Olivier Maury

List of Publications by Year
in descending order

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253 papers	11,736 citations	19608 61 h-index	42291 92 g-index
279 all docs	279 docs citations	279 times ranked	11403 citing authors

#	Article	IF	Citations
1	Long-Lived Two-Photon Excited Luminescence of Water-Soluble Europium Complex:â€‰ Applications in Biological Imaging Using Two-Photon Scanning Microscopy. Journal of the American Chemical Society, 2008, 130, 1532-1533.	6.6	285
2	Molecular Engineering of Octupolar NLO Molecules and Materials Based on Bipyridyl Metal Complexes. Accounts of Chemical Research, 2005, 38, 691-704.	7.6	277
3	Charge transfer excited states sensitization of lanthanide emitting from the visible to the near-infra-red. Coordination Chemistry Reviews, 2012, 256, 1604-1620.	9.5	254
4	A redox-active luminescent ytterbium based single molecule magnet. Chemical Communications, 2013, 49, 615-617.	2.2	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.	1.9	175
6	Forage fauna in the diet of three large pelagic fishes (lancetfish, swordfish and yellowfin tuna) in the western equatorial Indian Ocean. Fisheries Research, 2007, 83, 60-72.	0.9	168
7	Dynamic biogeochemical provinces in the global ocean. Global Biogeochemical Cycles, 2013, 27, 1046-1058.	1.9	162
8	Linked sustainability challenges and trade-offs among fisheries, aquaculture and agriculture. Nature Ecology and Evolution, 2017, 1, 1240-1249.	3.4	161
9	Synthesis, Linear, and Quadratic-Nonlinear Optical Properties of OctupolarD3andD2dBipyridyl Metal Complexes. Chemistry - A European Journal, 2004, 10, 4454-4466.	1.7	156
10	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.	6.6	154
11	Lanthanide Complexes for Nonlinear Optics: From Fundamental Aspects to Applications. European Journal of Inorganic Chemistry, 2009, 2009, 4357-4371.	1.0	153
12	Twentyâ€firstâ€century climate change impacts on marine animal biomass and ecosystem structure across ocean basins. Global Change Biology, 2019, 25, 459-472.	4.2	151
13	Near IR Nonlinear Absorbing Chromophores with Optical Limiting Properties at Telecommunication Wavelengths. Chemistry of Materials, 2007, 19, 5325-5335.	3.2	147
14	Twoâ€Photon Absorptionâ€Related Properties of Functionalized BODIPY Dyes in the Infrared Range up to Telecommunication Wavelengths. Advanced Materials, 2009, 21, 1151-1154.	11.1	144
15	Zinc(II) as a Versatile Template for the Design of Dipolar and Octupolar NLO-phores. Journal of the American Chemical Society, 2002, 124, 4560-4561.	6.6	143
16	Lanthanide Complexes for Second Order Nonlinear Optics:Â Evidence for the Direct Contribution of f Electrons to the Quadratic Hyperpolarizability1. Journal of the American Chemical Society, 2005, 127, 13474-13475.	6.6	139
17	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.	7.6	134
18	Very bright europium complexes that stain cellular mitochondria. Chemical Communications, 2013, 49, 1600.	2.2	130

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19	Ytterbiumâ€Based Bioprobes for Nearâ€Infrared Twoâ€Photon Scanning Laser Microscopy Imaging. Angewandte Chemie - International Edition, 2012, 51, 6622-6625.	7.2	127
20	Primary Products and Mechanistic Considerations in Alkane Metathesis. Journal of the American Chemical Society, 2005, 127, 8604-8605.	6.6	121
21	Synthesis, Photophysical and Nonlinear Optical Properties of Macromolecular Architectures Featuring Octupolar Tris(bipyridine) Ruthenium(II) Moieties:Â Evidence for a Supramolecular Self-Ordering in a Dentritic Structure. Journal of the American Chemical Society, 2003, 125, 12284-12299.	6.6	119
