

Olivier Guillou

List of Publications by Year in descending order

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papers

3,656
citations

94269

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docs citations

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times ranked

2848
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure and magnetic properties of [Ln ₂ Cu ₄] hexanuclear clusters (where Ln = trivalent) Tj ETQq1 1 0.784314 rgBT /Overlock Chemical Society, 1993, 115, 1822-1829.	6.6	369
2	Synthesis, crystal structure, and magnetic properties of tetranuclear complexes containing exchange-coupled dilanthanide-dicopper(lanthanide = gadolinium, dysprosium) species. Inorganic Chemistry, 1990, 29, 1750-1755.	1.9	249
3	Structural and Luminescent Properties of Micro- and Nanosized Particles of Lanthanide Terephthalate Coordination Polymers. Inorganic Chemistry, 2008, 47, 3700-3708.	1.9	177
4	Ferromagnetically coupled gadolinium(III)copper(II) molecular material. Inorganic Chemistry, 1992, 31, 110-114.	1.9	150
5	A Long Journey in Lanthanide Chemistry: From Fundamental Crystallogeneses Studies to Commercial Anticounterfeiting Taggants. Accounts of Chemical Research, 2016, 49, 844-856.	7.6	148
6	A Luminescent and Sublimable Dy ^{III} -Based Single-Molecule Magnet. Chemistry - A European Journal, 2012, 18, 11379-11387.	1.7	134
7	Synthesis, Crystal Structure, and Porosity Estimation of Hydrated Erbium Terephthalate Coordination Polymers. Inorganic Chemistry, 2006, 45, 5399-5406.	1.9	131
8	Brightness and Color Tuning in a Series of Lanthanide-Based Coordination Polymers with Benzene-1,2,4,5-tetracarboxylic Acid as a Ligand. Inorganic Chemistry, 2016, 55, 794-802.	1.9	98
9	Coordination Polymers Based on Heterohexanuclear Rare Earth Complexes: Toward Independent Luminescence Brightness and Color Tuning. Inorganic Chemistry, 2013, 52, 6720-6730.	1.9	82
10	New 3-D La(III)~Cu(II)-Containing Coordination Polymer with a High Potential Porosity. Inorganic Chemistry, 2006, 45, 8468-8470.	1.9	80
11	Lanthanide-Based Molecular Materials: Gel Medium Induced Polymorphism. Crystal Growth and Design, 2003, 3, 1015-1020.	1.4	78
12	Color and Brightness Tuning in Heteronuclear Lanthanide Terephthalate Coordination Polymers. European Journal of Inorganic Chemistry, 2013, 2013, 3464-3476.	1.0	76
13	One- and two-dimensional rare earth-copper molecular materials. Inorganica Chimica Acta, 1992, 198-200, 119-131.	1.2	66
14	Rational Organization of Lanthanide-Based SMM Dimers into Three-Dimensional Networks. Inorganic Chemistry, 2015, 54, 5213-5219.	1.9	64
15	Magnetic Slow Relaxation in a Metal-Organic Framework Made of Chains of Ferromagnetically Coupled Single-Molecule Magnets. Chemistry - A European Journal, 2018, 24, 6983-6991.	1.7	64
16	One-Dimensional MIICuII Compounds with an Unprecedented, Tubelike Structural Motif(M= Rare-Earth) Tj ETQq0 0.0 rgBT /Overlock 10	4.4	62
17	Syntheses, Crystal Structures, and Gas Storage Studies in New Three-Dimensional 5-Aminoisophthalate Praseodymium Polymeric Complexes. Inorganic Chemistry, 2009, 48, 3976-3981.	1.9	62
18	Lanthanide-Based Coordination Polymers with a 4,5-Dichlorophthalate Ligand Exhibiting Highly Tunable Luminescence: Toward Luminescent Bar Codes. Inorganic Chemistry, 2018, 57, 3399-3410.	1.9	61

