , 2014, 5, 4582.	12.8	115
35	Magnetic and Spectroscopic Investigation of Thermally and Optically Driven Valence Tautomerism in Thioether-Bridged Dinuclear Cobalt-Dioxolene Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 11798-11805.	4.0	55
36	On-Surface Magnetometry: The Evaluation of Superexchange Coupling Constants in Surface-Wired Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2013, 19, 16902-16905.	3.3	18

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37	Magnetic Anisotropy of Cyanide-Bridged Core and Core-Shell Coordination Nanoparticles Probed by X-ray Magnetic Circular Dichroism. Chemistry - A European Journal, 2013, 19, 6685-6694.	3.3	20
38	Temperature- and Light-Induced Spin Crossover Observed by X-ray Spectroscopy on Isolated Fe(II) Complexes on Gold. Journal of Physical Chemistry Letters, 2013, 4, 1546-1552.	4.6	144
39	X-ray magnetic circular dichroism provides strong evidence for tetrahedral iron in ferrihydrite. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	36
40	Chemical strategies and characterization tools for the organization of single molecule magnets on surfaces. Chemical Society Reviews, 2011, 40, 3076.	38.1	247
41	Spin Structure of Surface-Supported Single-Molecule Magnets from Isomorphous Replacement and X-ray Magnetic Circular Dichroism. Inorganic Chemistry, 2011, 50, 2911-2917.	4.0	47
42	X-Ray Detected Magnetic Hysteresis of Thermally Evaporated Terbium Double-Decker Oriented Films. Advanced Materials, 2010, 22, 5488-5493.	21.0	122
43	Soft-X-ray-Induced Redox Isomerism in a Cobalt Dioxolene Complex. Angewandte Chemie - International Edition, 2010, 49, 1954-1957.	13.8	89
44	Strong K -edge Magnetic Circular Dichroism Observed in Photon-in-Photon-out Spectroscopy. Physical Review Letters, 2010, 105, 037202.	7.8	39
45	X-Ray Magnetic Circular Dichroism Picks out Single-Molecule Magnets Suitable for Nanodevices. Advanced Materials, 2009, 21, 167-171.	21.0	83
46	X-ray Absorption Spectroscopy as a Probe of Photo- and Thermally Induced Valence Tautomeric Transition in a 1:1 Cobalt-Dioxolene Complex. ChemPhysChem, 2009, 10, 2090-2095.	2.1	21
47	Magnetic memory of a single-molecule quantum magnet wired to a gold surface. Nature Materials, 2009, 8, 194-197.	27.5	999
48	XAS and XMCD Investigation of Mn Monolayers on Gold. Chemistry - A European Journal, 2008, 14, 7530-7535.	3.3	122
49	X-ray linear dichroism in cubic compounds: The case of Cr	3.2	50
50	Biogenic vs. abiogenic magnetite nanoparticles: A XMCD study. American Mineralogist, 2008, 93, 880-885.	1.9	63
51	Remnant magnetization of Fe ₈ high-spin molecules: X-ray magnetic circular dichroism at 300 mK. Journal of Applied Physics, 2007, 101, 113920.	2.5	32
52	Photoinduced Ferrimagnetic Systems in Prussian Blue Analogues Cl _x Co ₄ [Fe(CN) ₆] _y (Cl= Alkali Cation). 2. X-ray Absorption Spectroscopy of the Metastable State. Journal of the American Chemical Society, 2000, 122, 6653-6658.	13.7	205
53	Analytic calculation of the spin sum rule at the L _{2,3} edges of Cu ²⁺ . Physical Review B, 1995, 52, 12766-12769.	3.2	20