Boris Le Guennic

List of Publications by Year
in descending order

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249 papers	9,372 citations	30070 54 h-index	60623 81 g-index

265 all docs	265 docs citations	265 times ranked	7758 citing authors

#	Article	IF	Citations
1	Taking Up the Cyanine Challenge with Quantum Tools. Accounts of Chemical Research, 2015, 48, 530-537.	15.6	254
2	Uncommon lanthanide ions in purely 4f Single Molecule Magnets. Coordination Chemistry Reviews, 2017, 346, 150-175.	18.8	251
3	Magnetic Memory in an Isotopically Enriched and Magnetically Isolated Mononuclear Dysprosium Complex. Angewandte Chemie - International Edition, 2015, 54, 1504-1507.	13.8	191
4	A redox-active luminescent ytterbium based single molecule magnet. Chemical Communications, 2013, 49, 615-617.	4.1	181
5	Efficient Sensitization of Europium, Ytterbium, and Neodymium Functionalized Tris-Dipicolinate Lanthanide Complexes through Tunable Charge-Transfer Excited States. Inorganic Chemistry, 2008, 47, 10258-10268.	4.0	175
6	Continuous Symmetry Breaking Induced by Ion Pairing Effect in Heptamethine Cyanine Dyes: Beyond the Cyanine Limit. Journal of the American Chemical Society, 2010, 132, 4328-4335.	13.7	154
7	Synthesis and Characterization of Hypoelectronic Rhenaboranes. Analysis of the Geometric and Electronic Structures of Species Following Neither Borane nor Metal Cluster Electron-Counting Paradigms. Journal of the American Chemical Society, 2004, 126, 3203-3217.	13.7	144
8	Revisiting the optical signatures of BODIPY with ab initio tools. Chemical Science, 2013, 4, 1950.	7.4	140
9	Simultaneous Bridge-Localized and Mixed-Valence Character in Diruthenium Radical Cations Featuring Diethynylaromatic Bridging Ligands. Journal of the American Chemical Society, 2011, 133, 18433-18446.	13.7	138
10	Magnetic Poles Determinations and Robustness of Memory Effect upon Solubilization in a Dy^{III}-Based Single Ion Magnet. Journal of the American Chemical Society, 2013, 135, 16332-16335.	13.7	138
11	Cisâ€“trans isomerism modulates the magnetic relaxation of dysprosium single-molecule magnets. Chemical Science, 2016, 7, 3632-3639.	7.4	137
12	Lanthanide Ion and Tetrathiafulvalene-Based Ligand as a â€œMagicâ€•Couple toward Luminescence, Single Molecule Magnets, and Magnetostructural Correlations. Accounts of Chemical Research, 2015, 48, 2834-2842.	15.6	134
13	A planar triangular Dy₃ + Dy₃ single-molecule magnet with a toroidal magnetic moment. Chemical Communications, 2016, 52, 9570-9573.	4.1	123
14	Ruthenium Complexes ofC,Câ€˜-Bis(ethynyl)carboranes:â€‰ An Investigation of Electronic Interactions Mediated by Spherical Pseudo-aromatic Spacers. Journal of the American Chemical Society, 2008, 130, 3566-3578.	13.7	116
15	Siteâ€Resolved Twoâ€Step Relaxation Process in an Asymmetric Dy₂ Singleâ€Molecule Magnet. Chemistry - A European Journal, 2016, 22, 1392-1398.	3.3	112
16	First-Principles Investigation of the Schrock Mechanism of Dinitrogen Reduction Employing the Full HIPTN₃N Ligand. Inorganic Chemistry, 2008, 47, 3634-3650.	4.0	111
17	Cyclometalated Ir(<scp>iii</scp>) complexes with styryl-BODIPY ligands showing near IR absorption/emission: preparation, study of photophysical properties and application as photodynamic/luminescence imaging materials. Journal of Materials Chemistry B, 2014, 2, 2838-2854.	5.8	111
18	On the Computation of Adiabatic Energies in Aza-Boron-Dipyrromethene Dyes. Journal of Chemical Theory and Computation, 2012, 8, 3303-3313.	5.3	102