22	Ïƒ-Bond Metathesis of Alkanes on a Silica-Supported Tantalum(V) Alkyl Alkylidene Complex: First Evidence for Alkane Cross-Metathesis. Angewandte Chemie - International Edition, 2001, 40, 2331-2334.	7.2	117
23	A protocol for the intercomparison of marine fishery and ecosystem models: Fish-MIP v1.0. Geoscientific Model Development, 2018, 11, 1421-1442.	1.3	116
24	Spatial and bodyâ€size dependent response of marine pelagic communities to projected global climate change. Global Change Biology, 2015, 21, 154-164.	4.2	114
25	Synthesis, Structural Studies, Theoretical Calculations, and Linear and Nonlinear Optical Properties of Terpyridyl Lanthanide Complexes:Â New Evidence for the Contribution of f Electrons to the NLO Activity. Journal of the American Chemical Society, 2006, 128, 12243-12255.	6.6	113
26	Indian Ocean Dipole and El NiÃ±o/Southern Oscillation impacts on regional chlorophyll anomalies in the Indian Ocean. Biogeosciences, 2013, 10, 6677-6698.	1.3	112
27	Design of Dipicolinic Acid Ligands for the Two-Photon Sensitized Luminescence of Europium Complexes with Optimized Cross-Sections. Inorganic Chemistry, 2008, 47, 10269-10279.	1.9	108
28	Modeling environmental effects on the size-structured energy flow through marine ecosystems. Part 1: The model. Progress in Oceanography, 2007, 74, 479-499.	1.5	103
29	On the Computation of Adiabatic Energies in Aza-Boron-Dipyrromethene Dyes. Journal of Chemical Theory and Computation, 2012, 8, 3303-3313.	2.3	102
30	Evaluating the Potential Impacts of the Diurnal Vertical Migration by Marine Organisms on Marine Biogeochemistry. Global Biogeochemical Cycles, 2018, 32, 1622-1643.	1.9	102
31	Two-Photon Antenna Effect Induced in Octupolar Europium Complexes. Inorganic Chemistry, 2007, 46, 2659-2665.	1.9	100
32	Aza-boron-dipyrromethene dyes: TD-DFT benchmarks, spectral analysis and design of original near-IR structures. Physical Chemistry Chemical Physics, 2012, 14, 157-164.	1.3	100
33	dâ€™f Heterobimetallic Association between Ytterbium and Ruthenium Carbon-Rich Complexes: Redox Commutation of Near-IR Luminescence. Journal of the American Chemical Society, 2011, 133, 6174-6176.	6.6	97
34	Terbium(III) Luminescent Complexes as Millisecond-Scale Viscosity Probes for Lifetime Imaging. Journal of the American Chemical Society, 2017, 139, 7693-7696.	6.6	97
35	An overview of APECOSM, a spatialized mass balanced â€œApex Predators ECOSystem Modelâ€•to study physiologically structured tuna population dynamics in their ecosystem. Progress in Oceanography, 2010, 84, 113-117.	1.5	95
36	Near-Infrared Nitrofluorene Substitued Aza-Boron-dipyrromethenes Dyes. Organic Letters, 2011, 13, 22-25.	2.4	94

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37	Near-infrared dyes for two-photon absorption in the short-wavelength infrared: strategies towards optical power limiting. Chemical Society Reviews, 2021, 50, 6613-6658.	18.7	94
38	Expanding the Polymethine Paradigm: Evidence for the Contribution of a Bis-Dipolar Electronic Structure. Journal of Physical Chemistry A, 2014, 118, 4038-4047.	1.1	91
39	Comparative Analysis of Conjugated Alkynyl Chromophoreâ€“Triazacyclononane Ligands for Sensitized Emission of Europium and Terbium. Chemistry - A European Journal, 2014, 20, 8636-8646.	1.7	89
40	Projecting the impacts of climate change on skipjack tuna abundance and spatial distribution. Global Change Biology, 2014, 20, 742-753.	4.2	89