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19	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
20	Luminescent coordination nanoparticles. <i>New Journal of Chemistry</i> , 2008, 32, 584.	1.4	56
21	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
22	Unraveling the Crystal Structure of Lanthanide- μ -Murexide Complexes: Use of an Ancient Complexometry Indicator as a Near-Infrared-Emitting Single-Ion Magnet. <i>Chemistry - A European Journal</i> , 2014, 20, 1569-1576.	1.7	53
23	New Family of Porous Lanthanide-Containing Coordination Polymers: $[\text{Ln}_{2}(\text{C}_{2}\text{O}_{4})_{3}(\text{H}_{2}\text{O})_{6}, 12\text{H}_{2}\text{O}]_{n}$ with $\text{Ln} = \text{La}^{\sim}\text{Yb}$ or Y . <i>Crystal Growth and Design</i> , 2010, 10, 775-781.	1.9	52
24	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
25	Experimental and theoretical evidence that electrostatics governs easy-axis orientation in Dy^{III} -based molecular chains. <i>Chemical Communications</i> , 2014, 50, 13346-13348.	2.2	52
26	A Family of Lanthanide-Based Coordination Polymers with Boronic Acid as Ligand. <i>Inorganic Chemistry</i> , 2015, 54, 5534-5546.	1.9	49
27	Unprecedented Lanthanide-Containing Coordination Polymers Constructed from Hexanuclear Molecular Building Blocks: $\{[\text{Ln}_{6}\text{O}(\text{OH})_{8}](\text{NO}_{3})_{2}(\text{bdc})(\text{Hbdc})_{2}\cdot 2\text{NO}_{3}\cdot 4\text{H}_{2}\text{O}\}_{n}$. <i>Inorganic Chemistry</i> , 2011, 50, 2851-2858.	1.9	46
28	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
29	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
30	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
31	Multi-Emissive Lanthanide-Based Coordination Polymers for Potential Application as Luminescent Bar-Codes. <i>Inorganic Chemistry</i> , 2019, 58, 2659-2668.	1.9	43
32	Lanthanide-based hexa-nuclear complexes and their use as molecular precursors. <i>Coordination Chemistry Reviews</i> , 2017, 340, 134-153.	9.5	41
33	A $\text{Nd}^{\text{III}}\text{Cu}^{\text{II}}$ Molecular Material with a Honeycomb-like Structure. <i>Inorganic Chemistry</i> , 2001, 40, 176-178.	1.9	40
34	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.	1.6	40
35	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
36	Theory of the magnetic properties of isotropic ladder-type double chains with classical spins at the bunch-upright intersections: Application to $\text{Gd}(\text{III})\text{-Cu}(\text{II})$ compounds. <i>Physical Review B</i> , 1994, 49, 3235-3242.	1.1	39

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37	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
38	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 780-784.	7.2	36
39	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.	1.0	30
40	3D Organization of Dysprosium Cubanes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5879-5885.	1.0	29
41	Characterization and Luminescence Properties of Lanthanide-Based Polynuclear Complexes Nanoaggregates. <i>Inorganic Chemistry</i> , 2015, 54, 6043-6054.	1.9	28
42	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
43	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
44	A New Series of Anhydrous Lanthanide-Based Octahedral Hexanuclear Complexes. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3172-3178.	1.0	26
45	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
46	A family of lanthanide-containing molecular open frameworks with high porosity: $[\text{Ln}(\text{abdc})(\text{Habd})_n(\text{H}_2\text{O})_m]$ with $\text{Ln}=\text{La}, \text{Eu}$ and $8 \leq n \leq 11$. <i>Inorganica Chimica Acta</i> , 2011, 368, 170-178.	1.2	23
47	Lanthanide-containing coordination polymers. <i>Fundamental Theories of Physics</i> , 2004, 34, 359-404.	0.1	22
48	Strong Magnetic Coupling and Single-Molecule-Magnet Behavior in Lanthanide-TEMPO Radical Chains. <i>Inorganic Chemistry</i> , 2018, 57, 11044-11057.	1.9	22
49	Highly Luminescent Europium-Based Heteroleptic Coordination Polymers with Phenantroline and Glutarate Ligands. <i>Inorganic Chemistry</i> , 2021, 60, 3707-3718.	1.9	22
50	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
51	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
52	Lanthanide-based hexanuclear complexes usable as molecular precursors for new hybrid materials. <i>Comptes Rendus Chimie</i> , 2010, 13, 715-730.	0.2	20
53	Microcrystalline Core-Shell Lanthanide-Based Coordination Polymers for Unprecedented Luminescent Properties. <i>Inorganic Chemistry</i> , 2019, 58, 1317-1329.	1.9	18
54	Supramolecular isomers of lanthanides(III): Synthesis, crystal structures and luminescent properties. <i>Inorganica Chimica Acta</i> , 2009, 362, 1797-1804.	1.2	17