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19	Two-Photon Antenna Effect Induced in Octupolar Europium Complexes. Inorganic Chemistry, 2007, 46, 2659-2665.	4.0	100
20	Aza-boron-dipyrromethene dyes: TD-DFT benchmarks, spectral analysis and design of original near-IR structures. Physical Chemistry Chemical Physics, 2012, 14, 157-164.	2.8	100
21	Improving the Accuracy of Excited-State Simulations of BODIPY and Aza-BODIPY Dyes with a Joint SOS-CIS(D) and TD-DFT Approach. Journal of Chemical Theory and Computation, 2014, 10, 4574-4582.	5.3	98
22	Cubane Variations:Â Syntheses, Structures, and Magnetic Property Analyses of Lanthanide(III)â^'Copper(II) Architectures with Controlled Nuclearitiesâ€–. Inorganic Chemistry, 2007, 46, 6108-6119.	4.0	97
23	Theoretical Study of Catalytic Dinitrogen Reduction under Mild Conditions. Inorganic Chemistry, 2005, 44, 9640-9642.	4.0	94
24	Near-Infrared Nitrofluorene Substitued Aza-Boron-dipyrromethenes Dyes. Organic Letters, 2011, 13, 22-25.	4.6	94
25	Expanding the Polymethine Paradigm: Evidence for the Contribution of a Bis-Dipolar Electronic Structure. Journal of Physical Chemistry A, 2014, 118, 4038-4047.	2.5	91
26	Primary Role of the Electrostatic Contributions in a Rational Growth of Hysteresis Loop in Spin-Crossover Fe(II) Complexes. Journal of the American Chemical Society, 2009, 131, 11498-11502.	13.7	90
27	Comparative Analysis of Conjugated Alkynyl Chromophoreâ€“Triazacyclononane Ligands for Sensitized Emission of Europium and Terbium. Chemistry - A European Journal, 2014, 20, 8636-8646.	3.3	89
28	A Rare Phosphane Coordination Mode: A Symmetrically Î¼2-Bridging Phosphole in a Dinuclear Palladium(I) Complex. Angewandte Chemie - International Edition, 2001, 40, 228-231.	13.8	86
29	Luminescence and Single-Molecule Magnet Behavior in Lanthanide Complexes Involving a Tetrathiafulvalene-Fused Dipyridophenazine Ligand. Inorganic Chemistry, 2015, 54, 5384-5397.	4.0	85
30	Synthesis, Photophysics, Electrochemistry, Theoretical, and Transient Absorption Studies of Luminescent Copper(I) and Silver(I) Diynyl Complexes. X-ray Crystal Structures of [Cu3(Î¼-dppm)3(Î¼3-Î·1-Câ‹®®CCâ‹®®CPh)2]PF6 and [Cu3(Î¼-dppm)3(Î¼3-Î·1-Câ‹®®CCâ‹®®CH)2]PF6. Journal of the American Chemical Society, 2004, 126, 7300-7310.	13.7	83
31	Adaptive Coordination-Driven Supramolecular Syntheses toward New Polymetallic Cu(I) Luminescent Assemblies. Journal of the American Chemical Society, 2018, 140, 12521-12526.	13.7	81
32	A Terminal Fluoride Ligand Generates Axial Magnetic Anisotropy in Dysprosium Complexes. Angewandte Chemie - International Edition, 2018, 57, 1933-1938.	13.8	78
33	Boron Difluoride Curcuminoid Fluorophores with Enhanced Twoâ€Photon Excited Fluorescence Emission and Versatile Livingâ€Cell Imaging Properties. Chemistry - A European Journal, 2016, 22, 5219-5232.	3.3	77
34	Boranil and Related NBO Dyes: Insights From Theory. Journal of Chemical Theory and Computation, 2013, 9, 3127-3135.	5.3	74
35	What zeroth-order Hamiltonian for CASPT2 adiabatic energetics of Fe(II)N6 architectures?. Journal of Chemical Physics, 2009, 131, 114702.	3.0	72
36	Nitrogen Fixation under Mild Ambient Conditions: Part Iâ€”The Initial Dissociation/Association Step at Molybdenum Triamidoamine Complexes. Chemistry - A European Journal, 2005, 11, 7448-7460.	3.3	71

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37	Analyzing and Interpreting NMR Spinâ€“Spin Coupling Constants Using Molecular Orbital Calculations. Journal of Chemical Education, 2007, 84, 156.	2.3	71