41	Luminescence and Single-Molecule Magnet Behavior in Lanthanide Complexes Involving a Tetrathiafulvalene-Fused Dipyridophenazine Ligand. Inorganic Chemistry, 2015, 54, 5384-5397.	1.9	85
42	Supramolecular Octupolar Self-Ordering Towards Nonlinear Optics. Advanced Materials, 2001, 13, 1677-1681.	11.1	84
43	Design and synthesis of 4,4â€²-Ï€-conjugated[2,2â€²]-bipyridines: a versatile class of tunable chromophores and fluorophores. New Journal of Chemistry, 2001, 25, 1553-1566.	1.4	84
44	Tetrathiafulvaleneâ€amidoâ€2â€pyridineâ€Nâ€oxide as Efficient Chargeâ€Transfer Antenna Ligand for the Sensitization of Yb^{III} Luminescence in a Series of Lanthanide Paramagnetic Coordination Complexes. Chemistry - A European Journal, 2010, 16, 11926-11941.	1.7	84
45	2,2â€²â€Bipyrimidine as Efficient Sensitizer of the Solidâ€State Luminescence of Lanthanide and Uranyl Ions from Visible to Nearâ€Infrared. Chemistry - A European Journal, 2009, 15, 9686-9696.	1.7	83
46	Millisecond lifetime imaging with a europium complex using a commercial confocal microscope under one or two-photon excitation. Chemical Science, 2014, 5, 3475-3485.	3.7	82
47	Excited state absorption: a key phenomenon for the improvement of biphotonic based optical limiting at telecommunication wavelengths. Physical Chemistry Chemical Physics, 2012, 14, 15299.	1.3	81
48	Developing integrated models of Southern Ocean food webs: Including ecological complexity, accounting for uncertainty and the importance of scale. Progress in Oceanography, 2012, 102, 74-92.	1.5	79
49	Twoâ€Photon Microscopy and Spectroscopy of Lanthanide Bioprobes. ChemPhysChem, 2007, 8, 2125-2132.	1.0	78
50	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.	1.7	77
51	Neutral push-pull chromophores for nonlinear optical imaging of cell membranes. Organic and Biomolecular Chemistry, 2010, 8, 142-150.	1.5	74
52	Photodynamic therapy and two-photon bio-imaging applications of hydrophobic chromophores through amphiphilic polymer delivery. Photochemical and Photobiological Sciences, 2011, 10, 1216-1225.	1.6	74
53	Biogeography of tuna and billfish communities. Journal of Biogeography, 2012, 39, 114-129.	1.4	73
54	A â€œCyanineâ€”Cyanineâ€•Salt Exhibiting Photovoltaic Properties. Organic Letters, 2009, 11, 4806-4809.	2.4	70

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55	Modulating the Photophysical Properties of Azamacrocyclic Europium Complexes with Charge-Transfer Antenna Chromophores. Inorganic Chemistry, 2011, 50, 4987-4999.	1.9	70
56	From individuals to populations to communities: A dynamic energy budget model of marine ecosystem size-spectrum including life history diversity. Journal of Theoretical Biology, 2013, 324, 52-71.	0.8	70
57	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.	1.9	70
58	Pyclen-Based Ln(III) Complexes as Highly Luminescent Bioprobes for In Vitro and In Vivo One- and Two-Photon Bioimaging Applications. Journal of the American Chemical Society, 2020, 142, 10184-10197.	6.6	68
59	Structural Diversity in Neodymium Bipyrimidine Compounds with Near Infrared Luminescence: from Mono- and Binuclear Complexes to Metal-Organic Frameworks. Inorganic Chemistry, 2008, 47, 10398-10406.	1.9	67
60	Towards an acousticâ€based coupled observation and modelling system for monitoring and predicting ecosystem dynamics of the open ocean. Fish and Fisheries, 2013, 14, 605-615.	2.7	66
61	Crystalâ€Structure Determination of Powdered Paramagnetic Lanthanide Complexes by Proton NMR Spectroscopy. Angewandte Chemie - International Edition, 2009, 48, 3082-3086.	7.2	63
