

Carole Daiguebonne

List of Publications by Year in descending order

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papers

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126708

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2910
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Luminescent Properties of Micro- and Nanosized Particles of Lanthanide Terephthalate Coordination Polymers. <i>Inorganic Chemistry</i> , 2008, 47, 3700-3708.	1.9	177
2	A Long Journey in Lanthanide Chemistry: From Fundamental Crystallogeneses Studies to Commercial Anticounterfeiting Taggants. <i>Accounts of Chemical Research</i> , 2016, 49, 844-856.	7.6	148
3	A Luminescent and Sublimable Dy ^{III} -Based Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2012, 18, 11379-11387.	1.7	134
4	Synthesis, Crystal Structure, and Porosity Estimation of Hydrated Erbium Terephthalate Coordination Polymers. <i>Inorganic Chemistry</i> , 2006, 45, 5399-5406.	1.9	131
5	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.	1.3	121
6	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.	1.9	98
7	Coordination Polymers Based on Heterohexanuclear Rare Earth Complexes: Toward Independent Luminescence Brightness and Color Tuning. <i>Inorganic Chemistry</i> , 2013, 52, 6720-6730.	1.9	82
8	New 3-D La(III)-Cu(II)-Containing Coordination Polymer with a High Potential Porosity. <i>Inorganic Chemistry</i> , 2006, 45, 8468-8470.	1.9	80
9	Lanthanide-Based Molecular Materials: Gel Medium Induced Polymorphism. <i>Crystal Growth and Design</i> , 2003, 3, 1015-1020.	1.4	78
10	Color and Brightness Tuning in Heteronuclear Lanthanide Terephthalate Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3464-3476.	1.0	76
11	Rational Organization of Lanthanide-Based SMM Dimers into Three-Dimensional Networks. <i>Inorganic Chemistry</i> , 2015, 54, 5213-5219.	1.9	64
12	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.	1.7	64
13	Ni(II), Cu(II), and Zn(II) Dinuclear Metal Complexes with an Aza-Phenolic Ligand: Crystal Structures, Magnetic Properties, and Solution Studies. <i>Inorganic Chemistry</i> , 2003, 42, 348-357.	1.9	63
14	Syntheses, Crystal Structures, and Gas Storage Studies in New Three-Dimensional 5-Aminoisophthalate Praseodymium Polymeric Complexes. <i>Inorganic Chemistry</i> , 2009, 48, 3976-3981.	1.9	62
15	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.	1.9	61
16	Influence of Photoinduced Electron Transfer on Lanthanide-Based Coordination Polymer Luminescence: A Comparison between Two Pseudoisorecticular Molecular Networks. <i>Inorganic Chemistry</i> , 2014, 53, 1217-1228.	1.9	57
17	A highly efficient and stable oxygen reduction reaction on Pt/CeO _x /C electrocatalyst obtained via a sacrificial precursor based on a metal-organic framework. <i>Applied Catalysis B: Environmental</i> , 2016, 189, 39-50.	10.8	57
18	Luminescent coordination nanoparticles. <i>New Journal of Chemistry</i> , 2008, 32, 584.	1.4	56