38	Modulating the Photophysical Properties of Azamacrocyclic Europium Complexes with Charge-Transfer Antenna Chromophores. Inorganic Chemistry, 2011, 50, 4987-4999.	4.0	70
39	A Series of Tetrathiafulvalene-Based Lanthanide Complexes Displaying Either Single Molecule Magnet or Luminescenceâ€”Direct Magnetic and Photo-Physical Correlations in the Ytterbium Analogue. Inorganic Chemistry, 2013, 52, 5978-5990.	4.0	70
40	Axial Ligand Field in D_{4d} Coordination Symmetry: Magnetic Relaxation of Dy SMMs Perturbed by Counteranions. Inorganic Chemistry, 2017, 56, 11211-11219.	4.0	69
41	Hysteresis Photomodulation via Single-Crystal-to-Single-Crystal Isomerization of a Photochromic Chain of Dysprosium Single-Molecule Magnets. Journal of the American Chemical Society, 2020, 142, 931-936.	13.7	68
42	Zwitterionic [4]helicene: a water-soluble and reversible pH-triggered ECD/CPL chiroptical switch in the UV and red spectral regions. Organic and Biomolecular Chemistry, 2016, 14, 4590-4594.	2.8	67
43	Magnetic Slow Relaxation in a Metalâ€“Organic Framework Made of Chains of Ferromagnetically Coupled Singleâ€Molecule Magnets. Chemistry - A European Journal, 2018, 24, 6983-6991.	3.3	64
44	Covalency and magnetic anisotropy in lanthanide single molecule magnets: the DyDOTA archetype. Chemical Science, 2019, 10, 7233-7245.	7.4	64
45	Some transition metal complexes derived from mono- and di-ethynyl perfluorobenzenes. Dalton Transactions, 2008, , 6763.	3.3	63
46	Excited-states of BODIPYâ€“cyanines: ultimate TD-DFT challenges?. RSC Advances, 2014, 4, 49449-49456.	3.6	63
47	Tuning the Magnetic Interactions in Dy(III)₄ Single-Molecule Magnets. Inorganic Chemistry, 2018, 57, 8550-8557.	4.0	62
48	Energetics of [Fe(NCH)₆]²⁺ via CASPT2 calculations: A spinâ€crossover perspective. Journal of Computational Chemistry, 2009, 30, 2327-2333.	3.3	61
49	Elucidating the Magnetic Anisotropy and Relaxation Dynamics of Low-Coordinate Lanthanide Compounds. Inorganic Chemistry, 2016, 55, 1905-1911.	4.0	59
50	Density Functional Calculation of the Electronic Circular Dichroism Spectra of the Transition Metal Complexes [M(phen)3]2+(M = Fe, Ru, Os). Journal of Physical Chemistry A, 2005, 109, 4836-4846.	2.5	56
51	Spin crossover behavior in a family of iron(ii) zigzag chain coordination polymers. Dalton Transactions, 2007, , 934-942.	3.3	56
52	Lanthanide(III) Hexanuclear Circular Helicates: Slow Magnetic Relaxation, Toroidal Arrangement of Magnetic Moments, and Magnetocaloric Effects. Inorganic Chemistry, 2019, 58, 11903-11911.	4.0	56
53	Ligand Strain and the Nature of Spin Crossover in Binuclear Complexes: Twoâ€Step Spin Crossover in a 4,4â€²â€Bipyridineâ€Bridged Iron(II) Complex [{Fe(dpia)(NCS)₂}₂(4,4â€²â€bpy)] (dpia=di(2â€picolyl)amine; 4,4â€²â€bpy=4,4â€²â€bipyridine). Chemistry - A European Journal, 2009, 15, 10070-10082.	3.3	55
54	Electro-activity and magnetic switching in lanthanide-based single-molecule magnets. Inorganic Chemistry Frontiers, 2019, 6, 3398-3417.	6.0	55

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55	Magnetic and photo-physical investigations into Dy^{III} and Yb^{III} complexes involving tetrathiafulvalene ligand. Inorganic Chemistry Frontiers, 2015, 2, 1105-1117.	6.0	54
56	Spectral and Structural Characterization of Amidate-Bridged Platinumâ^'Thallium Complexes with Strong Metalâ^'Metal Bonds. Inorganic Chemistry, 2006, 45, 4526-4536.	4.0	53
57	Unraveling the Crystal Structure of Lanthanideâ€"Murexide Complexes: Use of an Ancient Complexometry Indicator as a Nearâ€Infraredâ€Emitting Singleâ€Ion Magnet. Chemistry - A European Journal, 2014, 20, 1569-1576.	3.3	53
