

Guillaume Calvez

List of Publications by Citations

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79
papers

2,883
citations

29
h-index

52
g-index

85
ext. papers

3,208
ext. citations

5.4
avg, IF

5.01
L-index

#	Paper	IF	Citations
79	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
78	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
77	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
76	A luminescent and sublimable Dy(III)-based single-molecule magnet. <i>Chemistry - A European Journal</i> , 2012 , 18, 11379-87	4.8	119
75	In situ 2,5-pyrazinedicarboxylate and oxalate ligands synthesis leading to a microporous europium organic framework capable of selective sensing of small molecules. <i>CrystEngComm</i> , 2010 , 12, 4372	3.3	117
74	A Long Journey in Lanthanide Chemistry: From Fundamental Crystallogenesis Studies to Commercial Anticounterfeiting Taggants. <i>Accounts of Chemical Research</i> , 2016 , 49, 844-56	24.3	112
73	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
72	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
71	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
70	Color and Brightness Tuning in Heteronuclear Lanthanide Terephthalate Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3464-3476	2.3	65
69	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
68	Adaptive Coordination-Driven Supramolecular Syntheses toward New Polymetallic Cu(I) Luminescent Assemblies. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12521-12526	16.4	56
67	Rational Organization of Lanthanide-Based SMM Dimers into Three-Dimensional Networks. <i>Inorganic Chemistry</i> , 2015 , 54, 5213-9	5.1	54
66	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
65	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
64	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
63	New Family of Porous Lanthanide-Containing Coordination Polymers: $[\text{Ln}_2(\text{C}_2\text{O}_4)_3(\text{H}_2\text{O})_6, 12\text{H}_2\text{O}]^{\square}$ with Ln = La, Ce, Pr or Y. <i>Crystal Growth and Design</i> , 2010 , 10, 775-781	3.5	49

62	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
61	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
60	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
59	Sterically-induced synthesis of 3d ^f one-dimensional compounds: A new route towards 3d ^f single chain magnets. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3997-4003	2.7	45
58	Heteronuclear lanthanide-based coordination polymers exhibiting tunable multiple emission spectra. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5510	7.1	43
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	Unprecedented lanthanide-containing coordination polymers constructed from hexanuclear molecular building blocks: {[Ln ₆ O(OH) ₈](NO ₃) ₂ (bdc)(Hbdc) ₂ [NO ₃ H]bdc]} <i>Inorganic Chemistry</i> , 2011 , 50, 2851-8	5.1	42
55	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
54	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
53	Lanthanide-based hexa-nuclear complexes and their use as molecular precursors. <i>Coordination Chemistry Reviews</i> , 2017 , 340, 134-153	23.2	34
52	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
51	Multi-Emissive Lanthanide-Based Coordination Polymers for Potential Application as Luminescent Bar-Codes. <i>Inorganic Chemistry</i> , 2019 , 58, 2659-2668	5.1	29
50	3D Organization of Dysprosium Cubanes. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5879-5885	5.3	26
49	Characterization and Luminescence Properties of Lanthanide-Based Polynuclear Complexes Nanoaggregates. <i>Inorganic Chemistry</i> , 2015 , 54, 6043-54	5.1	25
48	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
47	A New Series of Anhydrous Lanthanide-Based Octahedral Hexanuclear Complexes. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3172-3178	2.3	23
46	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
45	A family of lanthanide-containing molecular open frameworks with high porosity: [Ln(abdc)(Habdc), nH ₂ O] with Ln = La-Eu and 8 ≤ n ≤ 11. <i>Inorganica Chimica Acta</i> , 2011 , 368, 170-178	2.7	22

44	Analysis of the electrostatics in Dy(III) single-molecule magnets: the case study of Dy(Murex) ₃ . <i>Dalton Transactions</i> , 2015 , 44, 18270-5	4.3	21
43	Octahedral hexanuclear complexes involving light lanthanide ions. <i>Inorganica Chimica Acta</i> , 2008 , 361, 2349-2356	2.7	20
42	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
41	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 780-784	16.4	18
40	Intramolecular rearrangements guided by adaptive coordination-driven reactions toward highly luminescent polynuclear Cu(I) assemblies. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1334-1344	6.8	18
39	Lanthanide-based hexanuclear complexes usable as molecular precursors for new hybrid materials. <i>Comptes Rendus Chimie</i> , 2010 , 13, 715-730	2.7	17
38	Temperature identification on two 3D Mn(II) metal-organic frameworks: syntheses, adsorption and magnetism. <i>RSC Advances</i> , 2014 , 4, 20605	3.7	16
37	Strong Magnetic Coupling and Single-Molecule-Magnet Behavior in Lanthanide-TEMPO Radical Chains. <i>Inorganic Chemistry</i> , 2018 , 57, 11044-11057	5.1	14
36	Structuring effects of [Ln ₆ O(OH) ₈ (NO ₃) ₆ (H ₂ O) ₁₂] ₂₊ entities. <i>Journal of Alloys and Compounds</i> , 2008 , 451, 329-333	5.7	14
35	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
34	The first two lanthanum-containing coordination polymers involving naphthalene-1,4,5,8-tetra-carboxylate as ligand. <i>Inorganica Chimica Acta</i> , 2009 , 362, 1478-1484	2.7	11
33	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
32	Microcrystalline Core-Shell Lanthanide-Based Coordination Polymers for Unprecedented Luminescent Properties. <i>Inorganic Chemistry</i> , 2019 , 58, 1317-1329	5.1	11
31	Hexalanthanide Complexes as Molecular Precursors: Synthesis, Crystal Structure, and Luminescent and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017 , 56, 14632-14642	5.1	10
30	Nanometrization of Lanthanide-Based Coordination Polymers. <i>Chemistry - A European Journal</i> , 2015 , 21, 17466-73	4.8	9
29	Structural and Luminescence Properties of Anthracene- and Biphenyl-Based Lanthanide Bisphosphonate Ester Coordination Polymers. <i>Inorganic Chemistry</i> , 2019 , 58, 382-390	5.1	9
28	A series of chiral metal-organic frameworks based on fluorene di- and tetra-carboxylates: syntheses, crystal structures and luminescence properties. <i>CrystEngComm</i> , 2017 , 19, 2042-2056	3.3	7
27	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