62	Metathesis of Alkanes: Evidence for Degenerate Metathesis of Ethane over a Silica-Supported Tantalum Hydride Prepared by Surface Organometallic Chemistry. Angewandte Chemie - International Edition, 1999, 38, 1952-1955.	7.2	62
63	Versatility of silica used as a ligand: effect of thermal treatments of silica on the nature of silica-supported alkyl tantalum species. Journal of Organometallic Chemistry, 2000, 593-594, 96-100.	0.8	62
64	Near infrared two photon imaging using a bright cationic Yb(<scp>iii</scp>) bioprobe spontaneously internalized into live cells. Chemical Communications, 2017, 53, 6005-6008.	2.2	62
65	Near-IR Two Photon Microscopy Imaging of Silica Nanoparticles Functionalized with Isolated Sensitized Yb(III) Centers. Chemistry of Materials, 2014, 26, 1062-1073.	3.2	61
66	Nonlinear Optical and Two-Photon Absorption Properties of Octupolar Tris(bipyridyl)metal Complexes. Journal of Physical Chemistry A, 2007, 111, 8980-8985.	1.1	59
67	Isotopically enriched polymorphs of dysprosium single molecule magnets. Chemical Communications, 2017, 53, 3575-3578.	2.2	59
68	Unexpected Efficiency of a Luminescent Samarium(III) Complex for Combined Visible and Nearâ€Infrared Biphotonic Microscopy. Chemistry - A European Journal, 2015, 21, 17757-17761.	1.7	58
69	Crystallophore: a versatile lanthanide complex for protein crystallography combining nucleating effects, phasing properties, and luminescence. Chemical Science, 2017, 8, 5909-5917.	3.7	58
70	Local Structures and Heterogeneity of Silica-Supported M(III) Sites Evidenced by EPR, IR, NMR, and Luminescence Spectroscopies. Journal of the American Chemical Society, 2017, 139, 8855-8867.	6.6	58
71	Coupling low and high trophic levels models: Towards a pathways-orientated approach for end-to-end models. Progress in Oceanography, 2010, 84, 105-112.	1.5	57
72	Modelling the community size-spectrum: recent developments and new directions. Ecological Modelling, 2016, 337, 4-14.	1.2	57

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73	All-Optical Orientation of Photoisomerizable Octupolar Zinc(II) Complexes in Polymer Films. Journal of the American Chemical Society, 2004, 126, 8386-8387.	6.6	55
74	On the Sensitivity of f Electrons to Their Chemical Environment. Journal of the American Chemical Society, 2008, 130, 2180-2183.	6.6	55
75	Magnetic and photo-physical investigations into Dy^{III} and Yb^{III} complexes involving tetrathiafulvalene ligand. Inorganic Chemistry Frontiers, 2015, 2, 1105-1117.	3.0	54
76	Transparent Plasmonic Nanocontainers Protect Organic Fluorophores against Photobleaching. Nano Letters, 2011, 11, 2043-2047.	4.5	53
77	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.	1.7	53
78	From shared socio-economic pathways (SSPs) to oceanic system pathways (OSPs): Building policy-relevant scenarios for global oceanic ecosystems and fisheries. Global Environmental Change, 2017, 45, 203-216.	3.6	52
79	Chiroporphyrins: An Approach to Asymmetric Catalysts with Stereocenters Near the Plane of the Porphyrin Ring. Angewandte Chemie International Edition in English, 1994, 33, 220-223.	4.4	51
80	EFFICIENT SYNTHESIS OF NEW NITROGEN DONOR CONTAINING TRIPODS UNDER MICROWAVE IRRADIATION AND WITHOUT SOLVENT. Synthetic Communications, 2001, 31, 1315-1321.	1.1	51
81	4-(2-Tetrathiafulvalenyl-ethenyl)pyridine (TTFâ”CHâ•CHâ”Py) Radical Cation Salts Containing Poly(Î²-diketonate) Rare Earth Complexes: Synthesis, Crystal Structure, Photoluminescent and Magnetic Properties. Inorganic Chemistry, 2009, 48, 7421-7429.	1.9	51
82	Thiophene-substituted aza-bodipy as a strategic synthon for the design of near-infrared dyes. New Journal of Chemistry, 2012, 36, 768.	1.4	51