58	Magnetic bistability: From microscopic to macroscopic understandings of hysteretic behavior usingab initiocalculations. Physical Review B, 2009, 79, .	3.2	52
59	Optical Signatures of OBO Fluorophores: A Theoretical Analysis. Journal of Chemical Theory and Computation, 2014, 10, 805-815.	5.3	52
60	Experimental and theoretical evidence that electrostatics governs easy-axis orientation in Dy^{III}-based molecular chains. Chemical Communications, 2014, 50, 13346-13348.	4.1	52
61	Physicochemical and Electronic Properties of Cationic [6]Helicenes: from Chemical and Electrochemical Stabilities to Farâ€Red (Polarized) Luminescence. Chemistry - A European Journal, 2016, 22, 18394-18403.	3.3	52
62	Slow magnetic relaxation in radical cation tetrathiafulvalene-based lanthanide(iii) dinuclear complexes. Chemical Communications, 2013, 49, 11632.	4.1	50
63	Antiferromagnetic Behavior Based on Quasi-Orthogonal MOs:â€‰ Synthesis and Characterization of a Cu₃ Oxidase Model. Inorganic Chemistry, 2008, 47, 572-577.	4.0	48
64	Alkylation Effects in Lanthanide Complexes Involving Tetrathiafulvalene Chromophores: Experimental and Theoretical Correlation between Magnetism and Nearâ€Infrared Emission. European Journal of Inorganic Chemistry, 2014, 2014, 69-82.	2.0	48
65	Perylene-Derived Triplet Acceptors with Optimized Excited State Energy Levels for Tripletâ€"Triplet Annihilation Assisted Upconversion. Journal of Organic Chemistry, 2014, 79, 2038-2048.	3.2	48
66	Toward Verdazyl Radical-Based Materials: Ab Initio Inspection of Potential Organic Candidates for Spin-Crossover Phenomenon. Inorganic Chemistry, 2010, 49, 1230-1237.	4.0	47
67	A Theoretical Study of the NMR Spinâ^'Spin Coupling Constants of the Complexes [(NC)5Ptâ^'Tl(CN)n]n-(n= 0â^'3) and [(NC)5Ptâ^'Tlâ^'Pt(CN)5]3-:Â A Lesson on Environmental Effects. Journal of the American Chemical Society, 2003, 125, 13585-13593.	13.7	46
68	NMR properties of platinumï£¿thallium bonded complexes: analysis of relativistic density functional theory results. Magnetic Resonance in Chemistry, 2004, 42, S99-S116.	1.9	45
69	Solvent Effects on195Pt and205Tl NMR Chemical Shifts of the Complexes[(NC)5Ptï£¿Tl(CN)n]nâ^' (n=0â€"3), and[(NC)5Ptï£¿Tlï£¿Pt(CN)5]3â^' Studied by Relativistic Density Functional Theory. Chemistry - A European Journal, 2004, 10, 2581-2589.	3.3	45
70	3d4f Heterobimetallic Dinuclear and Tetranuclear Complexes Involving Tetrathiafulvalene as Ligands: X-ray Structures and Magnetic and Photophysical Investigations. Inorganic Chemistry, 2012, 51, 8488-8501.	4.0	45
71	Lanthanide Dinuclear Complexes Involving Tetrathiafulvalene-3-pyridine-N-oxide Ligand: Semiconductor Radical Salt, Magnetic, and Photophysical Studies. Inorganic Chemistry, 2013, 52, 1398-1408.	4.0	44
72	Cationic Two-Photon Lanthanide Bioprobes Able to Accumulate in Live Cells. Inorganic Chemistry, 2016, 55, 7020-7025.	4.0	44

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73	Keto-polymethines: a versatile class of dyes with outstanding spectroscopic properties for in cellulo and in vivo two-photon microscopy imaging. Chemical Science, 2017, 8, 381-394.	7.4	43
74	Luminescence, chiroptical, magnetic andab initiocrystal-field characterizations of an enantiopure helicoidal Yb(<scp>iii</scp>) complex. Inorganic Chemistry Frontiers, 2021, 8, 914-926.	6.0	43
75	Solidâ€State Nearâ€Infrared Circularly Polarized Luminescence from Chiral Yb^{III}â€Singleâ€Molecule Magnet. Chemistry - A European Journal, 2021, 27, 7362-7366.	3.3	43