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19	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.	7.6	54
20	Unraveling the Crystal Structure of Lanthanide- μ -Murexide Complexes: Use of an Ancient Complexometry Indicator as a Near-Infrared-Emitting Single-Chain Magnet. <i>Chemistry - A European Journal</i> , 2014, 20, 1569-1576.	1.7	53
21	New Family of Porous Lanthanide-Containing Coordination Polymers: $[Ln_2(C_2O_4)_3(H_2O)_6, 12H_2O]_n$ with Ln = La, Yb or Y. <i>Crystal Growth and Design</i> , 2010, 10, 775-781.	1.9	52
22	1,2,4,5-Benzene-tetra-carboxylic acid: a versatile ligand for high dimensional lanthanide-based coordination polymers. <i>CrystEngComm</i> , 2013, 15, 1882.	1.3	52
23	Two isorecticular metal-organic frameworks with $CdSO_4$ -like topology: selective gas sorption and drug delivery. <i>Dalton Transactions</i> , 2014, 43, 17265-17273.	1.6	51
24	A Family of Lanthanide-Based Coordination Polymers with Boronic Acid as Ligand. <i>Inorganic Chemistry</i> , 2015, 54, 5534-5546.	1.9	49
25	Unprecedented Lanthanide-Containing Coordination Polymers Constructed from Hexanuclear Molecular Building Blocks: $\{[Ln_6O(OH)_8](NO_3)_2(bdc)(Hbdc)_2 \cdot 2NO_3 \cdot 4H_2O\}_n$. <i>Inorganic Chemistry</i> , 2011, 50, 2851-2858.	1.9	46
26	Lanthanide Aminoisophthalate Coordination Polymers: A Promising System for Tunable Luminescent Properties. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3705-3716.	1.0	46
27	Synthesis of New Copper Cyanide complexes via the Transformation of Organonitrile to Inorganic Cyanide. <i>Inorganic Chemistry</i> , 2008, 47, 5866-5872.	1.9	43
28	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.	1.3	43
29	Multi-Emissive Lanthanide-Based Coordination Polymers for Potential Application as Luminescent Bar-Codes. <i>Inorganic Chemistry</i> , 2019, 58, 2659-2668.	1.9	43
30	Lanthanide-based hexa-nuclear complexes and their use as molecular precursors. <i>Coordination Chemistry Reviews</i> , 2017, 340, 134-153.	9.5	41
31	A $NdIII/CuII$ Molecular Material with a Honeycomb-like Structure. <i>Inorganic Chemistry</i> , 2001, 40, 176-178.	1.9	40
32	Lanthanide-Based Coordination Polymers With 1,4-Carboxyphenylboronic Ligand: Multiemissive Compounds for Multisensitive Luminescent Thermometric Probes. <i>Inorganic Chemistry</i> , 2019, 58, 462-475.	1.9	40
33	Four three-dimensional lanthanide coordination polymer constructed from benzene-1,4-dioxydiacetic acid. <i>Inorganica Chimica Acta</i> , 2007, 360, 3265-3271.	1.2	38
34	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 780-784.	7.2	36
35	3D Organization of Dysprosium Cubanes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5879-5885.	1.0	29
36	Characterization and Luminescence Properties of Lanthanide-Based Polynuclear Complexes Nanoaggregates. <i>Inorganic Chemistry</i> , 2015, 54, 6043-6054.	1.9	28

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37	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.	1.4	28
38	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.	1.8	27
39	A New Series of Anhydrous Lanthanide-Based Octahedral Hexanuclear Complexes. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3172-3178.	1.0	26
40	Re-investigation of the $\text{Er}^{3+}\text{-C}_2\text{O}_4^{2-}\text{-H}_2\text{O}$ system: from the classical ceramic precursor to a new nanoporous molecular material potential precursor. <i>Comptes Rendus Chimie</i> , 2003, 6, 405-415.	0.2	25
41	A family of lanthanide-containing molecular open frameworks with high porosity: $[\text{Ln}(\text{abdc})(\text{Habd})_n\text{H}_2\text{O}]_z$ with $\text{Ln}=\text{La-Eu}$ and $8 \leq z \leq 11$. <i>Inorganica Chimica Acta</i> , 2011, 368, 170-178.	1.2	23
42	Lanthanide-containing coordination polymers. <i>Fundamental Theories of Physics</i> , 2004, 34, 359-404.	0.1	22
43	Strong Magnetic Coupling and Single-Molecule-Magnet Behavior in Lanthanide-TEMPO Radical Chains. <i>Inorganic Chemistry</i> , 2018, 57, 11044-11057.	1.9	22
44	Highly Luminescent Europium-Based Heteroleptic Coordination Polymers with Phenantroline and Glutarate Ligands. <i>Inorganic Chemistry</i> , 2021, 60, 3707-3718.	1.9	22
45	Structural and Near-IR Luminescent Properties of Erbium-Containing Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4491-4497.	1.0	21
46	Rational Design of Dual IR and Visible Highly Luminescent Light-Lanthanides-Based Coordination Polymers. <i>Inorganic Chemistry</i> , 2020, 59, 10673-10687.	1.9	21
47	Lanthanide-based hexanuclear complexes usable as molecular precursors for new hybrid materials. <i>Comptes Rendus Chimie</i> , 2010, 13, 715-730.	0.2	20
48	Effect of multiphasic structure of binder particles on the mechanical properties of a gypsum-based material. <i>Construction and Building Materials</i> , 2016, 102, 175-181.	3.2	20
49	Temperature identification on two 3D Mn(II) metal-organic frameworks: syntheses, adsorption and magnetism. <i>RSC Advances</i> , 2014, 4, 20605.	1.7	19
50	Microcrystalline Core-Shell Lanthanide-Based Coordination Polymers for Unprecedented Luminescent Properties. <i>Inorganic Chemistry</i> , 2019, 58, 1317-1329.	1.9	18
51	Hexalanthanide Complexes as Molecular Precursors: Synthesis, Crystal Structure, and Luminescent and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017, 56, 14632-14642.	1.9	15
52	Hetero-hexalanthanide Complexes: A New Synthetic Strategy for Molecular Thermometric Probes. <i>Inorganic Chemistry</i> , 2019, 58, 16180-16193.	1.9	12
53	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.	1.2	11
54	High Luminance of Heterolanthanide-Based Molecular Alloys by Phase-Induction Strategy. <i>Inorganic Chemistry</i> , 2020, 59, 11028-11040.	1.9	11

