

# Philippe Saintavit

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2083393/publications.pdf>

Version: 2024-02-01

53  
papers

3,309  
citations

186265

28  
h-index

175258

52  
g-index

55  
all docs

55  
docs citations

55  
times ranked

3763  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic memory of a single-molecule quantum magnet wired to a gold surface. <i>Nature Materials</i> , 2009, 8, 194-197.	27.5	999
2	Chemical strategies and characterization tools for the organization of single molecule magnets on surfaces. <i>Chemical Society Reviews</i> , 2011, 40, 3076.	38.1	247
3	Photoinduced Ferrimagnetic Systems in Prussian Blue Analogues $\text{Cl}_x\text{Co}_4[\text{Fe}(\text{CN})_6]_y(\text{Cl}^- \text{ Alkali Cation})$ . 2. X-ray Absorption Spectroscopy of the Metastable State. <i>Journal of the American Chemical Society</i> , 2000, 122, 6653-6658.	13.7	205
4	Temperature- and Light-Induced Spin Crossover Observed by X-ray Spectroscopy on Isolated Fe(II) Complexes on Gold. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1546-1552.	4.6	144
5	XAS and XMCD Investigation of $\text{Mn}^{12}$ Monolayers on Gold. <i>Chemistry - A European Journal</i> , 2008, 14, 7530-7535.	3.3	122
6	X-ray Detected Magnetic Hysteresis of Thermally Evaporated Terbium Double-Decker Oriented Films. <i>Advanced Materials</i> , 2010, 22, 5488-5493.	21.0	122
7	Magnetic behaviour of $\text{TbPc}_2$ single-molecule magnets chemically grafted on silicon surface. <i>Nature Communications</i> , 2014, 5, 4582.	12.8	115
8	Soft X-ray Induced Redox Isomerism in a Cobalt Dioxolene Complex. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1954-1957.	13.8	89
9	X-ray Magnetic Circular Dichroism Picks out Single-Molecule Magnets Suitable for Nanodevices. <i>Advanced Materials</i> , 2009, 21, 167-171.	21.0	83
10	Biogenic vs. abiogenic magnetite nanoparticles: A XMCD study. <i>American Mineralogist</i> , 2008, 93, 880-885.	1.9	63
11	Magnetic Bistability in a Submonolayer of Sublimated $\text{Fe}_4$ Single-Molecule Magnets. <i>Nano Letters</i> , 2015, 15, 535-541.	9.1	63
12	Quantum dynamics of a single molecule magnet on superconducting Pb(111). <i>Nature Materials</i> , 2020, 19, 546-551.	27.5	62
13	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
14	X-ray linear dichroism in cubic compounds: The case of $\text{Cr}^{3+}$ $\frac{\chi_{xx} - \chi_{yy}}{\chi_{zz}}$	3.2	50
15	Spin Structure of Surface-Supported Single-Molecule Magnets from Isomorphous Replacement and X-ray Magnetic Circular Dichroism. <i>Inorganic Chemistry</i> , 2011, 50, 2911-2917.	4.0	47
16	Direct evidence for an interdiffused intermediate layer in bi-magnetic core-shell nanoparticles. <i>Nanoscale</i> , 2014, 6, 11911-11920.	5.6	46
17	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
18	Magnetic anisotropies and cationic distribution in $\text{CoFe}_2\text{O}_4$ 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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Strong $K$ -edge Magnetic Circular Dichroism Observed in Photon-in-Photon-out Spectroscopy. <i>Physical Review Letters</i> , 2010, 105, 037202.	7.8	39
22	Enhancing the magnetic anisotropy of maghemite nanoparticles via the surface coordination of molecular complexes. <i>Nature Communications</i> , 2015, 6, 10139.	12.8	39
23	X-ray magnetic circular dichroism provides strong evidence for tetrahedral iron in ferrihydrite. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	36
24	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
25	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
26	Tuning of a Vertical Spin Valve with a Monolayer of Single Molecule Magnets. <i>Advanced Functional Materials</i> , 2017, 27, 1703600.	14.9	34
27	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
28	Remnant magnetization of $Fe_8$ high-spin molecules: X-ray magnetic circular dichroism at 300 mK. <i>Journal of Applied Physics</i> , 2007, 101, 113920.	2.5	32
29	Low-Temperature Magnetic Force Microscopy on Single Molecule Magnet-Based Microarrays. <i>Nano Letters</i> , 2017, 17, 1899-1905.	9.1	28
30	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
31	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
32	X-ray Absorption Spectroscopy as a Probe of Photo- and Thermally Induced Valence Tautomeric Transition in a 1:1 Cobalt-Dioxolene Complex. <i>ChemPhysChem</i> , 2009, 10, 2090-2095.	2.1	21
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	Analytic calculation of the spin sum rule at the $L_{2,3}$ edges of $Cu^{2+}$ . <i>Physical Review B</i> , 1995, 52, 12766-12769.	3.2	20
35	Magnetic Anisotropy of Cyanide-Bridged Core and Core-Shell Coordination Nanoparticles Probed by X-ray Magnetic Circular Dichroism. <i>Chemistry - A European Journal</i> , 2013, 19, 6685-6694.	3.3	20
36	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

#	ARTICLE	IF	CITATIONS
37	Nanoscale Distribution of Magnetic Anisotropies in Bimagnetic Soft Core–Hard Shell MnFe <sub>2</sub> O <sub>4</sub> @CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700599.	3.7	19
38	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
39	Self–Assembly of TbPc <sub>2</sub> Single–Molecule Magnets on Surface through Multiple Hydrogen Bonding. <i>Small</i> , 2018, 14, 1702572.	10.0	17
40	Proof of Principle: Immobilisation of Robust Cu <sup>II</sup> <sub>3</sub> Tb <sup>III</sup> –Macrocycles on Small, Suitably Pre–functionalised Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2017, 23, 2517-2521.	3.3	14
41	Small CoFe <sub>2</sub> O <sub>4</sub> 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
42	Weak Ferromagnetic Interaction at the Surface of the Ferrimagnetic Rb <sub>2</sub> Co <sub>4</sub> [Fe(CN) <sub>6</sub> ] <sub>3.3</sub> ·11H <sub>2</sub> O Photoexcited State. <i>Inorganic Chemistry</i> , 2018, 57, 7610-7619.	4.0	13
43	Large Orbital Magnetic Moment Measured in the [TpFe <sup>III</sup> (CN) <sub>3</sub> ] <sup>+</sup> Precursor of Photomagnetic Molecular Prussian Blue Analogues. <i>Inorganic Chemistry</i> , 2016, 55, 6980-6987.	4.0	11
44	Robust magnetic anisotropy of a monolayer of hexacoordinate Fe( <sup>ii</sup> ) complexes assembled on Cu(111). <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2395-2404.	6.0	9
45	A TbPc <sub>2</sub> 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
46	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
47	Magnetic molecules as local sensors of topological hysteresis of superconductors. <i>Nature Communications</i> , 2022, 13, .	12.8	8
48	Engineering Chemisorption of Fe <sub>4</sub> Single–Molecule Magnets on Gold. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101182.	3.7	7
49	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
50	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
51	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
52	Proof of Principle: Immobilisation of Robust Cu <sub>3</sub> Tb <sup>III</sup> –Macrocycles on Small, Suitably Pre-functionalised Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2017, 23, 2480-2480.	3.3	0
53	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