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55	catena-Poly[[bis[pentaaquaerbium(III)]-1/4-benzenehexacarboxylato] tetrahydrate]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, m277-m279.	0.4	16
56	Hexalanthanide Complexes as Molecular Precursors: Synthesis, Crystal Structure, and Luminescent and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017, 56, 14632-14642.	1.9	15
57	Hetero-hexalanthanide Complexes: A New Synthetic Strategy for Molecular Thermometric Probes. <i>Inorganic Chemistry</i> , 2019, 58, 16180-16193.	1.9	12
58	High Luminance of Heterolanthanide-Based Molecular Alloys by Phase-Induction Strategy. <i>Inorganic Chemistry</i> , 2020, 59, 11028-11040.	1.9	11
59	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
60	Structure and magnetic properties of Ln ₂ [Cu(opba)] ₃ (DMSO) ₆ (H ₂ O) ₆ ·(H ₂ O) compounds with LnLa–Lu exhibiting ladder-like molecular motifs. <i>Inorganica Chimica Acta</i> , 2005, 358, 3246-3252.	1.2	10
61	A supramolecular chain of dimeric Dy single molecule magnets decorated with azobenzene ligands. <i>Dalton Transactions</i> , 2019, 48, 16053-16061.	1.6	10
62	Luminescence properties of lanthanide complexes-based molecular alloys. <i>Inorganica Chimica Acta</i> , 2020, 501, 119309.	1.2	10
63	Nanometrization of Lanthanide-Based Coordination Polymers. <i>Chemistry - A European Journal</i> , 2015, 21, 17466-17473.	1.7	9
64	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
65	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, 15551-15556.	4.0	8
66	Synthesis and photoluminescence properties of Mn ²⁺ doped Ca _{1-x} Sr _x CN ₂ phosphors prepared by a carbon nitride based route. <i>Journal of Solid State Chemistry</i> , 2021, 300, 122240.	1.4	8
67	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie</i> , 2020, 132, 790-794.	1.6	7
68	Single-chain magnet behavior in a finite linear hexanuclear molecule. <i>Chemical Science</i> , 2021, 12, 10613-10621.	3.7	7
69	Rational engineering of dimeric Dy-based Single-Molecule Magnets for surface grafting. <i>Polyhedron</i> , 2019, 164, 41-47.	1.0	6
70	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
71	Lanthanide-based molecular alloys with hydroxyterephthalate: a versatile system. <i>CrystEngComm</i> , 2021, 23, 100-118.	1.3	6
72	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

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73	New lanthanide-based coordination polymers with 2,5-dihydroxyterephthalate. <i>Inorganica Chimica Acta</i> , 2021, 527, 120594.	1.2	5
74	Hexanuclear Molecular Precursors as Tools to Design Luminescent Coordination Polymers with Lanthanide Segregation. <i>Inorganic Chemistry</i> , 2021, 60, 16782-16793.	1.9	5
75	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
76	Effect of cationic substitutions on the photoluminescence properties of Eu ²⁺ doped SrCN ₂ prepared by a facile C ₃ N ₄ based synthetic approach. <i>Journal of the European Ceramic Society</i> , 2020, 40, 6316-6321.	2.8	4
77	Lanthanide coordination polymers with 1,2-phenylenediacetate. <i>Inorganica Chimica Acta</i> , 2017, 461, 136-144.	1.2	3
78	Self-assembly of a terbium(III) 1D coordination polymer on mica. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 2440-2448.	1.5	3
79	A new praseodymium-based coordination polymers with 1,10-phenanthroline and glutarate ligands: Synthesis, crystal structure and luminescent properties. <i>Journal of Molecular Structure</i> , 2021, 1225, 129164.	1.8	3
80	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
81	Poly[[nonaqua bis(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
82	Synthesis and photoluminescence properties of Mn ²⁺ doped ZnCN ₂ phosphors. <i>Open Ceramics</i> , 2021, 7, 100157.	1.0	2
83	Poly[[[octaqua-1/4₄-(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
84	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
85	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