

Jean-Claude G BÃ¼nzli

List of Publications by Year in descending order

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324
papers

32,131
citations

4960

84
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4645

170
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340
all docs

340
docs citations

340
times ranked

15668
citing authors

#	ARTICLE	IF	CITATIONS
1	Taking advantage of luminescent lanthanide ions. <i>Chemical Society Reviews</i> , 2005, 34, 1048.	38.1	3,335
2	Lanthanide luminescence for functional materials and bio-sciences. <i>Chemical Society Reviews</i> , 2010, 39, 189-227.	38.1	3,065
3	Lanthanide Luminescence for Biomedical Analyses and Imaging. <i>Chemical Reviews</i> , 2010, 110, 2729-2755.	47.7	2,309
4	Benefiting from the Unique Properties of Lanthanide Ions. <i>Accounts of Chemical Research</i> , 2006, 39, 53-61.	15.6	980
5	On the design of highly luminescent lanthanide complexes. <i>Coordination Chemistry Reviews</i> , 2015, 293-294, 19-47.	18.8	975
6	Lanthanide-Containing Molecular and Supramolecular Polymetallic Functional Assemblies. <i>Chemical Reviews</i> , 2002, 102, 1897-1928.	47.7	961
7	Intriguing aspects of lanthanide luminescence. <i>Chemical Science</i> , 2013, 4, 1939.	7.4	579
8	Lanthanide NIR luminescence for telecommunications, bioanalyses and solar energy conversion. <i>Journal of Rare Earths</i> , 2010, 28, 824-842.	4.8	549
9	New Opportunities for Lanthanide Luminescence. <i>Journal of Rare Earths</i> , 2007, 25, 257-274.	4.8	483
10	Rare earths: jewels for functional materials of the future. <i>New Journal of Chemistry</i> , 2011, 35, 1165.	2.8	440
11	Stable Lanthanide Luminescence Agents Highly Emissive in Aqueous Solution: $\text{A}^{\text{multidentate 2-Hydroxyisophthalamide Complexes of Sm}^{3+}$, Eu^{3+} , Tb^{3+} , Dy^{3+} . <i>Journal of the American Chemical Society</i> , 2003, 125, 13324-13325.	13.7	438
12	Mono- and polymetallic lanthanide-containing functional assemblies: a field between tradition and novelty. <i>Chemical Society Reviews</i> , 1999, 28, 347-358.	38.1	354
13	Self-assembly and photophysical properties of lanthanide dinuclear triple-helical complexes. <i>Journal of the American Chemical Society</i> , 1993, 115, 8197-8206.	13.7	308
14	Lanthanide light for biology and medical diagnosis. <i>Journal of Luminescence</i> , 2016, 170, 866-878.	3.1	249
15	Extending Lifetimes of Lanthanide-Based Near-Infrared Emitters (Nd, Yb) in the Millisecond Range through Cr(III) Sensitization in Discrete Bimetallic Edifices. <i>Journal of the American Chemical Society</i> , 2003, 125, 15698-15699.	13.7	244
16	Review: Lanthanide coordination chemistry: from old concepts to coordination polymers. <i>Journal of Coordination Chemistry</i> , 2014, 67, 3706-3733.	2.2	240
17	Lanthanide Podates with Predetermined Structural and Photophysical Properties: $\text{A}^{\text{Strongly Luminescent Self-Assembled Heterodinuclear d}^{\text{f}} \text{Complexes with a Segmental Ligand Containing Heterocyclic Imines and Carboxamide Binding Units. Journal of the American Chemical Society, 1996, 118, 6681-6697.}$	13.7	233
18	Europium and Terbiumtris(Dipicolinates) as Secondary Standards for Quantum Yield Determination. <i>Spectroscopy Letters</i> , 2004, 37, 517-532.	1.0	231

