

Francois Riob

List of Publications by Citations

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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	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
47	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
46	Supramolecular electroactive organogel and conducting nanofibers with C ₃ -symmetrical architectures. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4495		54
45	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
44	Isotopically enriched polymorphs of dysprosium single molecule magnets. <i>Chemical Communications</i> , 2017 , 53, 3575-3578	5.8	45
43	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
42	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
41	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
40	Electroactive oxazoline ligands. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 1523-1533	23.2	34
39	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
38	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
37	The multicatalytic compartment of propionyl-CoA synthase sequesters a toxic metabolite. <i>Nature Chemical Biology</i> , 2018 , 14, 1127-1132	11.7	23
36	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
35	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	23.1	19
34	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
33	Tetrathiafulvalene-oxazoline ligands in the iridium catalyzed enantioselective hydrogenation of arylimines. <i>Tetrahedron: Asymmetry</i> , 2007 , 18, 1877-1882		19
32	Lanthanide complexes involving multichelating TTF-based ligands. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 604-617	6.8	18

31	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
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	Selective monosulfoxidation of tetrathiafulvalenes into chiral TTF-sulfoxides. <i>Chirality</i> , 2009 , 21, 818-25	2.1	17
28	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
27	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
26	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
25	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
24	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
23	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
22	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
21	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
20	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
19	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
18	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
17	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
16	Two-Color Three-State Luminescent Lanthanide Core-Shell Crystals. <i>Chemistry - A European Journal</i> , 2017 , 23, 1784-1788	4.8	10
15	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
14	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

13	Cationic Biphotonic Lanthanide Luminescent Bioprobes Based on Functionalized Cross-Bridged Cyclam Macrocycles. <i>ChemPhysChem</i> , 2020 , 21, 1036-1043	3.2	9
12	Redox-Modulations of Photophysical and Single-molecule Magnet Properties in Ytterbium Complexes Involving Extended-TTF Triads. <i>Molecules</i> , 2020 , 25,	4.8	8
11	Polyanionic Polydentate Europium Complexes as Ultrabright One- or Two-photon Bioprobes. <i>ChemPhysChem</i> , 2018 , 19, 3318	3.2	8
10	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
9	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
8	Efficient luminescence control in dithienylethene functionalized cyclen macrocyclic lanthanide complexes. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2979-2989	6.8	5
7	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
6	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
5	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
4	Tracking Crystallophore Nucleating Properties: Setting Up a Database for Statistical Analysis. <i>Crystal Growth and Design</i> , 2020 , 20, 5322-5329	3.5	1
3	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
2	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
1	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