

# Olivier Guillou

## 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.

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	Microwave-assisted synthesis of lanthanide coordination polymers with 2-bromobenzoic acid as ligand from hexa-lanthanide molecular precursors. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1250, 131918	3.4	0
83	Hexanuclear Molecular Precursors as Tools to Design Luminescent Coordination Polymers with Lanthanide Segregation. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 16782-16793	5.1	1
82	Lanthanide-based molecular alloys with hydroxyterephthalate: a versatile system. <i>CrystEngComm</i> , <b>2021</b> , 23, 100-118	3.3	3
81	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> , <b>2021</b> , 1225, 129164	3.4	1
80	A Journey in Lanthanide Coordination Chemistry: From Evaporable Dimers to Magnetic Materials and Luminescent Devices. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 427-440	24.3	20
79	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> , <b>2021</b> , 8, 2125-2135	6.8	5
78	Highly Luminescent Europium-Based Heteroleptic Coordination Polymers with Phenantroline and Glutarate Ligands. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 3707-3718	5.1	5
77	Synthesis and photoluminescence properties of Mn <sup>2+</sup> doped Ca <sub>1-x</sub> Sr <sub>x</sub> CN <sub>2</sub> phosphors prepared by a carbon nitride based route. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 300, 122240	3.3	3
76	Synthesis and photoluminescence properties of Mn <sup>2+</sup> doped ZnCN <sub>2</sub> phosphors. <i>Open Ceramics</i> , <b>2021</b> , 7, 100157	3.3	1
75	New lanthanide-based coordination polymers with 2,5-dihydroxyterephthalate. <i>Inorganica Chimica Acta</i> , <b>2021</b> , 527, 120594	2.7	2
74	Single-chain magnet behavior in a finite linear hexanuclear molecule. <i>Chemical Science</i> , <b>2021</b> , 12, 10613-10621	10.6	2
73	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> , <b>2020</b> , 59, 9215-9226	5.1	7
72	A new series of lanthanide-based complexes with a bis(hydroxy)benzoxaborolone ligand: synthesis, crystal structure, and magnetic and optical properties. <i>CrystEngComm</i> , <b>2020</b> , 22, 2020-2030	3.3	4
71	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 790-794	3.6	4
70	Chiral Supramolecular Nanotubes of Single-Chain Magnets. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 780-784	16.4	18
69	Effect of cationic substitutions on the photoluminescence properties of Eu <sup>2+</sup> doped SrCN <sub>2</sub> prepared by a facile C <sub>3</sub> N <sub>4</sub> based synthetic approach. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 6316-6321	6	2
68	Luminescence properties of lanthanide complexes-based molecular alloys. <i>Inorganica Chimica Acta</i> , <b>2020</b> , 501, 119309	2.7	6

67	Rational Design of Dual IR and Visible Highly Luminescent Light-Lanthanides-Based Coordination Polymers. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 10673-10687	5.1	11
66	High Luminance of Heterolanthanide-Based Molecular Alloys by Phase-Induction Strategy. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 11028-11040	5.1	6
65	A new family of lanthanide-based coordination polymers with azoxybenzene-3,3',5,5'-tetracarboxylic acid as ligand. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 488, 208-213	2.7	3
64	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> , <b>2019</b> , 75, 378-382	0.7	
63	Rational engineering of dimeric Dy-based Single-Molecule Magnets for surface grafting. <i>Polyhedron</i> , <b>2019</b> , 164, 41-47	2.7	4
62	Multi-Emissive Lanthanide-Based Coordination Polymers for Potential Application as Luminescent Bar-Codes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 2659-2668	5.1	29
61	Hetero-hexalanthanide Complexes: A New Synthetic Strategy for Molecular Thermometric Probes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 16180-16193	5.1	7
60	Self-assembly of a terbium(III) 1D coordination polymer on mica. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 2440-2448	3	3
59	A supramolecular chain of dimeric Dy single molecule magnets decorated with azobenzene ligands. <i>Dalton Transactions</i> , <b>2019</b> , 48, 16053-16061	4.3	6
58	Microcrystalline Core-Shell Lanthanide-Based Coordination Polymers for Unprecedented Luminescent Properties. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 1317-1329	5.1	11
57	Lanthanide-Based Coordination Polymers With 1,4-Carboxyphenylboronic Ligand: Multiemissive Compounds for Multisensitive Luminescent Thermometric Probes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 462-475	5.1	33
56	Lanthanide-Based Coordination Polymers with a 4,5-Dichlorophthalate Ligand Exhibiting Highly Tunable Luminescence: Toward Luminescent Bar Codes. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 3399-3410	5.1	50
55	Magnetic Slow Relaxation in a Metal-Organic Framework Made of Chains of Ferromagnetically Coupled Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 6983-6991	4.8	54
54	Optimization of Magnetic Relaxation and Isotopic Enrichment in Dimeric DyIII Single-Molecule Magnets. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 326-332	2.3	22
53	Strong Magnetic Coupling and Single-Molecule-Magnet Behavior in Lanthanide-TEMPO Radical Chains. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 11044-11057	5.1	14
52	Lanthanide coordination polymers with 1,2-phenylenediacetate. <i>Inorganica Chimica Acta</i> , <b>2017</b> , 461, 1362-1364	2.4	3
51	High Brightness and Easy Color Modulation in Lanthanide-Based Coordination Polymers with 5-Methoxysophthalate as Ligand: Toward Emission Colors Additive Strategy. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 1224-1234	3.5	22
50	Lanthanide-based hexa-nuclear complexes and their use as molecular precursors. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 340, 134-153	23.2	34