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19	Intrinsic quantum yields and radiative lifetimes of lanthanide tris(dipicolinates). <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 1346.	2.8	230
20	Near-infrared-triggered photon upconversion tuning in all-inorganic cesium lead halide perovskite quantum dots. <i>Nature Communications</i> , 2018, 9, 3462.	12.8	222
21	Lanthanide Helicates Self-Assembled in Water: A New Class of Highly Stable and Luminescent Dimetallic Carboxylates. <i>Journal of the American Chemical Society</i> , 1999, 121, 10747-10762.	13.7	217
22	Lanthanide luminescence efficiency in eight- and nine-coordinate complexes: Role of the radiative lifetime. <i>Coordination Chemistry Reviews</i> , 2010, 254, 2623-2633.	18.8	214
23	Visible and Near-Infrared Luminescence of Lanthanide-Containing Dimetallic Triple-Stranded Helicates: Energy Transfer Mechanisms in the SmIII and YbIII Molecular Edifices. <i>Journal of Physical Chemistry A</i> , 2002, 106, 1670-1677.	2.5	199
24	Stereocontrolled Self-Assembly and Self-Sorting of Luminescent Europium Tetrahedral Cages. <i>Journal of the American Chemical Society</i> , 2015, 137, 8550-8555.	13.7	197
25	Basics of Lanthanide Photophysics. <i>Springer Series on Fluorescence</i> , 2010, , 1-45.	0.8	178
26	Structural and Luminescent Properties of Micro- and Nanosized Particles of Lanthanide Terephthalate Coordination Polymers. <i>Inorganic Chemistry</i> , 2008, 47, 3700-3708.	4.0	177
27	Tuning the Decay Time of Lanthanide-Based Near Infrared Luminescence from Micro- to Milliseconds through Energy Transfer in Discrete Heterobimetallic Complexes. <i>Chemistry - A European Journal</i> , 2005, 11, 3228-3242.	3.3	176
28	Lanthanide Luminescent Bioprobes (LLBs). <i>Chemistry Letters</i> , 2009, 38, 104-109.	1.3	175
29	Synthetic, Structural, and Spectroscopic Studies on Solids Containing Tris(dipicolinato) Rare Earth Anions and Transition or Main Group Metal Cations. <i>Inorganic Chemistry</i> , 1995, 34, 2068-2076.	4.0	174
30	Highly Luminescent and Triboluminescent Coordination Polymers Assembled from Lanthanide β -Diketonates and Aromatic Bidentate O^{N} -Donor Ligands. <i>Inorganic Chemistry</i> , 2010, 49, 9300-9311.	4.0	171
31	Near-Infrared-Visible Light Upconversion in a Molecular Trinuclear $\text{d}^{\text{f}}\text{f}^{\text{d}}$ Complex. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4108-4112.	13.8	171
32	Role of Inner- and Outer-Sphere Bonding in the Sensitization of Eu^{III} -Luminescence Deciphered by Combined Analysis of Experimental Electron Density Distribution Function and Photophysical Data. <i>Inorganic Chemistry</i> , 2008, 47, 11095-11107.	4.0	159
33	Rare earth complexes with neutral macrocyclic ligands. <i>Coordination Chemistry Reviews</i> , 1984, 60, 191-253.	18.8	156
34	Luminescent Bimetallic Lanthanide Bioprobes for Cellular Imaging with Excitation in the Visible Light Range. <i>Chemistry - A European Journal</i> , 2009, 15, 885-900.	3.3	149
35	Rising Stars in Science and Technology: Luminescent Lanthanide Materials. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5058-5063.	2.0	149
36	Molecular Control of Macroscopic Cubic, Columnar, and Lamellar Organizations in Luminescent Lanthanide-Containing Thermotropic Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2005, 127, 888-903.	13.7	147