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55	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.	1.9	11
56	Structure and magnetic properties of Ln ₂ [Cu(opba)] ₃ (DMSO) ₆ (H ₂ O)·(H ₂ O) compounds with LnLa ^{III} –Lu exhibiting ladder-like molecular motifs. <i>Inorganica Chimica Acta</i> , 2005, 358, 3246-3252.	1.2	10
57	Luminescence properties of lanthanide complexes-based molecular alloys. <i>Inorganica Chimica Acta</i> , 2020, 501, 119309.	1.2	10
58	Nanometrization of Lanthanide-Based Coordination Polymers. <i>Chemistry - A European Journal</i> , 2015, 21, 17466-17473.	1.7	9
59	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.	1.0	9
60	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.	3.0	9
61	A new calcium sulfate-based plaster composed of composite particles. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 2685-2696.	1.3	8
62	Single-chain magnet behavior in a finite linear hexanuclear molecule. <i>Chemical Science</i> , 2021, 12, 10613-10621.	3.7	7
63	Rational engineering of dimeric Dy-based Single-Molecule Magnets for surface grafting. <i>Polyhedron</i> , 2019, 164, 41-47.	1.0	6
64	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.	1.3	6
65	Lanthanide-based molecular alloys with hydroxyterephthalate: a versatile system. <i>CrystEngComm</i> , 2021, 23, 100-118.	1.3	6
66	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.	1.2	5
67	New lanthanide-based coordination polymers with 2,5-dihydroxyterephthalate. <i>Inorganica Chimica Acta</i> , 2021, 527, 120594.	1.2	5
68	Hexanuclear Molecular Precursors as Tools to Design Luminescent Coordination Polymers with Lanthanide Segregation. <i>Inorganic Chemistry</i> , 2021, 60, 16782-16793.	1.9	5
69	Crystal structure, physico-chemical and catalytic properties of two organic–inorganic hybrid polyoxometallate-based lanthanide complexes. <i>Polyhedron</i> , 2016, 115, 1-8.	1.0	4
70	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.	1.2	4
71	Lanthanide coordination polymers with 1,2-phenylenediacetate. <i>Inorganica Chimica Acta</i> , 2017, 461, 136-144.	1.2	3
72	Self-assembly of a terbium(III) 1D coordination polymer on mica. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 2440-2448.	1.5	3

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73	A new praseodymium-based coordination polymers with 1,10-phenantroline and glutarate ligands: Synthesis, crystal structure and luminescent properties. <i>Journal of Molecular Structure</i> , 2021, 1225, 129164.	1.8	3
74	Synthesis, Crystal Structure, and Luminescence Properties of the Iso-Reticular Series of Lanthanide Coordination Polymers Synthesized from Hexa-Lanthanide Molecular Precursors. <i>Inorganic Chemistry</i> , 2022, 61, 4895-4908.	1.9	3
75	Poly[[nonaquaabis($\frac{1}{4}$ -5-hydroxybenzene-1,3-dicarboxylato)(5-hydroxybenzene-1,3-dicarboxylato)dicerium(III)] hexahydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, m181-m182.	0.2	2
76	Crystal structure of $[Y_6(\frac{1}{4}O)(\frac{1}{4}OH)_8(H_2O)_{24}]_8 \cdot 8H_2O$. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, 577-579.	0.2	2
77	A new 3D four-fold interpenetrated <i>dia</i> -like polymer: gas sorption and computational analyses. <i>CrystEngComm</i> , 2014, 16, 10410-10417.	1.3	2
78	Poly[[octaqua- $\frac{1}{4}$ -(benzene-1,2,4,5-tetracarboxylato)-dicobalt(II)] octahydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m680-m681.	0.2	2
79	Microwave-assisted synthesis of lanthanide coordination polymers with 2-bromobenzoic acid as ligand from hexa-lanthanide molecular precursors. <i>Journal of Molecular Structure</i> , 2022, 1250, 131918.	1.8	2
80	Poly[[hexaaquasesqui($\frac{1}{4}$ -benzene-1,2,4,5-tetracarboxylato)dicopper(II)disodium] monohydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, m284-m285.	0.2	0
81	Synthesis and crystal structure of a new coordination polymer based on lanthanum and 1,4-phenylenediacetate ligands. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 378-382.	0.2	0