49	Hexalanthanide Complexes as Molecular Precursors: Synthesis, Crystal Structure, and Luminescent and Magnetic Properties. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 14632-14642	5.1	10
48	Reversible Luminescence Modulation upon an Electric Field on a Full Solid-State Device Based on Lanthanide Dimers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15551-6	9.5	7
47	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> , <b>2016</b> , 55, 794-802	5.1	81
46	A Long Journey in Lanthanide Chemistry: From Fundamental Crystallogenesis Studies to Commercial Anticounterfeiting Taggants. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 844-56	24.3	112
45	Rational Organization of Lanthanide-Based SMM Dimers into Three-Dimensional Networks. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 5213-9	5.1	54
44	A family of lanthanide-based coordination polymers with boronic Acid as ligand. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 5534-46	5.1	42
43	Nanometrization of Lanthanide-Based Coordination Polymers. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 17466-73	4.8	9
42	Characterization and Luminescence Properties of Lanthanide-Based Polynuclear Complexes Nanoaggregates. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 6043-54	5.1	25
41	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> , <b>2015</b> , 1086, 34-42	3.4	23
40	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> , <b>2014</b> , 20, 1569-76	4.8	47
39	Influence of photoinduced electron transfer on lanthanide-based coordination polymer luminescence: a comparison between two pseudoisorecticular molecular networks. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 1217-28	5.1	52
38	Experimental and theoretical evidence that electrostatics governs easy-axis orientation in Dy(III)-based molecular chains. <i>Chemical Communications</i> , <b>2014</b> , 50, 13346-8	5.8	49
37	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> , <b>2014</b> , 70, m181-2		
36	Synthesis, crystal structure and luminescent properties of new lanthanide-containing coordination polymers involving 4,4'-oxy-bis-benzoate as ligand. <i>CrystEngComm</i> , <b>2013</b> , 15, 706-720	3.3	41
35	Structural and luminescence characterizations of lanthanide-based coordination polymers involving naphthalene-1,4,5,8-tetra-carboxylate as ligand. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 401, 11-18	2.7	5
34	1,2,4,5-Benzene-tetra-carboxylic acid: a versatile ligand for high dimensional lanthanide-based coordination polymers. <i>CrystEngComm</i> , <b>2013</b> , 15, 1882	3.3	46
33	Influence of ferromagnetic connection of Ising-type Dy(III)-based single ion magnets on their magnetic slow relaxation. <i>Dalton Transactions</i> , <b>2013</b> , 42, 6728-31	4.3	37
32	Coordination polymers based on heterohexanuclear rare earth complexes: toward independent luminescence brightness and color tuning. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 6720-30	5.1	78