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37	Tuning the Emission Color of Europium-Containing Ionic Liquid-Crystalline Phases. <i>Chemistry of Materials</i> , 2004, 16, 4063-4070.	6.7	142
38	A hybrid erbium(III)â€“bacteriochlorin near-infrared probe for multiplexed biomedical imaging. <i>Nature Materials</i> , 2021, 20, 1571-1578.	27.5	138
39	Influence of charge-transfer states on the Eu(III) luminescence in mononuclear triple helical complexes with tridentate aromatic ligands. <i>Journal of Luminescence</i> , 1999, 82, 69-79.	3.1	135
40	Lanthanide mechanoluminescence. <i>Journal of Rare Earths</i> , 2018, 36, 1-41.	4.8	131
41	Structural and photophysical properties of lanthanide complexes with planar aromatic tridentate nitrogen ligands as luminescent building blocks for triple-helical structures. <i>Inorganic Chemistry</i> , 1993, 32, 4139-4149.	4.0	129
42	Brilliant Photoluminescence and Triboluminescence from Ternary Complexes of Dy^{III} and Tb^{III} with 3-Phenyl-4-propanoyl-5-isoxazonate and a Bidentate Phosphine Oxide Coligand. <i>Inorganic Chemistry</i> , 2013, 52, 8750-8758.	4.0	129
43	Impact of Lanthanide Nanomaterials on Photonic Devices and Smart Applications. <i>Small</i> , 2018, 14, e1801882.	10.0	128
44	High-Spin Iron(II) as a Semitransparent Partner for Tuning Europium(III) Luminescence in Heterodimetallic d-f Complexes. <i>Chemistry - A European Journal</i> , 2001, 7, 3014-3024.	3.3	126
45	Quantum yield and brightness. <i>Journal of Luminescence</i> , 2020, 224, 117256.	3.1	125
46	Nine-Coordinate Lanthanide Podates with Predetermined Structural and Electronic Properties:Â Facial Organization of Unsymmetrical Tridentate Binding Units by a Protonated Covalent Tripod. <i>Journal of the American Chemical Society</i> , 1999, 121, 9326-9342.	13.7	124
47	Stable 8-Hydroxyquinolate-Based Podates as Efficient Sensitizers of Lanthanide Near-Infrared Luminescence. <i>Inorganic Chemistry</i> , 2006, 45, 732-743.	4.0	124
48	Chapter 235 Lanthanide Near-Infrared Luminescence in Molecular Probes and Devices. <i>Fundamental Theories of Physics</i> , 2007, 37, 217-470.	0.3	123
49	Self-Assembled Dinuclear Lanthanide Helicates:â€“ Substantial Luminescence Enhancement upon Replacing Terminal Benzimidazole Groups by Carboxamide Binding Units. <i>Inorganic Chemistry</i> , 1998, 37, 577-589.	4.0	122
50	Complexes of lanthanoid salts with macrocyclic ligands. 41. Photophysical properties of lanthanide dinuclear complexes with p-tert-butylcalix[8]arene. <i>Inorganic Chemistry</i> , 1993, 32, 3306-3311.	4.0	117
51	Luminescent Properties of Lanthanide Nitrate Complexes with Substituted Bis(benzimidazolyl)pyridines. <i>Inorganic Chemistry</i> , 1997, 36, 1345-1353.	4.0	117
52	Optimizing Millisecond Time Scale Near-Infrared Emission in Polynuclear Chrome(III)â€“Lanthanide(III) Complexes. <i>Journal of the American Chemical Society</i> , 2012, 134, 12675-12684.	13.7	117
53	Design of luminescent building blocks for supramolecular triple-helical lanthanide complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 83-97.	1.1	115
54	NIR Lanthanide Luminescence by Energy Transfer from Appended Terpyridineâ€“Boradiazaindacene Dyes. <i>Chemistry - A European Journal</i> , 2006, 12, 5060-5067.	3.3	112

