

François Riob

List of Publications by Year in descending order

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55
papers

1,343
citations

331259

21
h-index

360668

35
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61
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docs citations

61
times ranked

1972
citing authors

#	ARTICLE	IF	CITATIONS
1	Circularly polarized luminescence of Eu(III) complexes with chiral 1,1'-bis(2-quinaphtol)-derived bisphosphate ligands. <i>Chirality</i> , 2022, 34, 34-47.	1.3	9
2	Synthesis and Photophysical Properties of 1,1,4,4-Tetracyanobutadienes Derived from Ynamides Bearing Fluorophores**. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	10
3	Luminescent dysprosium single-molecule magnets made from designed chiral BINOL-derived bisphosphate ligands. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 963-976.	3.0	16
4	Solid-state versus solution investigation of a luminescent chiral BINOL-derived bisphosphate single-molecule magnet. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 947-962.	3.0	12
5	Luminescence, chiroptical, magnetic and <i>ab initio</i> crystal-field characterizations of an enantiopure helicoidal Yb(<i>scp</i>) complex. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 914-926.	3.0	43
6	Solid-State Near-Infrared Circularly Polarized Luminescence from Chiral Yb(<i>scp</i>) Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2021, 27, 7362-7366.	1.7	43
7	Influence of Divalent Cations in the Protein Crystallization Process Assisted by Lanthanide-Based Additives. <i>Inorganic Chemistry</i> , 2021, 60, 15208-15214.	1.9	3
8	Capturing the dynamic association between a tris-dipicolinate lanthanide complex and a decapeptide: a combined paramagnetic NMR and molecular dynamics exploration. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11224-11232.	1.3	6
9	Tuning Excited-State Properties of [2.2]Paracyclophane-Based Antennas to Ensure Efficient Sensitization of Lanthanide Ions or Singlet Oxygen Generation. <i>Inorganic Chemistry</i> , 2021, 60, 16194-16203.	1.9	1
10	Tracking Crystallophore Nucleating Properties: Setting Up a Database for Statistical Analysis. <i>Crystal Growth and Design</i> , 2020, 20, 5322-5329.	1.4	2
11	Efficient Photomodulation of Visible Eu(III) and Invisible Yb(III) Luminescences using DTE Photochromic Ligands for Optical Encryption. <i>Advanced Functional Materials</i> , 2020, 30, 2002943.	7.8	40
12	Efficient luminescence control in dithienylethene functionalized cyclen macrocyclic lanthanide complexes. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2979-2989.	3.0	7
13	Cationic Biphotonic Lanthanide Luminescent Bioprobes Based on Functionalized Cross-Bridged Cyclam Macrocycles. <i>ChemPhysChem</i> , 2020, 21, 1036-1043.	1.0	13
14	Monitoring the Production of High Diffraction-Quality Crystals of Two Enzymes in Real Time Using In Situ Dynamic Light Scattering. <i>Crystals</i> , 2020, 10, 65.	1.0	3
15	Redox-Modulations of Photophysical and Single-molecule Magnet Properties in Ytterbium Complexes Involving Extended-TTF Triads. <i>Molecules</i> , 2020, 25, 492.	1.7	11
16	Luminescence-Driven Electronic Structure Determination in a Textbook Dimeric Dy(<i>scp</i>) ₂ -Based Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2020, 26, 4389-4395.	1.7	23
17	Evidencing under-barrier phenomena in a Yb(<i>scp</i>) SMM: a joint luminescence/neutron diffraction/SQUID study. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3152-3157.	3.0	24
18	Intriguing Effects of Halogen Substitution on the Photophysical Properties of 2,9-(Bis)halo-Substituted Phenanthrolinecopper(I) Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 7730-7745.	1.9	23

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19	Dual Light and Redox Control of NIR Luminescence with Complementary Photochromic and Organometallic Antennae. <i>Journal of the American Chemical Society</i> , 2019, 141, 20026-20030.	6.6	24
20	Helicenic Complexes of Lanthanides: Influence of the f-Element on the Intersystem Crossing Efficiency and Competition between Luminescence and Oxygen Sensitization. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 118-125.	1.0	24
21	Protein crystal structure determination with the crystallophore, a nucleating and phasing agent. <i>Journal of Applied Crystallography</i> , 2019, 52, 722-731.	1.9	21
22	Crystal production and structure solution thanks to the nucleating and phasing agent, crystallophore. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e58-e58.	0.0	0
23	Teaching an old molecule new tricks: evidence and rationalisation of the slow magnetisation dynamics in [DyTp ₂ Acac]. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1346-1353.	3.0	15
24	Archaeal acetoacetyl-CoA thiolase/HMG-CoA synthase complex channels the intermediate via a fused CoA-binding site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3380-3385.	3.3	44
25	Luminescence and Single-Molecule-Magnet Behaviour in Lanthanide Coordination Complexes Involving Benzothiazole-Based Tetrathiafulvalene Ligands. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 458-468.	1.0	13
26	The multicatalytic compartment of propionyl-CoA synthase sequesters a toxic metabolite. <i>Nature Chemical Biology</i> , 2018, 14, 1127-1132.	3.9	34
27	Polyanionic Polydentate Europium Complexes as Ultrabright One- or Two-photon Bioprobes. <i>ChemPhysChem</i> , 2018, 19, 3318-3324.	1.0	11
28	Unveiling the Binding Modes of the Crystallophore, a Terbium-based Nucleating and Phasing Molecular Agent for Protein Crystallography. <i>Chemistry - A European Journal</i> , 2018, 24, 9739-9746.	1.7	19
29	Crystallophore, a unique nucleating and phasing agent for biocrystallography. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, e144-e144.	0.0	0
30	Lanthanide complexes involving multichelating TTF-based ligands. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 604-617.	3.0	21
31	Strategies toward phosphorus-containing PAHs and the effect of P-substitution on the electronic properties. <i>Pure and Applied Chemistry</i> , 2017, 89, 341-355.	0.9	9
32	Coordination Complexes of P-Containing Polycyclic Aromatic Hydrocarbons: Optical Properties and Solid-State Supramolecular Assembly. <i>Organometallics</i> , 2017, 36, 2502-2511.	1.1	16
33	Isotopically enriched polymorphs of dysprosium single molecule magnets. <i>Chemical Communications</i> , 2017, 53, 3575-3578.	2.2	59
34	Photophysical and Magnetic Properties in Complexes Containing 3d/4f Elements and Chiral Phenanthroline-Based Helicate-Like Ligands. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2100-2111.	1.0	22
35	Crystallophore: a versatile lanthanide complex for protein crystallography combining nucleating effects, phasing properties, and luminescence. <i>Chemical Science</i> , 2017, 8, 5909-5917.	3.7	58
36	Terbium(III) Luminescent Complexes as Millisecond-Scale Viscosity Probes for Lifetime Imaging. <i>Journal of the American Chemical Society</i> , 2017, 139, 7693-7696.	6.6	97

