

Olivier Guillou

List of Publications by Citations

Source: <https://exaly.com/author-pdf/453020/olivier-guillou-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

84
papers

3,117
citations

34
h-index

54
g-index

88
ext. papers

3,380
ext. citations

5
avg, IF

4.93
L-index

#	Paper	IF	Citations
84	Crystal structure and magnetic properties of [Ln ₂ Cu ₄] hexanuclear clusters (where Ln = trivalent lanthanide). Mechanism of the gadolinium(III)-copper(II) magnetic interaction. <i>Journal of the American Chemical Society</i> , 1993 , 115, 1822-1829	16.4	320
83	Synthesis, crystal structure, and magnetic properties of tetranuclear complexes containing exchange-coupled dilanthanide-dicopper(lanthanide = gadolinium, dysprosium) species. <i>Inorganic Chemistry</i> , 1990 , 29, 1750-1755	5.1	214
82	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
81	Ferromagnetically coupled gadolinium(III)copper(II) molecular material. <i>Inorganic Chemistry</i> , 1992 , 31, 110-114	5.1	131
80	Synthesis, crystal structure, and porosity estimation of hydrated erbium terephthalate coordination polymers. <i>Inorganic Chemistry</i> , 2006 , 45, 5399-406	5.1	129
79	A luminescent and sublimable Dy(III)-based single-molecule magnet. <i>Chemistry - A European Journal</i> , 2012 , 18, 11379-87	4.8	119
78	A Long Journey in Lanthanide Chemistry: From Fundamental Crystallogeneses Studies to Commercial Anticounterfeiting Taggants. <i>Accounts of Chemical Research</i> , 2016 , 49, 844-56	24.3	112
77	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
76	New 3-D La(III)-Cu(II)-containing coordination polymer with a high potential porosity. <i>Inorganic Chemistry</i> , 2006 , 45, 8468-70	5.1	79
75	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
74	Lanthanide-Based Molecular Materials: Gel Medium Induced Polymorphism. <i>Crystal Growth and Design</i> , 2003 , 3, 1015-1020	3.5	75
73	Color and Brightness Tuning in Heteronuclear Lanthanide Terephthalate Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3464-3476	2.3	65
72	One- and two-dimensional rare earth-copper molecular materials. <i>Inorganica Chimica Acta</i> , 1992 , 198-200, 119-131	2.7	63
71	Syntheses, crystal structures, and gas storage studies in new three-dimensional 5-aminoisophthalate praseodymium polymeric complexes. <i>Inorganic Chemistry</i> , 2009 , 48, 3976-81	5.1	62
70	Rational Organization of Lanthanide-Based SMM Dimers into Three-Dimensional Networks. <i>Inorganic Chemistry</i> , 2015 , 54, 5213-9	5.1	54
69	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
68	Luminescent coordination nanoparticles. <i>New Journal of Chemistry</i> , 2008 , 32, 584	3.6	53

67	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
66	One-Dimensional MIIICuII Compounds with an Unprecedented, Tubelike Structural Motif (M = Rare-Earth Metal). <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 626-628		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: [Ln ₂ (C ₂ O ₄) ₃ (H ₂ O) ₆ ,12H ₂ O] ⁿ with Ln = La ^{III} 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	A family of lanthanide-based coordination polymers with boronic Acid as ligand. <i>Inorganic Chemistry</i> , 2015 , 54, 5534-46	5.1	42
58	Unprecedented lanthanide-containing coordination polymers constructed from hexanuclear molecular building blocks: {[Ln ₆ O(OH) ₈](NO ₃) ₂ (bdc)(Hbdc) ₂ [2NO ₃ (H)bdc]} ⁿ <i>Inorganic Chemistry</i> , 2011 , 50, 2851-8	5.1	42
57	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
56	Synthesis of new copper cyanide complexes via the transformation of organonitrile to inorganic cyanide. <i>Inorganic Chemistry</i> , 2008 , 47, 5866-72	5.1	40
55	Four three-dimensional lanthanide coordination polymer constructed from benzene-1,4-dioxydiacetic acid. <i>Inorganica Chimica Acta</i> , 2007 , 360, 3265-3271	2.7	38
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	A NdIII CuII molecular material with a honeycomb-like structure. <i>Inorganic Chemistry</i> , 2001 , 40, 176-8	5.1	36
52	Lanthanide-based hexa-nuclear complexes and their use as molecular precursors. <i>Coordination Chemistry Reviews</i> , 2017 , 340, 134-153	23.2	34
51	Theory of the magnetic properties of isotropic ladder-type double chains with classical spins at the bunch-upright intersections: Application to Gd(III)-Cu(II) compounds. <i>Physical Review B</i> , 1994 , 49, 3235-3242	3.2	34
50	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