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55	Highly Efficient Near-IR Emitting Yb/Yb and Yb/Al Helicates. <i>Journal of the American Chemical Society</i> , 2007, 129, 14178-14179.	13.7	112
56	A Novel Strategy for the Design of 8-Hydroxyquinolate-Based Lanthanide Bioprobes That Emit in the Near Infrared Range. <i>Chemistry - A European Journal</i> , 2007, 13, 936-944.	3.3	111
57	In Search for Mononuclear Helical Lanthanide Building Blocks with Predetermined Properties: Triple-Stranded Helical Complexes with N,N,N',N' -tetraethylpyridine-2,6-dicarboxamide. <i>Chemistry - A European Journal</i> , 1997, 3, 1646-1659.	3.3	109
58	Selective Self-Assembly of Hexameric Homo- and Heteropolymetallic Lanthanide Wheels: Synthesis, Structure, and Photophysical Studies. <i>Inorganic Chemistry</i> , 2007, 46, 625-637.	4.0	108
59	A Versatile Ditopic Ligand System for Sensitizing the Luminescence of Bimetallic Lanthanide Bioimaging Probes. <i>Chemistry - A European Journal</i> , 2008, 14, 1726-1739.	3.3	107
60	Intermolecular Interactions as Actors in Energy-Transfer Processes in Lanthanide Complexes with 2,2'-Bipyridine. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9265-9277.	2.6	105
61	Surprisingly Bright Near-Infrared Luminescence and Short Radiative Lifetimes of Ytterbium in Hetero-Binuclear $\text{Yb}^{\text{II}}/\text{Na}$ Chelates. <i>Inorganic Chemistry</i> , 2009, 48, 7937-7946.	4.0	103
62	Role of the Ancillary Ligand N,N -Dimethylaminoethanol in the Sensitization of Eu^{III} and Tb^{III} Luminescence in Dimeric f^2 -Diketonates. <i>Journal of Physical Chemistry A</i> , 2008, 112, 3614-3626.	2.5	102
63	A supramolecular lanthanide separation approach based on multivalent cooperative enhancement of metal ion selectivity. <i>Nature Communications</i> , 2018, 9, 547.	12.8	102
64	Designing Simple Tridentate Ligands for Highly Luminescent Europium Complexes. <i>Chemistry - A European Journal</i> , 2009, 15, 10790-10802.	3.3	101
65	Structural and Photophysical Properties of Heterobimetallic 4f-Zn Iminophenolate Cryptates. <i>Inorganic Chemistry</i> , 2002, 41, 5336-5349.	4.0	99
66	Enhancement of near-IR emission by bromine substitution in lanthanide complexes with 2-carboxamide-8-hydroxyquinoline. <i>Chemical Communications</i> , 2007, , 1834-1836.	4.1	99
67	Deciphering Three Beneficial Effects of 2,2'-Bipyridine- N,N -dioxide on the Luminescence Sensitization of Lanthanide(III) Hexafluoroacetylacetonate Ternary Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 5137-5144.	4.0	99
68	Lanthanide Photonics: Shaping the Nanoworld. <i>Trends in Chemistry</i> , 2019, 1, 751-762.	8.5	99
69	Intense Near-Infrared Luminescence of a Mesomorphic Ionic Liquid Doped with Lanthanide f^2 -Diketonate Ternary Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4739-4744.	2.0	97
70	A Polyoxyethylene-Substituted Bimetallic Europium Helicate for Luminescent Staining of Living Cells. <i>Chemistry - A European Journal</i> , 2007, 13, 9515-9526.	3.3	97
71	Thermotropic lanthanidomesogens. <i>Chemical Communications</i> , 2006, , 3755-3768.	4.1	95
72	Benzothiazole- and Benzoxazole-Substituted Pyridine-2-Carboxylates as Efficient Sensitizers of Europium Luminescence. <i>Inorganic Chemistry</i> , 2009, 48, 6178-6191.	4.0	95