76	Investigation of the low-spin to high-spin transition in a novel [Fe(pmea)(NCS)2] complex by IR and Raman spectroscopy and DFT calculations. Journal of Raman Spectroscopy, 2006, 37, 108-122.	2.5	42
77	Stable Near-Infrared Anionic Polymethine Dyes: Structure, Photophysical, and Redox Properties. Organic Letters, 2008, 10, 4159-4162.	4.6	41
78	Coexistence of Intramolecular Ligand-Mediated and Through Hydrogen-Bond Magnetic Interactions in a Chain of Dicopper(II) Units. Inorganic Chemistry, 2011, 50, 5696-5705.	4.0	41
79	Extending Metal-Capped Polyynediyl Molecular Wires by Insertion of Inorganic Metal Units. Organometallics, 2012, 31, 4701-4706.	2.3	41
80	High Nuclearity Complexes of Lanthanide Involving Tetrathiafulvalene Ligands: Structural, Magnetic, and PhotoPhysical Properties. Inorganic Chemistry, 2013, 52, 1610-1620.	4.0	41
81	Synthesis, structures, optical properties, and TD-DFT studies of donor-Ï€-conjugated dipicolinic acid/ester/amide ligands. Tetrahedron, 2008, 64, 399-411.	1.9	40
82	Calculation of Magnetic Couplings in Hydrogen-Bonded Cu(II) Complexes Using Density Functional Theory. Journal of Physical Chemistry A, 2012, 116, 3465-3473.	2.5	40
83	Borondifluoride complexes of hemicurcuminoids as bio-inspired pushâ€“pull dyes for bioimaging. Organic and Biomolecular Chemistry, 2016, 14, 1311-1324.	2.8	40
84	Magnetic Memory from Site Isolated Dy(III) on Silica Materials. ACS Central Science, 2017, 3, 244-249.	11.3	40
85	A Dy₄ Cubane: A New Member in the Singleâ€Molecule Toroics Family. Angewandte Chemie - International Edition, 2018, 57, 17089-17093.	13.8	38
86	Helicene-Based Ligands Enable Strong Magneto-Chiral Dichroism in a Chiral Ytterbium Complex. Journal of the American Chemical Society, 2021, 143, 2671-2675.	13.7	38
87	Unraveling the Two-Photon and Excited-State Absorptions of Aza-BODIPY Dyes for Optical Power Limiting in the SWIR Band. Journal of Physical Chemistry C, 2019, 123, 23661-23673.	3.1	37
88	Ab Initio Study of Circular Dichroism and Circularly Polarized Luminescence of Spin-Allowed and Spin-Forbidden Transitions: From Organic Ketones to Lanthanide Complexes. Journal of Chemical Theory and Computation, 2019, 15, 4140-4155.	5.3	37
89	Magnetic Studies of Redoxâ€Active Tetrathiafulvaleneâ€Based Complexes: Dysprosium vs. Ytterbium Analogues. European Journal of Inorganic Chemistry, 2014, 2014, 3888-3894.	2.0	36
90	Chiral Supramolecular Nanotubes of Singleâ€Chain Magnets. Angewandte Chemie - International Edition, 2020, 59, 780-784.	13.8	36

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91	Preparation and molecular structure of Hg{Cî˜†CCî˜†C[Ru(dppe)Cp*]}2-non-linearity in a molecular rod. Inorganica Chimica Acta, 2003, 350, 175-181.	2.4	35
92	Combining the Betheâ€“Salpeter Formalism with Time-Dependent DFT Excited-State Forces to Describe Optical Signatures: NBO Fluoroborates as Working Examples. Journal of Chemical Theory and Computation, 2014, 10, 4548-4556.	5.3	34
93	Synthesis of Bioinspired Curcuminoid Small Molecules for Solution-Processed Organic Solar Cells with High Open-Circuit Voltage. ACS Energy Letters, 2017, 2, 1303-1307.	17.4	34
94	Manipulating the Relaxation of Quasi-D_{4d} Dysprosium Compounds through Alternation of the O-Donor Ligands. Inorganic Chemistry, 2018, 57, 4534-4542.	4.0	34
95	High temperature quantum tunnelling of magnetization and thousand kelvin anisotropy barrier in a Dy₂ single-molecule magnet. Chemical Communications, 2021, 57, 371-374.	4.1	33
96	Prussian Blue Analogue CsFe[Cr(CN)₆] as a Matrix for the Fe(II) Spin-Crossover. Inorganic Chemistry, 2007, 46, 11106-11111.	4.0	32
