

Kevin Bernot

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

103 papers	5,470 citations	40 h-index	73 g-index
113 ext. papers	5,867 ext. citations	6 avg, IF	5.47 L-index

#	Paper	IF	Citations
103	Microwave-assisted synthesis of lanthanide coordination polymers with 2-bromobenzoic acid as ligand from hexa-lanthanide molecular precursors. <i>Journal of Molecular Structure</i> , 2021 , 1250, 131918	3.4	0
102	Hexanuclear Molecular Precursors as Tools to Design Luminescent Coordination Polymers with Lanthanide Segregation. <i>Inorganic Chemistry</i> , 2021 , 60, 16782-16793	5.1	1
101	Solvato Modulation of the Magnetic Memory in Isotopically Enriched Erbium Polyoxometalate. <i>Chemistry - A European Journal</i> , 2021 , 27, 10160-10168	4.8	0
100	Lanthanide-based molecular alloys with hydroxyterephthalate: a versatile system. <i>CrystEngComm</i> , 2021 , 23, 100-118	3.3	3
99	A Journey in Lanthanide Coordination Chemistry: From Evaporable Dimers to Magnetic Materials and Luminescent Devices. <i>Accounts of Chemical Research</i> , 2021 , 54, 427-440	24.3	20
98	Colloidal suspensions of highly luminescent lanthanide-based coordination polymer molecular alloys for ink-jet printing and tagging of technical liquids. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 2125-2135	6.8	5
97	Highly Luminescent Europium-Based Heteroleptic Coordination Polymers with Phenantroline and Glutarate Ligands. <i>Inorganic Chemistry</i> , 2021 , 60, 3707-3718	5.1	5
96	New lanthanide-based coordination polymers with 2,5-dihydroxyterephthalate. <i>Inorganica Chimica Acta</i> , 2021 , 527, 120594	2.7	2
95	Single-chain magnet behavior in a finite linear hexanuclear molecule. <i>Chemical Science</i> , 2021 , 12, 10613-10621	10.21	2
94	Sonocrystallization as an Efficient Way to Control the Size, Morphology, and Purity of Coordination Compound Microcrystallites: Application to a Single-Chain Magnet. <i>Inorganic Chemistry</i> , 2020 , 59, 9215-9226	5.1	7
93	A new series of lanthanide-based complexes with a bis(hydroxy)benzoxaborolone ligand: synthesis, crystal structure, and magnetic and optical properties. <i>CrystEngComm</i> , 2020 , 22, 2020-2030	3.3	4
92	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie</i> , 2020 , 132, 790-794	3.6	4
91	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 780-784	16.4	18
90	Hysteresis Photomodulation via Single-Crystal-to-Single-Crystal Isomerization of a Photochromic Chain of Dysprosium Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2020 , 142, 931-936	16.4	31
89	Luminescence properties of lanthanide complexes-based molecular alloys. <i>Inorganica Chimica Acta</i> , 2020 , 501, 119309	2.7	6
88	Rational Design of Dual IR and Visible Highly Luminescent Light-Lanthanides-Based Coordination Polymers. <i>Inorganic Chemistry</i> , 2020 , 59, 10673-10687	5.1	11
87	High Luminance of Heterolanthanide-Based Molecular Alloys by Phase-Induction Strategy. <i>Inorganic Chemistry</i> , 2020 , 59, 11028-11040	5.1	6