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73	Stability and Size-Discriminating Effects in Mononuclear Lanthanide Triple-Helical Building Blocks with Tridentate Aromatic Ligands. <i>Inorganic Chemistry</i> , 1997, 36, 5750-5760.	4.0	94
74	Supramolecular Recognition of Heteropairs of Lanthanide Ions: A Step toward Self-Assembled Bifunctional Probes. <i>Inorganic Chemistry</i> , 2004, 43, 515-529.	4.0	94
75	Influence of Anionic Functions on the Coordination and Photophysical Properties of Lanthanide(III) Complexes with Tridentate Bipyridines. <i>Inorganic Chemistry</i> , 2004, 43, 7369-7379.	4.0	94
76	Non-covalent lanthanide podates with predetermined physicochemical properties: iron(II) spin-state equilibria in self-assembled heterodinuclear dâ€“f supramolecular complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 421-434.	1.1	93
77	Structural and Photophysical Properties of Lanthanide Nitrate 1:1 Complexes with planar tridentate nitrogen ligands analogous to 2,2â€“6â€“,2â€“-terpyridine. <i>Helvetica Chimica Acta</i> , 1992, 75, 1697-1717.	1.6	92
78	Remarkable Tuning of the Photophysical Properties of Bifunctional Lanthanide tris(Dipicolinates) and its Consequence on the Design of Bioprobes. <i>Inorganic Chemistry</i> , 2008, 47, 7802-7812.	4.0	91
79	Influence of Symmetry on the Luminescence and Radiative Lifetime of Nine-Coordinate Europium Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 9166-9173.	4.0	91
80	Time-resolved luminescence microscopy of bimetallic lanthanide helicates in living cells. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 4125.	2.8	90
81	Lanthanide Bimetallic Helicates for <i>In Vitro</i> Imaging and Sensing. <i>Annals of the New York Academy of Sciences</i> , 2008, 1130, 97-105.	3.8	89
82	Introducing Bulky Functional Lanthanide Cores into Thermotropic Metallomesogens: A Bottom-Up Approach. <i>Advanced Functional Materials</i> , 2006, 16, 157-168.	14.9	86
83	Modulating the Near-Infrared Luminescence of Neodymium and Ytterbium Complexes with Tridentate Ligands Based on Benzoxazole-Substituted 8-Hydroxyquinolines. <i>Inorganic Chemistry</i> , 2009, 48, 2908-2918.	4.0	85
84	A new tetrakis β^2 -diketone ligand for NIR emitting Ln(III) ions: luminescent doped PMMA films and flexible resins for advanced photonic applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6935.	5.5	85
85	Lanthanide 8-hydroxyquinoline-based podates with efficient emission in the NIR range. <i>Chemical Communications</i> , 2005, , 1432-1434.	4.1	84
86	N-Aryl Chromophore Ligands for Bright Europium Luminescence. <i>Inorganic Chemistry</i> , 2010, 49, 3927-3936.	4.0	84
87	Bioconjugated lanthanide luminescent helicates as multilabels for lab-on-a-chip detection of cancer biomarkers. <i>Analyst</i> , 2010, 135, 42-52.	3.5	84
88	2,2â€“Bipyrimidine as Efficient Sensitizer of the Solid-State Luminescence of Lanthanide and Uranyl Ions from Visible to Near-Infrared. <i>Chemistry - A European Journal</i> , 2009, 15, 9686-9696.	3.3	83
89	Structural and photophysical properties of europium(III) mixed complexes with β^2 -diketonates and o-phenanthroline. <i>Journal of Alloys and Compounds</i> , 1994, 207-208, 107-111.	5.5	81
90	A kinetically inert and optically active Cr(III) partner in thermodynamically self-assembled heterodimetallic non-covalent dâ€“f podates. <i>Dalton Transactions RSC</i> , 2002, , 1929.	2.3	80