83	New paramagnetic ruthenium complexes via one-electron reduction of metallacumulenes. Chemical Communications, 2001, , 373-374.	2.2	48
84	In Solution Sensitization of Er(III) Luminescence by the 4-Tetrathiafulvalene-2,6-pyridinedicarboxylic Acid Dimethyl Antenna Ligand. Inorganic Chemistry, 2012, 51, 978-984.	1.9	48
85	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.	1.0	48
86	New bipyridyl ligands bearing azo- and imino-linked chromophores. Synthesis and nonlinear optical studies of related dipolar zinc complexesâ€. Chemical Communications, 1999, , 2521-2522.	2.2	47
87	Modeling environmental effects on the size-structured energy flow through marine ecosystems. Part 2: Simulations. Progress in Oceanography, 2007, 74, 500-514.	1.5	46
88	Modeling fish population movements: From an individual-based representation to an advectionâ€“diffusion equation. Journal of Theoretical Biology, 2007, 247, 837-848.	0.8	46
89	Lanthanide Dinuclear Complexes Involving Tetrathiafulvalene-3-pyridine-N-oxide Ligand: Semiconductor Radical Salt, Magnetic, and Photophysical Studies. Inorganic Chemistry, 2013, 52, 1398-1408.	1.9	44
90	Cationic Two-Photon Lanthanide Bioprobes Able to Accumulate in Live Cells. Inorganic Chemistry, 2016, 55, 7020-7025.	1.9	44

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91	Archaeal acetoacetyl-CoA thiolase/HMG-CoA synthase complex channels the intermediate via a fused CoA-binding site. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3380-3385.	3.3	44
92	Global biogeochemical provinces of the mesopelagic zone. Journal of Biogeography, 2018, 45, 500-514.	1.4	44
93	Bright Luminescent Silica Nanoparticles for Two-Photon Microscopy Imaging via Controlled Formation of 4,4â€²-Diethylaminostyryl-2,2â€²-bipyridine Zn(II) Surface Complexes. Chemistry of Materials, 2011, 23, 3228-3236.	3.2	43
94	Crystal Structure of pb9, the Distal Tail Protein of Bacteriophage T5: a Conserved Structural Motif among All Siphophages. Journal of Virology, 2014, 88, 820-828.	1.5	43
95	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.	3.7	43
96	Luminescence, chiroptical, magnetic andab initiocrystal-field characterizations of an enantiopure helicoidal Yb(<scp>iii</scp>) complex. Inorganic Chemistry Frontiers, 2021, 8, 914-926.	3.0	43
97	Solidâ€State Nearâ€Infrared Circularly Polarized Luminescence from Chiral Yb^{III}â€Singleâ€Molecule Magnet. Chemistry - A European Journal, 2021, 27, 7362-7366.	1.7	43
98	NIR electrochemical fluorescence switching from polymethine dyes. Chemical Science, 2014, 5, 1538-1544.	3.7	42
99	First lanthanide dipolar complexes for second-order nonlinear optics. Chemical Communications, 2004, , 2180-2181.	2.2	41
100	Protein Crystallography through Supramolecular Interactions between a Lanthanide Complex and Arginine. Angewandte Chemie - International Edition, 2008, 47, 3388-3391.	7.2	41
101	Stable Near-Infrared Anionic Polymethine Dyes: Structure, Photophysical, and Redox Properties. Organic Letters, 2008, 10, 4159-4162.	2.4	41
102	A dynamic and mechanistic model of PCB bioaccumulation in the European hake (Merluccius) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	0.6	41
103	An improved singlet oxygen sensitizer with two-photon absorption and emission in the biological transparency window as a result of ground state symmetry-breaking. Chemical Communications, 2012, 48, 1689-1691.	2.2	41
104	High Nuclearity Complexes of Lanthanide Involving Tetrathiafulvalene Ligands: Structural, Magnetic, and PhotoPhysical Properties. Inorganic Chemistry, 2013, 52, 1610-1620.	1.9	41