86	A new family of lanthanide-based coordination polymers with azoxybenzene-3,3',5,5'-tetracarboxylic acid as ligand. <i>Inorganica Chimica Acta</i> , 2019 , 488, 208-213	2.7	3
85	Rational engineering of dimeric Dy-based Single-Molecule Magnets for surface grafting. <i>Polyhedron</i> , 2019 , 164, 41-47	2.7	4
84	Multi-Emissive Lanthanide-Based Coordination Polymers for Potential Application as Luminescent Bar-Codes. <i>Inorganic Chemistry</i> , 2019 , 58, 2659-2668	5.1	29
83	Hetero-hexalanthanide Complexes: A New Synthetic Strategy for Molecular Thermometric Probes. <i>Inorganic Chemistry</i> , 2019 , 58, 16180-16193	5.1	7
82	Self-assembly of a terbium(III) 1D coordination polymer on mica. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 2440-2448	3	3
81	A supramolecular chain of dimeric Dy single molecule magnets decorated with azobenzene ligands. <i>Dalton Transactions</i> , 2019 , 48, 16053-16061	4.3	6
80	Microcrystalline Core-Shell Lanthanide-Based Coordination Polymers for Unprecedented Luminescent Properties. <i>Inorganic Chemistry</i> , 2019 , 58, 1317-1329	5.1	11
79	Lanthanide-Based Coordination Polymers With 1,4-Carboxyphenylboronic Ligand: Multiemissive Compounds for Multisensitive Luminescent Thermometric Probes. <i>Inorganic Chemistry</i> , 2019 , 58, 462-475	5.1	33
78	Structural diversity and photo-physical and magnetic properties of dimeric to 1D polymeric coordination polymers of lighter lanthanide(iii) dinitrobenzoates. <i>Dalton Transactions</i> , 2018 , 47, 4722-4732	4.3	18
77	Lanthanide-Based Coordination Polymers with a 4,5-Dichlorophthalate Ligand Exhibiting Highly Tunable Luminescence: Toward Luminescent Bar Codes. <i>Inorganic Chemistry</i> , 2018 , 57, 3399-3410	5.1	50
76	trans to cis photo-isomerization in merocyanine dysprosium and yttrium complexes. <i>Dalton Transactions</i> , 2018 , 47, 4139-4148	4.3	13
75	Magnetic Slow Relaxation in a Metal-Organic Framework Made of Chains of Ferromagnetically Coupled Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2018 , 24, 6983-6991	4.8	54
74	Chemical tailoring of Single Molecule Magnet behavior in films of Dy(III) dimers. <i>Applied Surface Science</i> , 2018 , 432, 7-14	6.7	16
73	Optimization of Magnetic Relaxation and Isotopic Enrichment in Dimeric Dy(III) Single-Molecule Magnets. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 326-332	2.3	22
72	Strong Magnetic Coupling and Single-Molecule-Magnet Behavior in Lanthanide-TEMPO Radical Chains. <i>Inorganic Chemistry</i> , 2018 , 57, 11044-11057	5.1	14
71	Isotope effects on the spin dynamics of single-molecule magnets probed using muon spin spectroscopy. <i>Chemical Communications</i> , 2018 , 54, 7826-7829	5.8	8
70	Closing the Circle of the Lanthanide-Murexide Series: Single-Molecule Magnet Behavior and Near-Infrared Emission of the Nd(III) Derivative. <i>Magnetochemistry</i> , 2018 , 4, 44	3.1	4
69	Lanthanide coordination polymers with 1,2-phenylenediacetate. <i>Inorganica Chimica Acta</i> , 2017 , 461, 1362-1364	2.7	3