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91	Eu(III) Luminescence in a Hygroscopic Ionic Liquid: Effect of Water and Evidence for a Complexation Process. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1190-1197.	2.0	80
92	Dimeric Complexes of Lanthanide(III) Hexafluoroacetylacetonates with 4-Cyanopyridine N-Oxide: Synthesis, Crystal Structure, Magnetic and Photoluminescent Properties. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 4809-4820.	2.0	79
93	Lanthanides in Solar Energy Conversion. <i>Fundamental Theories of Physics</i> , 2014, 44, 169-281.	0.3	78
94	Bent Tridentate Receptors in Calamitic Mesophases with Predetermined Photophysical Properties: New Luminescent Lanthanide-Containing Materials. <i>Journal of the American Chemical Society</i> , 1998, 120, 12274-12288.	13.7	77
95	Near-Infrared Luminescence of Nine-Coordinate Neodymium Complexes with Benzimidazole-Substituted 8-Hydroxyquinolines. <i>Inorganic Chemistry</i> , 2008, 47, 9055-9068.	4.0	76
96	Color and Brightness Tuning in Heteronuclear Lanthanide Terephthalate Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3464-3476.	2.0	76
97	Crystal structure and emission spectrum of the undecacoordinate complex tris(nitrato)-1,4,7,10,13-pentaoxacyclopentadecane europium(III). <i>Inorganic Chemistry</i> , 1982, 21, 808-812.	4.0	75
98	Strong enhancement of the lanthanide-centred luminescence in complexes with 4-alkylated 2,2',6',6'-terpyridines. <i>Dalton Transactions RSC</i> , 2000, , 2809-2816.	2.3	74
99	Luminescent lanthanide bimetallic triple-stranded helicates as potential cellular imaging probes. <i>Chemical Communications</i> , 2007, , 1716-1718.	4.1	73
100	Enthalpy and kinetics of isomerization of quadricyclane to norbornadiene. Strain energy of quadricyclane. <i>Journal of the American Chemical Society</i> , 1975, 97, 1510-1512.	13.7	72
101	Programming Heteropolymetallic Lanthanide Helicates: Thermodynamic Recognition of Different Metal Ions Along the Strands. <i>Chemistry - A European Journal</i> , 2004, 10, 1091-1105.	3.3	72
102	Learning from lanthanide complexes: The development of dye-lanthanide nanoparticles and their biomedical applications. <i>Coordination Chemistry Reviews</i> , 2021, 429, 213642.	18.8	72
103	Lanthanide Homobimetallic Triple-Stranded Helicates: Insight into the Self-Assembly Mechanism. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 51-62.	2.0	71
104	Macrocyclic complexes with lanthanoid salts part 38. Synthesis and luminescence study of homo- and hetero-binuclear complexes of lanthanides with a new cyclic compartmental Schiff base. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 647-655.	1.1	70
105	Photophysical properties of lanthanide dinuclear complexes with p-nitro-calix[8]arene. <i>Inorganica Chimica Acta</i> , 1996, 246, 195-205.	2.4	70
106	Multiphoton-Excited Luminescent Lanthanide Bioprobes: Two- and Three-Photon Cross Sections of Dipicolinate Derivatives and Binuclear Helicates. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2932-2937.	2.6	70
107	Modulating the Photophysical Properties of Azamacrocyclic Europium Complexes with Charge-Transfer Antenna Chromophores. <i>Inorganic Chemistry</i> , 2011, 50, 4987-4999.	4.0	70
108	Isolated d ^f pairs in supramolecular complexes with tunable structural and electronic properties. <i>Dalton Transactions RSC</i> , 2000, , 3999-4006.	2.3	68