26	Hetero-hexalanthanide Complexes: A New Synthetic Strategy for Molecular Thermometric Probes. <i>Inorganic Chemistry</i> , 2019 , 58, 16180-16193	5.1	7
25	Luminescent vapochromic single crystal to single crystal transition in one-dimensional coordination polymer featuring the first Cu(I) dimer bridged by an aqua ligand. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3402-3411	6.8	7
24	Straightforward Preparation of a Solid-state Luminescent Cu ¹¹ Polymetallic Assembly via Adaptive Coordination-driven Supramolecular Chemistry. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 754-760	1.3	6
23	Luminescence properties of lanthanide complexes-based molecular alloys. <i>Inorganica Chimica Acta</i> , 2020 , 501, 119309	2.7	6
22	High Luminance of Heterolanthanide-Based Molecular Alloys by Phase-Induction Strategy. <i>Inorganic Chemistry</i> , 2020 , 59, 11028-11040	5.1	6
21	A supramolecular chain of dimeric Dy single molecule magnets decorated with azobenzene ligands. <i>Dalton Transactions</i> , 2019 , 48, 16053-16061	4.3	6
20	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
19	Self-assembled luminescent Cu(I) tetranuclear metallacycles based on 3,3'-bipyridine ligands. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 2893-2902	5.2	5
18	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
17	Rational engineering of dimeric Dy-based Single-Molecule Magnets for surface grafting. <i>Polyhedron</i> , 2019 , 164, 41-47	2.7	4
16	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
15	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie</i> , 2020 , 132, 790-794	3.6	4
14	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
13	Lanthanide coordination polymers with 1,2-phenylenediacetate. <i>Inorganica Chimica Acta</i> , 2017 , 461, 1362-1364	2.7	3
12	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
11	Glass reactive sintering as an alternative route for the synthesis of NZP glass/ceramics. <i>Journal of Materials Science</i> , 2012 , 47, 486-492	4.3	3
10	Self-assembly of a terbium(III) 1D coordination polymer on mica. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 2440-2448	3	3
9	Lanthanide-based molecular alloys with hydroxyterephthalate: a versatile system. <i>CrystEngComm</i> , 2021 , 23, 100-118	3.3	3

8	Do the bridging angle affect the luminescent properties of $[(\text{CO})_3(\text{phen})\text{Re}(\mu\text{-OH})\text{Re}(\text{phen})(\text{CO})_3]^+$?. An experimental and computational study on three polymorphs. <i>Polyhedron</i> , 2019 , 173, 114150	2.7	2
7	A new 3D four-fold interpenetrated dia-like polymer: gas sorption and computational analyses. <i>CrystEngComm</i> , 2014 , 16, 10410-10417	3.3	2
6	New lanthanide-based coordination polymers with 2,5-dihydroxyterephthalate. <i>Inorganica Chimica Acta</i> , 2021 , 527, 120594	2.7	2
5	Single-chain magnet behavior in a finite linear hexanuclear molecule. <i>Chemical Science</i> , 2021 , 12, 10613-10621	3.4	2
4	Crystal structure of $[\text{Y}_6(\mu\text{-O})(\mu\text{-OH})_8(\text{H}_2\text{O})_{24}]\text{I}_8\cdot 8\text{H}_2\text{O}$. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014 , 70, 577-9		1
3	Hexanuclear Molecular Precursors as Tools to Design Luminescent Coordination Polymers with Lanthanide Segregation. <i>Inorganic Chemistry</i> , 2021 , 60, 16782-16793	5.1	1
2	Straightforward coordination-driven supramolecular chemistry preparation of a discrete solid-state luminescent Cu_4 polymetallic compact assembly based on conformationally flexible building blocks. <i>Inorganica Chimica Acta</i> , 2021 , 516, 120115	2.7	1
1	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