97	Doubly phenoxide-bridged binuclear copper(II) complexes with ono tridentate schiff base ligand: Synthesis, structural, magnetic and theoretical studies. Polyhedron, 2015, 86, 81-88.	2.2	31
98	Polarized Neutron Diffraction to Probe Local Magnetic Anisotropy of a Lowâ€Spin Fe(III) Complex. Angewandte Chemie - International Edition, 2016, 55, 3963-3967.	13.8	31
99	Combining a pyclen framework with conjugated antenna for the design of europium and samarium luminescent bioprobes. Chemical Communications, 2018, 54, 6173-6176.	4.1	31
100	Intramolecular rearrangements guided by adaptive coordination-driven reactions toward highly luminescent polynuclear Cu(<scp>i</scp>) assemblies. Inorganic Chemistry Frontiers, 2020, 7, 1334-1344.	6.0	31
101	Addressing Through-H Magnetic Interactions: A Comprehensive ab Initio Analysis of This Efficient Coupler. Journal of Chemical Theory and Computation, 2009, 5, 1506-1510.	5.3	30
102	The NBO pattern in luminescent chromophores: unravelling excited-state features using TD-DFT. Physical Chemistry Chemical Physics, 2013, 15, 7534.	2.8	30
103	Optimization of Magnetic Relaxation and Isotopic Enrichment in Dimeric DyIIISingle-Molecule Magnets. European Journal of Inorganic Chemistry, 2018, 2018, 326-332.	2.0	30
104	Divalent Thulium Crown Ether Complexes with Field-Induced Slow Magnetic Relaxation. Inorganic Chemistry, 2019, 58, 2872-2880.	4.0	30
105	Tetrathiafulvalene-Based Helicene Ligand in the Design of a Dysprosium Field-Induced Single-Molecule Magnet. Inorganic Chemistry, 2019, 58, 52-56.	4.0	30
106	Paramagnetic Effects on the NMR Spectra of â€œDiamagneticâ€•Ruthenium(bis-phosphine)(bis-semiquinone) Complexes. Inorganic Chemistry, 2009, 48, 5504-5511.	4.0	29
107	Magnetic and conduction properties in 1D organic radical materials: an ab initio inspection for a challenging quest. Physical Chemistry Chemical Physics, 2011, 13, 6657.	2.8	29
108	Magnetic Properties and Electronic Structures of Ar₃U^{IV}â€“L Complexes with Ar = C₅(CH₃)₄H^{â€“} or C₅H₅^{â€“} and L = CH₃, NO, and Cl. Inorganic Chemistry, 2014, 53, 13174-13187.	4.0	29

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109	Solvent Effects on Cyanine Derivatives: A PCM Investigation. Journal of Physical Chemistry A, 2014, 118, 5343-5348.	2.5	29
110	Tuning the Direction of Intramolecular Charge Transfer and the Nature of the Fluorescent State in a T-Shaped Molecular Dyad. Journal of Physical Chemistry A, 2015, 119, 6283-6295.	2.5	29
111	Homoleptic versus Heteroleptic Formation of Mononuclear Fe(II) Complexes with Tris-Imine Ligands. Inorganic Chemistry, 2016, 55, 4110-4116.	4.0	28
112	Bromine-bridged Dy2 single-molecule magnet: magnetic anisotropy driven by cis/trans stereoisomers. Chemical Communications, 2019, 55, 14661-14664.	4.1	28
113	Redox- and solvato-magnetic switching in a tetrathiafulvalene-based triad single-molecule magnet. Inorganic Chemistry Frontiers, 2020, 7, 2322-2334.	6.0	27
114	Bisâ€Cyclooctatetraenyl Thulium(II): Highly Reducing Lanthanide Sandwich Singleâ€Molecule Magnets. Angewandte Chemie - International Edition, 2021, 60, 6042-6046.	13.8	27
115	Reliability and Storage Capacity: a Compromise Illustrated in the Two-Step Spin-Crossover System [Fe(bapbpy)(NCS)₂]. Inorganic Chemistry, 2010, 49, 11057-11061.	4.0	26
116	Influence of the electron donor groups on the optical and electrochemical properties of borondifluoride complexes of curcuminoid derivatives: a joint theoretical and experimental study. RSC Advances, 2017, 7, 10132-10142.	3.6	26