105	Influence of mesoscale eddies on biological production in the Mozambique Channel: Several contrasted examples from a coupled ocean-biogeochemistry model. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 100, 79-93.	0.6	41
106	Synthesis, structures, optical properties, and TD-DFT studies of donor-Ï€-conjugated dipicolinic acid/ester/amide ligands. Tetrahedron, 2008, 64, 399-411.	1.0	40
107	Magnetic Memory from Site Isolated Dy(III) on Silica Materials. ACS Central Science, 2017, 3, 244-249.	5.3	40
108	Efficient Photomodulation of Visible Eu(III) and Invisible Yb(III) Luminescences using DTE Photochromic Ligands for Optical Encryption. Advanced Functional Materials, 2020, 30, 2002943.	7.8	40

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109	Synthesis of a highly thermally stable octupolar polyimide for nonlinear optics. Chemical Communications, 2001, , 2430-2431.	2.2	38
110	Biocompatible well-defined chromophoreâ€“polymer conjugates for photodynamic therapy and two-photon imaging. Polymer Chemistry, 2013, 4, 61-67.	1.9	38
111	Two-photon multiplexing bio-imaging using a combination of Eu- and Tb-bioprobes. Dalton Transactions, 2015, 44, 4918-4924.	1.6	38
112	Efficient hybrid materials for optical power limiting at telecommunication wavelengths. Journal of Materials Chemistry C, 2014, 2, 5105.	2.7	37
113	Lanthanide Sensitization with Ruthenium Carbon-Rich Complexes and Redox Commutation of Near-IR Luminescence. Organometallics, 2014, 33, 4824-4835.	1.1	37
114	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.	1.5	37
115	SHADYS (â€˜simulateur halieutique de dynamiques spatialesâ€™), a GIS based numerical model of fisheries. Example application: The study of a marine protected area. Aquatic Living Resources, 1999, 12, 77-88.	0.5	36
116	Magnetic Studies of Redoxâ€Active Tetrathiafulvaleneâ€Based Complexes: Dysprosium vs. Ytterbium Analogues. European Journal of Inorganic Chemistry, 2014, 2014, 3888-3894.	1.0	36
117	Design of Near-Infrared-Absorbing Unsymmetrical Polymethine Dyes with Large Quadratic Hyperpolarizabilities. Chemistry of Materials, 2018, 30, 3410-3418.	3.2	35
118	Climate impacts and oceanic top predators: moving from impacts to adaptation in oceanic systems. Reviews in Fish Biology and Fisheries, 2013, 23, 537-546.	2.4	34
119	The multicatalytic compartment of propionyl-CoA synthase sequesters a toxic metabolite. Nature Chemical Biology, 2018, 14, 1127-1132.	3.9	34
120	A â€œMultiâ€Heavyâ€Atomâ€•Approach toward Biphotonic Photosensitizers with Improved Singletâ€Oxygen Generation Properties. Chemistry - A European Journal, 2019, 25, 9026-9034.	1.7	34
121	Diastereoselective Homochiral Self-Assembly Between Anions and Cation in Solution. European Journal of Inorganic Chemistry, 2001, 2001, 201-204.	1.0	32
122	New 4,4â€²-oligophenylenevinylene functionalized-[2,2â€²]-bipyridyl chromophores: synthesis, optical and thermal properties. Tetrahedron Letters, 2004, 45, 125-128.	0.7	32
123	Sensitization of Eu(III) luminescence by donor-phenylethynyl-functionalized DTPA and DO3A macrocycles. Comptes Rendus Chimie, 2010, 13, 681-690.	0.2	32
124	Influence of the Metal Ion on the Twoâ€Photon Absorption Properties of Lanthanide Complexes Including Nearâ€IR Emitters. ChemPhysChem, 2013, 14, 3361-3367.	1.0	32
125	One-Photon Near-Infrared Sensitization of Well-Defined Yb(III) Surface Complexes for NIR-to-NIR Single Nanoparticle Imaging. Chemistry of Materials, 2015, 27, 2033-2039.	3.2	32