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37	Two-Color Three-State Luminescent Lanthanide Core-Shell Crystals. <i>Chemistry - A European Journal</i> , 2017, 23, 1784-1788.	1.7	12
38	Overcoming two major chokepoints of protein crystallography with lanthanide complexes. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C1083-C1083.	0.0	0
39	Paramagnetic DOSY: An Accurate Tool for the Analysis of the Supramolecular Interactions between Lanthanide Complexes and Proteins. <i>Chemistry - A European Journal</i> , 2016, 22, 18123-18131.	1.7	19
40	An all-in-one lanthanide complex to overcome the two major bottlenecks in protein crystallography. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s51-s52.	0.0	0
41	Magnetic and Photo-Physical Properties of Lanthanide Dinuclear Complexes Involving the 4,5-Bis(2-Pyridyl-N-Oxidemethylthio)-4,5-Dicarboxylic Acid-Tetrathiafulvalene-, Dimethyl Ester Ligand. <i>Inorganics</i> , 2015, 3, 554-572.	1.2	2
42	Synthesis, Electronic Properties and WOLED Devices of Planar Phosphorus-Containing Polycyclic Aromatic Hydrocarbons. <i>Chemistry - A European Journal</i> , 2015, 21, 6547-6556.	1.7	54
43	Tetrathiafulvalene-1,3,5-triazines as (Multi)Donor-Acceptor Systems with Tunable Charge Transfer: Structural, Photophysical, and Theoretical Investigations. <i>Inorganic Chemistry</i> , 2013, 52, 5023-5034.	1.9	24
44	Sensitive detection of enantiomeric excess in different acids through chiral induction in an oligo(p-phenylenevinylene) aggregate. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9152.	1.5	17
45	Twists and turns in the hierarchical self-assembly pathways of a non-amphiphilic chiral supramolecular material. <i>Chemical Communications</i> , 2012, 48, 4552.	2.2	57
46	Radical cation salts of BEDT-TTF, enantiopure tetramethyl-BEDT-TTF, and TTF-Oxazoline (TTF-Ox) donors with the homoleptic TRISPHAT anion. <i>New Journal of Chemistry</i> , 2011, 35, 2279.	1.4	21
47	Hierarchical Chiral Expression from the Nano- to Mesoscale in Synthetic Supramolecular Helical Fibers of a Nonamphiphilic C ₃ -Symmetrical π -Functional Molecule. <i>Journal of the American Chemical Society</i> , 2011, 133, 8344-8353.	6.6	154
48	Electroactive oxazoline ligands. <i>Coordination Chemistry Reviews</i> , 2010, 254, 1523-1533.	9.5	37
49	Bis(tetrathiafulvalenes) with aromatic bridges: electron delocalization in the oxidized species through EPR and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9650.	1.3	13
50	Selective monosulfoxidation of tetrathiafulvalenes into chiral TTF-sulfoxides. <i>Chirality</i> , 2009, 21, 818-825.	1.3	18
51	Mono- and Bis(tetrathiafulvalene)-1,3,5-Triazines as Covalently Linked Donor-Acceptor Systems: Structural, Spectroscopic, and Theoretical Investigations. <i>Chemistry - A European Journal</i> , 2009, 15, 380-387.	1.7	35
52	Supramolecular electroactive organogel and conducting nanofibers with C ₃ -symmetrical architectures. <i>Journal of Materials Chemistry</i> , 2009, 19, 4495.	6.7	56
53	C ₂ -symmetric chiral tetrathiafulvalene-bis(oxazolines) (TTF-BOX): new precursors for organic materials and electroactive metal complexes. <i>Chemical Communications</i> , 2009, , 3753.	2.2	26
54	Tetrathiafulvalene-oxazoline ligands in the iridium catalyzed enantioselective hydrogenation of arylimines. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1877-1882.	1.8	20

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55	Luminescent and Sublimable Binaphthyl-Based Field-Induced Lanthanide Single-Molecule Magnets. Chemistry Squared, 0, , .	0.0	0