117	Toward Reliable DFT Investigations of Mn-Porphyrins through CASPT2/DFT Comparison. Journal of Chemical Theory and Computation, 2011, 7, 3532-3539.	5.3	25
118	NIR Emission in Borondifluoride Complexes of 2â€²-Hydroxychalcone Derivatives Containing an Acetonaphthone Ring. Journal of Physical Chemistry C, 2014, 118, 11906-11918.	3.1	24
119	Divalent Thulium Triflate: A Structural and Spectroscopic Study. Angewandte Chemie - International Edition, 2017, 56, 4266-4271.	13.8	24
120	Analysis of the Magnetic Exchange Interactions in Yttrium(III) Complexes Containing Nitronyl Nitroxide Radicals. Inorganic Chemistry, 2017, 56, 6788-6801.	4.0	24
121	Evidencing under-barrier phenomena in a Yb(<scp>iii</scp>) SMM: a joint luminescence/neutron diffraction/SQUID study. Inorganic Chemistry Frontiers, 2019, 6, 3152-3157.	6.0	24
122	Helicenic Complexes of Lanthanides: Influence of the fâ€Element on the Intersystem Crossing Efficiency and Competition between Luminescence and Oxygen Sensitization. European Journal of Inorganic Chemistry, 2019, 2019, 118-125.	2.0	24
123	Alumina as a Simultaneous Support and Co Catalyst: Cationic Hafnium Complex Evidenced by Experimental and DFT Analyses. Journal of Physical Chemistry C, 2010, 114, 18516-18528.	3.1	23
124	transtocisphoto-isomerization in merocyanine dysprosium and yttrium complexes. Dalton Transactions, 2018, 47, 4139-4148.	3.3	23
125	A Terminal Fluoride Ligand Generates Axial Magnetic Anisotropy in Dysprosium Complexes. Angewandte Chemie, 2018, 130, 1951-1956.	2.0	23
126	Luminescenceâ€Driven Electronic Structure Determination in a Textbook Dimeric Dy^{III}â€Based Singleâ€Molecule Magnet. Chemistry - A European Journal, 2020, 26, 4389-4395.	3.3	23

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127	A 1D coordination polymer built on asymmetric Î¼1,1,3-azide bridge: from unusual topology to magnetic properties and Cu(ii)/Cu(i) redox reversibility. New Journal of Chemistry, 2012, 36, 2228.	2.8	22
128	Unprecedented Sensitization of Visible and Nearâ€Infrared Lanthanide Luminescence by Using a Tetrathiafulvaleneâ€Based Chromophore. Chemistry - an Asian Journal, 2014, 9, 2814-2825.	3.3	22
129	Photophysical and Magnetic Properties in Complexes Containing 3d/4f Elements and Chiral Phenanthroline-Based Helicate-Like Ligands. European Journal of Inorganic Chemistry, 2017, 2017, 2100-2111.	2.0	22
130	Strong Magnetic Coupling and Single-Molecule-Magnet Behavior in Lanthanide-TEMPO Radical Chains. Inorganic Chemistry, 2018, 57, 11044-11057.	4.0	22
131	Metal-Dependent Ferro- Versus Antiferromagnetic Interactions in Molecular Crystals of Square Planar {M(II) Imino-Nitroxide Radical} Complexes (M = Pt, Pd). Inorganic Chemistry, 2003, 42, 1316-1321.	4.0	21
132	Density Functional Study of Hâ^'D Coupling Constants in Heavy Metal Dihydrogen and Dihydride Complexes:â€‰ The Role of Geometry, Spinâ^'Orbit Coupling, and Gradient Corrections in the Exchange-Correlation Kernel. Journal of Chemical Theory and Computation, 2005, 1, 601-611.	5.3	21
133	Influence of the supramolecular architecture on the magnetic properties of a Dy^{III} single-molecule magnet: an ab initio investigation. Beilstein Journal of Nanotechnology, 2014, 5, 2267-2274.	2.8	21
134	Synthesis of NIR naphthyl-containing aza-BODIPYs and measure ofÂthe singlet oxygen generation. Tetrahedron, 2015, 71, 7676-7680.	1.9	21
135	Lanthanide complexes involving multichelating TTF-based ligands. Inorganic Chemistry Frontiers, 2017, 4, 604-617.	6.0	21
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