126	Twisted Chargeâ€Transfer Antennae for Ultraâ€Bright Terbium(III) and Dysprosium(III) Bioprobes. Chemistry - A European Journal, 2018, 24, 3408-3412.	1.7	32

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127	Metallopinacolate Intermediates in the Reductive Coupling of Acetone Promoted by Uranium Reagents. Angewandte Chemie International Edition in English, 1996, 35, 1129-1130.	4.4	31
128	Combining a pyclen framework with conjugated antenna for the design of europium and samarium luminescent bioprobes. Chemical Communications, 2018, 54, 6173-6176.	2.2	31
129	Light-induced self-written waveguide fabrication using 1550â€‰â€‰nm laser light. Optics Letters, 2017, 42, 2236.	1.7	30
130	Divalent Thulium Crown Ether Complexes with Field-Induced Slow Magnetic Relaxation. Inorganic Chemistry, 2019, 58, 2872-2880.	1.9	30
131	New Star-Shaped Metallo-Polymeric Chromophores. Macromolecular Rapid Communications, 2003, 24, 630-635.	2.0	29
132	Modelling the effect of marine protected areas on the population of skipjack tuna in the Indian Ocean. Aquatic Living Resources, 2013, 26, 171-178.	0.5	29
133	Effects of the Metal Center and Substituting Groups on the Linear and Nonlinear Optical Properties of Substituted Styryl-Bipyridine Metal(II) Dichloride Complexes: DFT and TDDFT Computational Investigations and Harmonic Light Scattering Measurements. Journal of Physical Chemistry A, 2010, 114, 5429-5438.	1.1	28
134	Food security or economic profitability? Projecting the effects of climate and socioeconomic changes on global skipjack tuna fisheries under three management strategies. Global Environmental Change, 2016, 41, 1-12.	3.6	28
135	Modelling the skipjack tuna dynamics in the Indian Ocean with APECOSM-E: Part 1. Model formulation. Ecological Modelling, 2012, 245, 41-54.	1.2	27
136	NIR Electrofluorochromic Properties of Aza-Boron-dipyrromethene Dyes. Scientific Reports, 2016, 6, 18867.	1.6	27
137	Synthesis of chromophores combining second harmonic generation and two photon induced fluorescence properties. Chemical Communications, 2006, , 4744-4746.	2.2	26
138	Modulation of Eu(III) and Yb(III) Luminescence Using a DTE Photochromic Ligand. Inorganic Chemistry, 2016, 55, 12635-12643.	1.9	26
139	Aza-BODIPY Platform: Toward an Efficient Water-Soluble Bimodal Imaging Probe for MRI and Near-Infrared Fluorescence. Inorganic Chemistry, 2020, 59, 1306-1314.	1.9	26
140	Lanthanideâ€Based Dinuclear Complexes Involving an oâ€Quinoneâ€“Tetrathiafulvaleneâ€“oâ€Quinone Bridging Ligand: Xâ€ray Structures, Magnetic and Photophysical Properties. European Journal of Inorganic Chemistry, 2012, 2012, 4708-4718.	1.0	25
141	Solution, solid state structure and fluorescence studies of 2,3-functionalized quinoxalines: evidence for a Ï€-delocalized keto-enamine form with Nâ€“HÂ·Â·Â·O intramolecular hydrogen bonds. New Journal of Chemistry, 2001, 25, 391-395.	1.4	24
142	Hydroxy-Functionalized Bipyridine and Tris(bipyridine)metal Chromophores: Synthesis and Optical Properties. European Journal of Organic Chemistry, 2002, 2002, 3024-3033.	1.2	24
143	Role of spatial distortions on the quadratic nonlinear optical properties of octupolar organic and metallo-organic molecules. Journal of Chemical Physics, 2007, 126, 034312.	1.2	24
144	Divalent Thulium Triflate: A Structural and Spectroscopic Study. Angewandte Chemie - International Edition, 2017, 56, 4266-4271.	7.2	24

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145	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.	3.0	24
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