31	Color and Brightness Tuning in Heteronuclear Lanthanide Terephthalate Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 3464-3476	2.3	65
30	3D Organization of Dysprosium Cubanes. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 5879-5885.	3	26
29	Poly[[octaaqua- $\mu$ -(benzene-1,2,4,5-tetra-carboxyl-ato)-dicobalt(II)] octa-hydrate]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2013</b> , 69, m680-1		2
28	A luminescent and sublimable Dy(III)-based single-molecule magnet. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 11379-87	4.8	119
27	A family of lanthanide-containing molecular open frameworks with high porosity: [Ln(abdc)(Habdc), nH <sub>2</sub> O] with Ln = La, Eu and 8 ≤ n ≤ 11. <i>Inorganica Chimica Acta</i> , <b>2011</b> , 368, 170-178	2.7	22
26	Lanthanide Aminoisophthalate Coordination Polymers: A Promising System for Tunable Luminescent Properties. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, n/a-n/a	2.3	46
25	Unprecedented lanthanide-containing coordination polymers constructed from hexanuclear molecular building blocks: {[Ln <sub>6</sub> O(OH) <sub>8</sub> ](NO <sub>3</sub> ) <sub>2</sub> (bdc)(Hbdc) <sub>2</sub> [NO <sub>3</sub> (H)bdc]} <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 2851-8	5.1	42
24	New Family of Porous Lanthanide-Containing Coordination Polymers: [Ln <sub>2</sub> (C <sub>2</sub> O <sub>4</sub> ) <sub>3</sub> (H <sub>2</sub> O) <sub>6</sub> , 12H <sub>2</sub> O] with Ln = La, Tb or Y. <i>Crystal Growth and Design</i> , <b>2010</b> , 10, 775-781	3.5	49
23	Lanthanide-based hexanuclear complexes usable as molecular precursors for new hybrid materials. <i>Comptes Rendus Chimie</i> , <b>2010</b> , 13, 715-730	2.7	17
22	A New Series of Anhydrous Lanthanide-Based Octahedral Hexanuclear Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, 3172-3178	2.3	23
21	Structural and Near-IR Luminescent Properties of Erbium-Containing Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , <b>2009</b> , 2009, 4491-4497	2.3	19
20	Supramolecular isomers of lanthanides(III): Synthesis, crystal structures and luminescent properties. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 1797-1804	2.7	17
19	Syntheses, crystal structures, and gas storage studies in new three-dimensional 5-aminoisophthalate praseodymium polymeric complexes. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 3976-81	5.1	62
18	Synthesis of new copper cyanide complexes via the transformation of organonitrile to inorganic cyanide. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 5866-72	5.1	40
17	Luminescent coordination nanoparticles. <i>New Journal of Chemistry</i> , <b>2008</b> , 32, 584	3.6	53
16	Structural and luminescent properties of micro- and nanosized particles of lanthanide terephthalate coordination polymers. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 3700-8	5.1	160
15	Four three-dimensional lanthanide coordination polymer constructed from benzene-1,4-dioxydiacetic acid. <i>Inorganica Chimica Acta</i> , <b>2007</b> , 360, 3265-3271	2.7	38
14	New 3-D La(III)-Cu(II)-containing coordination polymer with a high potential porosity. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 8468-70	5.1	79

13	Synthesis, crystal structure, and porosity estimation of hydrated erbium terephthalate coordination polymers. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 5399-406	5.1	129
12	Structure and magnetic properties of Ln <sub>2</sub> [Cu(opba)] <sub>3</sub> (DMSO) <sub>6</sub> (H <sub>2</sub> O) · (H <sub>2</sub> O) compounds with LnLaLu exhibiting ladder-like molecular motifs. <i>Inorganica Chimica Acta</i> , <b>2005</b> , 358, 3246-3252	2.7	10
11	Lanthanide-containing coordination polymers. <i>Fundamental Theories of Physics</i> , <b>2004</b> , 34, 359-404	0.8	16
10	Re-investigation of the Er <sup>3+</sup> /ZrO <sub>2</sub> ·2H <sub>2</sub> O system: from the classical ceramic precursor to a new nanoporous molecular material potential precursor. <i>Comptes Rendus Chimie</i> , <b>2003</b> , 6, 405-415	2.7	24
9	Catena-poly[[bis[pentaaquaerbium(III)]-μ-benzenehexacarboxylato] tetrahydrate]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>2003</b> , 59, m277-9		16
8	Lanthanide-Based Molecular Materials: Gel Medium Induced Polymorphism. <i>Crystal Growth and Design</i> , <b>2003</b> , 3, 1015-1020	3.5	75
7	A NdIII/CuII molecular material with a honeycomb-like structure. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 176-8	5.1	36
6	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> , <b>1994</b> , 49, 3235-3242	3.2	34
5	Crystal structure and magnetic properties of [Ln <sub>2</sub> Cu <sub>4</sub> ] hexanuclear clusters (where Ln = trivalent lanthanide). Mechanism of the gadolinium(III)-copper(II) magnetic interaction. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 1822-1829	16.4	320
4	Ferromagnetically coupled gadolinium(III)/copper(II) molecular material. <i>Inorganic Chemistry</i> , <b>1992</b> , 31, 110-114	5.1	131
3	One- and two-dimensional rare earth-copper molecular materials. <i>Inorganica Chimica Acta</i> , <b>1992</b> , 198-200, 119-131	2.7	63
2	One-Dimensional MIIICuII Compounds with an Unprecedented, Tubelike Structural Motif (M = Rare-Earth Metal). <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 626-628		52
1	Synthesis, crystal structure, and magnetic properties of tetranuclear complexes containing exchange-coupled dilanthanide-dicopper(lanthanide = gadolinium, dysprosium) species. <i>Inorganic Chemistry</i> , <b>1990</b> , 29, 1750-1755	5.1	214