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109	Structural and photophysical properties of LnIII complexes with 2,2'-bipyridine-6,6'-dicarboxylic acid: surprising formation of a H-bonded network of bimetallic entities. Dalton Transactions RSC, 2000, , 1917-1923.	2.3	67
110	Discriminating between lanthanide ions: self-assembly of heterodimetallic triple-stranded helicates. Chemical Communications, 2002, , 214-215.	4.1	67
111	A Eu ^{III} Tetrakis(1 ² -diketonate) Dimeric Complex: Photophysical Properties, Structural Elucidation by Sparkle/AM1 Calculations, and Doping into PMMA Films and Nanowires. Inorganic Chemistry, 2014, 53, 8407-8417.	4.0	67
112	Lanthanide Luminescence: From a Mystery to Rationalization, Understanding, and Applications. Fundamental Theories of Physics, 2016, 50, 141-176.	0.3	67
113	Self-assembly of the first heterodinuclear d ^f triple helix in solution. Journal of the Chemical Society Chemical Communications, 1995, .	2.0	65
114	Complexes of p-tert-butylcalix[5]arene with lanthanides: synthesis, structure and photophysical properties. Journal of the Chemical Society Dalton Transactions, 1998, , 505-510.	1.1	65
115	Lanthanide Podates with Programmed Intermolecular Interactions: Luminescence Enhancement through Association with Cyclodextrins and Unusually Large Relaxivity of the Gadolinium Self-Aggregates. Journal of the American Chemical Society, 2000, 122, 10810-10820.	13.7	64
116	Influence of Bulky N-Substituents on the Formation of Lanthanide Triple Helical Complexes with a Ligand Derived from Bis(benzimidazole)pyridine: Structural and Thermodynamic Evidence. Inorganic Chemistry, 2001, 40, 2642-2651.	4.0	64
117	Encapsulation of labile trivalent lanthanides into a homobimetallic chromium(iii)-containing triple-stranded helicate. Synthesis, characterization, and divergent intramolecular energy transfers. Dalton Transactions, 2006, , 2647-2660.	3.3	64
118	Dual Emission from Luminescent Nonlanthanide Clusters. Inorganic Chemistry, 2006, 45, 3158-3160.	4.0	64
119	In Search for Mononuclear Helical Lanthanide Building Blocks with Predetermined Properties: Lanthanide Complexes with Diethyl Pyridine-2, 6-Dicarboxylate. Chemistry - A European Journal, 1997, 3, 1660-1667.	3.3	63
120	Metal-Centered Photoluminescence as a Tool for Detecting Phase Transitions in EuIII- and TbIII-Containing Metallomesogens. Chemistry of Materials, 2004, 16, 3257-3266.	6.7	63
121	The luminescence of Na _x Eu _{3+(2x)/3} MoO ₄ scheelites depends on the number of Eu-clusters occurring in their incommensurately modulated structure. Chemical Science, 2012, 3, 384-390.	7.4	63
122	Connecting Terminal Carboxylate Groups in Nine-Coordinate Lanthanide Podates: Consequences on the Thermodynamic, Structural, Electronic, and Photophysical Properties. Inorganic Chemistry, 2003, 42, 4680-4695.	4.0	62
123	Unusual Electronic Effects of Electron-Withdrawing Sulfonamide Groups in Optically and Magnetically Active Self-Assembled Noncovalent Heterodimetallic d ^f Podates. Inorganic Chemistry, 2000, 39, 5059-5073.	4.0	61
124	The First Self-Assembled Trimetallic Lanthanide Helicates Driven by Positive Cooperativity. Chemistry - A European Journal, 2003, 9, 1860-1875.	3.3	60
125	Highly Luminescent Homoleptic Europium Chelates. Inorganic Chemistry, 2009, 48, 5611-5613.	4.0	59
126	Trivalent lanthanide ions: versatile coordination centers with unique spectroscopic and magnetic properties. Journal of Alloys and Compounds, 2000, 303-304, 66-74.	5.5	58

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127	Structural and Photophysical Properties of Pseudo-Tricapped Trigonal Prismatic Lanthanide building blocks controlled by zinc(II) in heterodinuclear d-f complexes. <i>Helvetica Chimica Acta</i> , 1995, 78, 1541-1566.	1.6	56
128	Luminescent coordination nanoparticles. <i>New Journal of Chemistry</i> , 2008, 32, 584.	2.8	56
129	Emerging role of machine learning in light-matter interaction. <i>Light: Science and Applications</i> , 2019, 8, 84.	16.6	56
130	Lanthanide tetrapyrrole complexes: synthesis, redox chemistry, photophysical properties, and photonic applications. <i>Chemical Society Reviews</i> , 2021, 50, 12189-12257.	38.1	56
131	Energy-transfer processes in lanthanide dinuclear complexes with p-tert-butylcalix[8]arene: an example of dipole-dipolar mechanism. <i>The Journal of Physical Chemistry</i> , 1994, 98, 532-536.	2.9	55
132	Aromatic Bent-Core Liquid Crystals: An Opportunity for Introducing Tridentate Binding Units into Mesophases. <i>Chemistry of Materials</i> , 2002, 14, 1075-1090.	6.7	55
133	Luminescence-detected phase transitions in lanthanide-containing liquid crystals. <i>Chemical Communications</i> , 2003, , 1226-1227.	4.1	55
134	Guidelines for measurement of luminescence spectra and quantum yields of inorganic and organometallic compounds in solution and solid state (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2016, 88, 701-711.	1.9	55
135	Vibrational Spectra of Anhydrous Lanthanum, Europium, Gadolinium, and Dysprosium Nitrates and Oxinitrates. <i>Helvetica Chimica Acta</i> , 1978, 61, 762-771.	1.6	54
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