

Francois Riob

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/835886/francois-riobe-publications-by-year.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.

48
papers

978
citations

18
h-index

29
g-index

61
ext. papers

1,194
ext. citations

5.6
avg, IF

4.09
L-index

#	Paper	IF	Citations
48	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	5.1	0
47	Solid-State Near-Infrared Circularly Polarized Luminescence from Chiral Yb -Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2021 , 27, 7362-7366	4.8	12
46	Luminescent dysprosium single-molecule magnets made from designed chiral BINOL-derived bisphosphate ligands. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 963-976	6.8	7
45	Solid-state versus solution investigation of a luminescent chiral BINOL-derived bisphosphate single-molecule magnet. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 947-962	6.8	5
44	Luminescence, chiroptical, magnetic and ab initio crystal-field characterizations of an enantiopure helicoidal Yb(III) complex. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 914-926	6.8	13
43	Influence of Divalent Cations in the Protein Crystallization Process Assisted by Lanthanide-Based Additives. <i>Inorganic Chemistry</i> , 2021 , 60, 15208-15214	5.1	0
42	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	3.6	1
41	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	15.6	19
40	Efficient luminescence control in dithienylethene functionalized cyclen macrocyclic lanthanide complexes. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2979-2989	6.8	5
39	Cationic Biphotonic Lanthanide Luminescent Bioprobes Based on Functionalized Cross-Bridged Cyclam Macrocycles. <i>ChemPhysChem</i> , 2020 , 21, 1036-1043	3.2	9
38	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	2.3	2
37	Redox-Modulations of Photophysical and Single-molecule Magnet Properties in Ytterbium Complexes Involving Extended-TTF Triads. <i>Molecules</i> , 2020 , 25,	4.8	8
36	Luminescence-Driven Electronic Structure Determination in a Textbook Dimeric Dy -Based Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2020 , 26, 4389-4395	4.8	10
35	Tracking Crystallophore Nucleating Properties: Setting Up a Database for Statistical Analysis. <i>Crystal Growth and Design</i> , 2020 , 20, 5322-5329	3.5	1
34	Evidencing under-barrier phenomena in a Yb(III) SMM: a joint luminescence/neutron diffraction/SQUID study. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 3152-3157	6.8	14
33	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	5.1	14
32	Protein crystal structure determination with the crystallophore, a nucleating and phasing agent. <i>Journal of Applied Crystallography</i> , 2019 , 52, 722-731	3.8	12

31	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	16.4	16
30	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	2.3	18
29	Teaching an old molecule new tricks: evidence and rationalisation of the slow magnetisation dynamics in [DyTp2Acac]. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 1346-1353	6.8	11
28	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	11.5	26
27	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	2.3	11
26	The multicatalytic compartment of propionyl-CoA synthase sequesters a toxic metabolite. <i>Nature Chemical Biology</i> , 2018 , 14, 1127-1132	11.7	23
25	Polyanionic Polydentate Europium Complexes as Ultrabright One- or Two-photon Bioprobes. <i>ChemPhysChem</i> , 2018 , 19, 3318	3.2	8
24	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	4.8	15
23	Lanthanide complexes involving multichelating TTF-based ligands. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 604-617	6.8	18
22	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	2.1	7
21	Coordination Complexes of P-Containing Polycyclic Aromatic Hydrocarbons: Optical Properties and Solid-State Supramolecular Assembly. <i>Organometallics</i> , 2017 , 36, 2502-2511	3.8	13
20	Isotopically enriched polymorphs of dysprosium single molecule magnets. <i>Chemical Communications</i> , 2017 , 53, 3575-3578	5.8	45
19	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	2.3	19
18	Crystallophore: a versatile lanthanide complex for protein crystallography combining nucleating effects, phasing properties, and luminescence. <i>Chemical Science</i> , 2017 , 8, 5909-5917	9.4	38
17	Terbium(III) Luminescent Complexes as Millisecond-Scale Viscosity Probes for Lifetime Imaging. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7693-7696	16.4	70
16	Two-Color Three-State Luminescent Lanthanide Core-Shell Crystals. <i>Chemistry - A European Journal</i> , 2017 , 23, 1784-1788	4.8	10
15	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	4.8	15
14	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	2.9	1

13	Synthesis, electronic properties and WOLED devices of planar phosphorus-containing polycyclic aromatic hydrocarbons. <i>Chemistry - A European Journal</i> , 2015 , 21, 6547-56	4.8	45
12	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, 5023-34	5.1	21
11	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, 9152-7	3.9	14
10	Twists and turns in the hierarchical self-assembly pathways of a non-amphiphilic chiral supramolecular material. <i>Chemical Communications</i> , 2012 , 48, 4552-4	5.8	53
9	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	3.6	18
8	Hierarchical chiral expression from the nano- to mesoscale in synthetic supramolecular helical fibers of a nonamphiphilic C ₃ -symmetrical functional molecule. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8344-53	16.4	139
7	Bis(tetrathiafulvalenes) with aromatic bridges: electron delocalization in the oxidized species through EPR and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 9650-60	3.6	10
6	Electroactive oxazoline ligands. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 1523-1533	23.2	34
5	Selective monosulfoxidation of tetrathiafulvalenes into chiral TTF-sulfoxides. <i>Chirality</i> , 2009 , 21, 818-25	2.1	17
4	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, 380-7	4.8	34
3	Supramolecular electroactive organogel and conducting nanofibers with C ₃ -symmetrical architectures. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4495		54
2	C(2)-symmetric chiral tetrathiafulvalene-bis(oxazolines) (TTF-BOX): new precursors for organic materials and electroactive metal complexes. <i>Chemical Communications</i> , 2009 , 3753-5	5.8	23
1	Tetrathiafulvalene-oxazoline ligands in the iridium catalyzed enantioselective hydrogenation of arylimines. <i>Tetrahedron: Asymmetry</i> , 2007 , 18, 1877-1882		19