68	High Brightness and Easy Color Modulation in Lanthanide-Based Coordination Polymers with 5-Methoxyisophthalate as Ligand: Toward Emission Colors Additive Strategy. <i>Crystal Growth and Design</i> , 2017 , 17, 1224-1234	3.5	22
67	Photo-physical properties of donor-acceptor-radical triad based on functionalized tetrathiafulvalene and nitronyl nitroxide radical. <i>Dyes and Pigments</i> , 2017 , 145, 285-293	4.6	3
66	Analysis of the Magnetic Exchange Interactions in Yttrium(III) Complexes Containing Nitronyl Nitroxide Radicals. <i>Inorganic Chemistry</i> , 2017 , 56, 6788-6801	5.1	22
65	Lanthanide-based hexa-nuclear complexes and their use as molecular precursors. <i>Coordination Chemistry Reviews</i> , 2017 , 340, 134-153	23.2	34
64	Hexalanthanide Complexes as Molecular Precursors: Synthesis, Crystal Structure, and Luminescent and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017 , 56, 14632-14642	5.1	10
63	Reversible Luminescence Modulation upon an Electric Field on a Full Solid-State Device Based on Lanthanide Dimers. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15551-6	9.5	7
62	Brightness and Color Tuning in a Series of Lanthanide-Based Coordination Polymers with Benzene-1,2,4,5-tetracarboxylic Acid as a Ligand. <i>Inorganic Chemistry</i> , 2016 , 55, 794-802	5.1	81
61	A Long Journey in Lanthanide Chemistry: From Fundamental Crystallogenes Studies to Commercial Anticounterfeiting Taggants. <i>Accounts of Chemical Research</i> , 2016 , 49, 844-56	24.3	112
60	Robust Magnetic Properties of a Sublimable Single-Molecule Magnet. <i>ACS Nano</i> , 2016 , 10, 5663-9	16.7	38
59	Highly Axial Magnetic Anisotropy in a N O Dysprosium(III) Coordination Environment Generated by a Merocyanine Ligand. <i>Chemistry - A European Journal</i> , 2016 , 22, 15222-15226	4.8	13
58	Rational Organization of Lanthanide-Based SMM Dimers into Three-Dimensional Networks. <i>Inorganic Chemistry</i> , 2015 , 54, 5213-9	5.1	54
57	A family of lanthanide-based coordination polymers with boronic Acid as ligand. <i>Inorganic Chemistry</i> , 2015 , 54, 5534-46	5.1	42
56	Lanthanides in Extended Molecular Networks 2015 , 89-124		4
55	Magnetic memory in an isotopically enriched and magnetically isolated mononuclear dysprosium complex. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1504-7	16.4	167
54	Magnetic Memory in an Isotopically Enriched and Magnetically Isolated Mononuclear Dysprosium Complex. <i>Angewandte Chemie</i> , 2015 , 127, 1524-1527	3.6	40
53	Nanometrization of Lanthanide-Based Coordination Polymers. <i>Chemistry - A European Journal</i> , 2015 , 21, 17466-73	4.8	9
52	Characterization and Luminescence Properties of Lanthanide-Based Polynuclear Complexes Nanoaggregates. <i>Inorganic Chemistry</i> , 2015 , 54, 6043-54	5.1	25
51	Extending the lanthanide terephthalate system: Isolation of an unprecedented Tb(III)-based coordination polymer with high potential porosity and luminescence properties. <i>Journal of Molecular Structure</i> , 2015 , 1086, 34-42	3.4	23