49	Multi-Emissive Lanthanide-Based Coordination Polymers for Potential Application as Luminescent Bar-Codes. <i>Inorganic Chemistry</i> , 2019 , 58, 2659-2668	5.1	29
48	3D Organization of Dysprosium Cubanes. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5879-5885.	3	26
47	Characterization and Luminescence Properties of Lanthanide-Based Polynuclear Complexes Nanoaggregates. <i>Inorganic Chemistry</i> , 2015 , 54, 6043-54	5.1	25
46	Re-investigation of the Er ³⁺ /H ₂ O system: from the classical ceramic precursor to a new nanoporous molecular material potential precursor. <i>Comptes Rendus Chimie</i> , 2003 , 6, 405-415	2.7	24
45	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
44	A New Series of Anhydrous Lanthanide-Based Octahedral Hexanuclear Complexes. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 3172-3178	2.3	23
43	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
42	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
41	A family of lanthanide-containing molecular open frameworks with high porosity: [Ln(abdc)(Habdc) _n H ₂ O] _n with Ln = La, Eu and 8 ≤ n ≤ 11. <i>Inorganica Chimica Acta</i> , 2011 , 368, 170-178	2.7	22
40	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
39	Structural and Near-IR Luminescent Properties of Erbium-Containing Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 4491-4497	2.3	19
38	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 780-784	16.4	18
37	Supramolecular isomers of lanthanides(III): Synthesis, crystal structures and luminescent properties. <i>Inorganica Chimica Acta</i> , 2009 , 362, 1797-1804	2.7	17
36	Lanthanide-based hexanuclear complexes usable as molecular precursors for new hybrid materials. <i>Comptes Rendus Chimie</i> , 2010 , 13, 715-730	2.7	17
35	Lanthanide-containing coordination polymers. <i>Fundamental Theories of Physics</i> , 2004 , 34, 359-404	0.8	16
34	Catena-poly[[bis[pentaaquaerbium(III)]-μ-benzenehexacarboxylato] tetrahydrate]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, m277-9		16
33	Strong Magnetic Coupling and Single-Molecule-Magnet Behavior in Lanthanide-TEMPO Radical Chains. <i>Inorganic Chemistry</i> , 2018 , 57, 11044-11057	5.1	14
32	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

31	Microcrystalline Core-Shell Lanthanide-Based Coordination Polymers for Unprecedented Luminescent Properties. <i>Inorganic Chemistry</i> , 2019 , 58, 1317-1329	5.1	11
30	Hexalanthanide Complexes as Molecular Precursors: Synthesis, Crystal Structure, and Luminescent and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017 , 56, 14632-14642	5.1	10
29	Structure and magnetic properties of Ln ₂ [Cu(opba)] ₃ (DMSO) ₆ (H ₂ O) · (H ₂ O) compounds with LnLa ^{III} exhibiting ladder-like molecular motifs. <i>Inorganica Chimica Acta</i> , 2005 , 358, 3246-3252	2.7	10
28	Nanometrization of Lanthanide-Based Coordination Polymers. <i>Chemistry - A European Journal</i> , 2015 , 21, 17466-73	4.8	9
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	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
25	Hetero-hexalanthanide Complexes: A New Synthetic Strategy for Molecular Thermometric Probes. <i>Inorganic Chemistry</i> , 2019 , 58, 16180-16193	5.1	7
24	Luminescence properties of lanthanide complexes-based molecular alloys. <i>Inorganica Chimica Acta</i> , 2020 , 501, 119309	2.7	6
23	High Luminance of Heterolanthanide-Based Molecular Alloys by Phase-Induction Strategy. <i>Inorganic Chemistry</i> , 2020 , 59, 11028-11040	5.1	6
22	A supramolecular chain of dimeric Dy single molecule magnets decorated with azobenzene ligands. <i>Dalton Transactions</i> , 2019 , 48, 16053-16061	4.3	6
21	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
20	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
19	Highly Luminescent Europium-Based Heteroleptic Coordination Polymers with Phenantroline and Glutarate Ligands. <i>Inorganic Chemistry</i> , 2021 , 60, 3707-3718	5.1	5
18	Rational engineering of dimeric Dy-based Single-Molecule Magnets for surface grafting. <i>Polyhedron</i> , 2019 , 164, 41-47	2.7	4
17	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
16	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie</i> , 2020 , 132, 790-794	3.6	4
15	Lanthanide coordination polymers with 1,2-phenylenediacetate. <i>Inorganica Chimica Acta</i> , 2017 , 461, 1362-1364	2.7	3
14	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

13	Self-assembly of a terbium(III) 1D coordination polymer on mica. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 2440-2448	3	3
12	Lanthanide-based molecular alloys with hydroxyterephthalate: a versatile system. <i>CrystEngComm</i> , 2021 , 23, 100-118	3-3	3
11	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	3-3	3
10	Poly[[nona-aqua-bis-(5-hydroxy-benzene-1,3-di-carboxyl-ato)(5-hydroxy-benzene-1,3-di-carboxyl-ato)dicerium(III)] hexa-hydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014 , 70, m181-2		2
9	Poly[[octaaqua-4-(benzene-1,2,4,5-tetra-carboxyl-ato)-dicobalt(II)] octa-hydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, m680-1		2
8	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	6	2
7	New lanthanide-based coordination polymers with 2,5-dihydroxyterephthalate. <i>Inorganica Chimica Acta</i> , 2021 , 527, 120594	2-7	2
6	Single-chain magnet behavior in a finite linear hexanuclear molecule. <i>Chemical Science</i> , 2021 , 12, 10613-10621	10-6	2
5	Hexanuclear Molecular Precursors as Tools to Design Luminescent Coordination Polymers with Lanthanide Segregation. <i>Inorganic Chemistry</i> , 2021 , 60, 16782-16793	5-1	1
4	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	3-4	1
3	Synthesis and photoluminescence properties of Mn ²⁺ doped ZnCN ₂ phosphors. <i>Open Ceramics</i> , 2021 , 7, 100157	3-3	1
2	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
1	Synthesis and crystal structure of a new coordination polymer based on lanthanum and 1,4-phenyl-enedi-acetate ligands. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019 , 75, 378-382	0-7	