50	Unraveling the crystal structure of lanthanide-murexide complexes: use of an ancient complexometry indicator as a near-infrared-emitting single-ion magnet. <i>Chemistry - A European Journal</i> , 2014 , 20, 1569-76	4.8	47
49	Influence of photoinduced electron transfer on lanthanide-based coordination polymer luminescence: a comparison between two pseudoisorecticular molecular networks. <i>Inorganic Chemistry</i> , 2014 , 53, 1217-28	5.1	52
48	Experimental and theoretical evidence that electrostatics governs easy-axis orientation in Dy(III)-based molecular chains. <i>Chemical Communications</i> , 2014 , 50, 13346-8	5.8	49
47	Heteronuclear lanthanide-based coordination polymers exhibiting tunable multiple emission spectra. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5510	7.1	43
46	Redox modulation of magnetic slow relaxation in a 4f-based single-molecule magnet with a 4d carbon-rich ligand. <i>Inorganic Chemistry</i> , 2014 , 53, 2361-3	5.1	42
45	Influence of the supramolecular architecture on the magnetic properties of a Dy(III) single-molecule magnet: an ab initio investigation. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 2267-74 ³		21
44	Crystal structure of [Y6(β-O)(β-OH)8(H2O)24]I8·8H2O. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014 , 70, 577-9		1
43	Magnetic poles determinations and robustness of memory effect upon solubilization in a Dy(III)-based single ion magnet. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16332-5	16.4	124
42	Magnetic Anisotropy and Spin-Parity Effect Along the Series of Lanthanide Complexes with DOTA. <i>Angewandte Chemie</i> , 2013 , 125, 368-372	3.6	60
41	Synthesis, crystal structure and luminescent properties of new lanthanide-containing coordination polymers involving 4,4'-oxy-bis-benzoate as ligand. <i>CrystEngComm</i> , 2013 , 15, 706-720	3.3	41
40	Magnetic anisotropy and spin-parity effect along the series of lanthanide complexes with DOTA. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 350-4	16.4	252
39	Structural and luminescence characterizations of lanthanide-based coordination polymers involving naphthalene-1,4,5,8-tetra-carboxylate as ligand. <i>Inorganica Chimica Acta</i> , 2013 , 401, 11-18	2.7	5
38	1,2,4,5-Benzene-tetra-carboxylic acid: a versatile ligand for high dimensional lanthanide-based coordination polymers. <i>CrystEngComm</i> , 2013 , 15, 1882	3.3	46
37	Influence of ferromagnetic connection of Ising-type Dy(III)-based single ion magnets on their magnetic slow relaxation. <i>Dalton Transactions</i> , 2013 , 42, 6728-31	4.3	37
36	Coordination polymers based on heterohexanuclear rare earth complexes: toward independent luminescence brightness and color tuning. <i>Inorganic Chemistry</i> , 2013 , 52, 6720-30	5.1	78
35	Color and Brightness Tuning in Heteronuclear Lanthanide Terephthalate Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3464-3476	2.3	65
34	3D Organization of Dysprosium Cubanes. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5879-5885.3		26
33	Magnetic anisotropy in a dysprosium/DOTA single-molecule magnet: beyond simple magneto-structural correlations. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1606-10	16.4	474

32	A carbon-rich ruthenium decorated dysprosium single molecule magnet. <i>Chemical Communications</i> , 2012 , 48, 3948-50	5.8	48
31	Optical properties of composites formed by transition metal macrocyclic complexes intercalated in thiophosphate layered phases. <i>Polyhedron</i> , 2012 , 44, 187-193	2.7	7
30	Crystal packing effects on the magnetic slow relaxation of Tb(III)-nitronyl nitroxide radical cyclic dinuclear clusters. <i>Inorganic Chemistry</i> , 2012 , 51, 12218-29	5.1	84
29	Magnetic Anisotropy in a Dysprosium/DOTA Single-Molecule Magnet: Beyond Simple Magneto-Structural Correlations. <i>Angewandte Chemie</i> , 2012 , 124, 1638-1642	3.6	87
28	A luminescent and sublimable Dy(III)-based single-molecule magnet. <i>Chemistry - A European Journal</i> , 2012 , 18, 11379-87	4.8	119
27	Lanthanide Aminoisophthalate Coordination Polymers: A Promising System for Tunable Luminescent Properties. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, n/a-n/a	2.3	46
26	Croconato-containing M(III) (M = Ga, Er) complexes as potential building blocks for mono/multifunctional molecular materials. <i>Inorganica Chimica Acta</i> , 2011 , 370, 474-481	2.7	6
25	Single molecule magnet behaviour in robust dysprosium-biradical complexes. <i>Chemical Communications</i> , 2010 , 46, 6458-60	5.8	123
24	Field induced 4f5d [Re(salen)]2O3[Dy(hfac)3(H2O)]2 single molecule magnet. <i>Inorganic Chemistry</i> , 2010 , 49, 4355-61	5.1	32
23	Determination of the Nature of Exchange Interactions in the 3d \square f Magnetic Chain [[Cu(salen)Pr(hfac)3]2(L)] _n (L = 4,4'-Bipyridine, Pyrazine). <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 952-964	2.3	27
22	Magnetic anisotropy of dysprosium(III) in a low-symmetry environment: a theoretical and experimental investigation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5573-9	16.4	232
21	The canted antiferromagnetic approach to single-chain magnets. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1619-27	16.4	175
20	Spin chirality in a molecular dysprosium triangle: the archetype of the noncollinear ising model. <i>Physical Review Letters</i> , 2008 , 100, 247205	7.4	256
19	New lanthanide based coordination polymers with high potential porosity. <i>Journal of Alloys and Compounds</i> , 2008 , 451, 377-383	5.7	39
18	Delicate crystal structure changes govern the magnetic properties of 1D coordination polymers based on 3d metal carboxylates. <i>Chemistry - A European Journal</i> , 2008 , 14, 2034-43	4.8	83
17	Synthesis, Structure, Spectroscopic Studies and Magnetic Properties of the Tetrakis(5,7-dichloro-8-quinolinolato)gadolinium(III) Complex. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3820-3826	2.3	18
16	Rational enhancement of the coordination capability of Ru(III)(salen)-nitronyl nitroxide building block: A step towards 2p \square d \square d magnetic edifices. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3427-3431	2.7	7
15	Sterically-induced synthesis of 3d \square f one-dimensional compounds: A new route towards 3d \square f single chain magnets. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3997-4003	2.7	45

14	Structural and luminescent properties of micro- and nanosized particles of lanthanide terephthalate coordination polymers. <i>Inorganic Chemistry</i> , 2008 , 47, 3700-8	5.1	160
13	A rational approach to the modulation of the dynamics of the magnetisation in a dysprosium-nitronyl-nitroxide radical complex. <i>Chemical Communications</i> , 2007 , 1807-9	5.8	197
12	Effects of 3d-4f magnetic exchange interactions on the dynamics of the magnetization of Dy(III)-M(II)-Dy(III) trinuclear clusters. <i>Chemistry - A European Journal</i> , 2007 , 13, 1602-9	4.8	189
11	First NiII/III Coordination Polymers Constructed by Using [Ni(bpca)2] as a Building Block [Hbpca = bis(2-pyridylcarbonyl)amine]: Synthesis, Crystal Structures and Magnetic Properties. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 5533-5540	2.3	29
10	Solid-State Anion Guest Encapsulation by Metallosupramolecular Capsules Made from Two Tetranuclear Copper(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 4569-4573	2.3	7
9	Hetero-bimetallic yttrium(III)/thorium(V)(salen) tetranuclear complex: Synthesis and crystal structure. <i>Inorganic Chemistry Communication</i> , 2007 , 10, 471-474	3.1	8
8	[TmIII(hfac)3(NITPhOPh)]·nH2O: A new member of a lanthanide-based Single Chain Magnets family. <i>Inorganica Chimica Acta</i> , 2007 , 360, 3807-3812	2.7	89
7	Ferromagnetic interactions in Ru(III)-nitronyl nitroxide radical complex: a potential 2p4d building block for molecular magnets. <i>Dalton Transactions</i> , 2007 , 2689-95	4.3	18
6	Evidence of intermolecular π -stacking enhancement of second-harmonic generation in a family of single chain magnets. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2587-2592		71
5	Synthesis, crystal structure, and porosity estimation of hydrated erbium terephthalate coordination polymers. <i>Inorganic Chemistry</i> , 2006 , 45, 5399-406	5.1	129
4	A family of rare-earth-based single chain magnets: playing with anisotropy. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7947-56	16.4	474
3	Self-assembly and magnetic properties of a double-propeller octanuclear copper(II) complex with a meso-helicate-type metallacryptand core. <i>Chemical Communications</i> , 2004 , 920-1	5.8	28
2	Spin control in ladderlike hexanuclear copper(II) complexes with metallacyclophane cores. <i>Inorganic Chemistry</i> , 2004 , 43, 2768-70	5.1	40
1	Coordination-enhanced photochromism in dysprosium dinuclear complexes with photomodulated single-molecule magnet behavior	4, 2	