Michael Seitz

List of Publications by Year
in descending order

52 papers	1,958 citations	279487 23 h-index	243296 44 g-index
54 all docs	54 docs citations	54 times ranked	1906 citing authors

#	Article	IF	Citations
1	The Lanthanide Contraction Revisited. Journal of the American Chemical Society, 2007, 129, 11153-11160.	6.6	244
2	Enantiopure, Octadentate Ligands as Sensitizers for Europium and Terbium Circularly Polarized Luminescence in Aqueous Solution. Journal of the American Chemical Society, 2007, 129, 15468-15470.	6.6	115
3	Understanding and exploiting long-lived near-infrared emission of a molecular ruby. Coordination Chemistry Reviews, 2018, 359, 102-111.	9.5	114
4	Understanding the Quenching Effects of Aromatic Câ€“H- and Câ€“D-Oscillators in Near-IR Lanthanoid Luminescence. Journal of the American Chemical Society, 2012, 134, 16413-16423.	6.6	101
5	Deuterated Molecular Ruby with Record Luminescence Quantum Yield. Angewandte Chemie - International Edition, 2018, 57, 1112-1116.	7.2	94
6	Quantification of Câˆ’H Quenching in Near-IR Luminescent Ytterbium and Neodymium Cryptates. Journal of the American Chemical Society, 2010, 132, 14334-14335.	6.6	92
7	Luminescence and Lightâ€Driven Energy and Electron Transfer from an Exceptionally Longâ€Lived Excited State of a Nonâ€Innocent Chromium(III) Complex. Angewandte Chemie - International Edition, 2019, 58, 18075-18085.	7.2	87
8	The Radiative Lifetime in Nearâ€IRâ€Luminescent Ytterbium Cryptates: The Key to Extremely High Quantum Yields. Angewandte Chemie - International Edition, 2015, 54, 9719-9721.	7.2	78
9	A Vanadium(III) Complex with Blue and NIR-II Spin-Flip Luminescence in Solution. Journal of the American Chemical Society, 2020, 142, 7947-7955.	6.6	74
10	Strong circularly polarized luminescence of an octahedral chromium(<scp>iii</scp>) complex. Chemical Communications, 2019, 55, 13078-13081.	2.2	73
11	Strongly Red-Emissive Molecular Ruby [Cr(bpmp)₂]³⁺ Surpasses [Ru(bpy)₃]²⁺. Journal of the American Chemical Society, 2021, 143, 11843-11855.	6.6	66
12	Rigid, Perdeuterated Lanthanoid Cryptates: Extraordinarily Bright Near-IR Luminophores.. Inorganic Chemistry, 2012, 51, 4539-4545.	1.9	58
13	Nearâ€IR to Nearâ€IR Upconversion Luminescence in Molecular Chromium Ytterbium Salts. Angewandte Chemie - International Edition, 2020, 59, 18804-18808.	7.2	49
14	Breakdown of the Energy Gap Law in Molecular Lanthanoid Luminescence: The Smallest Energy Gap Is Not Universally Relevant for Nonradiative Deactivation. Inorganic Chemistry, 2014, 53, 3263-3265.	1.9	44
15	Circularly Polarized Luminescence in Enantiopure Europium and Terbium Complexes with Modular, All-Oxygen Donor Ligands. Inorganic Chemistry, 2009, 48, 8469-8479.	1.9	43
16	Anomalous Reversal of Câ€“H and Câ€“D Quenching Efficiencies in Luminescent Praseodymium Cryptates. Journal of the American Chemical Society, 2012, 134, 13915-13917.	6.6	42
17	Preparation and Biological Evaluation of Diâ€Heteroâ€Organometallicâ€Containing PNA Bioconjugates. European Journal of Inorganic Chemistry, 2011, 2011, 5471-5478.	1.0	40
18	1,2-HOIQOa Highly Versatile 1,2-HOPO Analogue. Inorganic Chemistry, 2007, 46, 351-353.	1.9	33

#	Article	IF	Citations
19	Perdeuterated 2,2â€²-Bipyridine-6,6â€²-dicarboxylate: An Extremely Efficient Sensitizer for Thulium Luminescence in Solution. Inorganic Chemistry, 2013, 52, 13301-13303.	1.9	32
20	Circularly Polarised Luminescence in Enantiopure Samarium and Europium Cryptates. Chemistry - A European Journal, 2018, 24, 13556-13564.	1.7	31
21	Ultrafast and long-time excited state kinetics of an NIR-emissive vanadium(<scp>iii</scp>) complex I: synthesis, spectroscopy and static quantum chemistry. Chemical Science, 2021, 12, 10780-10790.	3.7	28
22	Luminescence and Lightâ€Driven Energy and Electron Transfer from an Exceptionally Longâ€Lived Excited State of a Nonâ€Innocent Chromium(III) Complex. Angewandte Chemie, 2019, 131, 18243-18253.	1.6	26
23	Understanding the Optical and Magnetic Properties of Ytterbium(III) Complexes. Inorganic Chemistry, 2019, 58, 3732-3743.	1.9	25
24	Dependence of the Photophysical Properties on the Number of 2,2â€²-Bipyridine Units in a Series of Luminescent Europium and Terbium Cryptates. Inorganic Chemistry, 2012, 51, 9343-9349.	1.9	24
25	Lanthanide Sensitizers for Large Anti-Stokes Shift Near-Infrared-to-Visible Tripletâ€“Triplet Annihilation Photon Upconversion. Journal of Physical Chemistry Letters, 2020, 11, 2477-2481.	2.1	24
26	Extending the Excitation Wavelength of Potential Photosensitizers via Appendage of a Kinetically Stable Terbium(III) Macrocyclic Complex for Applications in Photodynamic Therapy. Inorganic Chemistry, 2017, 56, 7960-7974.	1.9	23
27	Distinct photodynamics of Îº-N and Îº-C pseudoisomeric iron(<scp>ii</scp>) complexes. Chemical Communications, 2021, 57, 6640-6643.	2.2	23
28	Deuterierter molekularer Rubin mit Rekordâ€Lumineszenzquantenausbeute. Angewandte Chemie, 2018, 130, 1125-1130.	1.6	21
29	4,4â€²-Bis(trifluoromethyl)-2,2â€²-bipyridine â€“ a multipurpose ligand scaffold for lanthanoid-based luminescence/19F NMR probes. Dalton Transactions, 2013, 42, 13882.	1.6	17
30	Modulating the Electronic and Solidâ€State Structure of Organic Semiconductors by Siteâ€Specific Substitution: The Case of Tetrafluoropentacenes. Chemistry - A European Journal, 2020, 26, 3420-3434.	1.7	16
31	Bright Luminescence by Combining Chiral [2.2]Paracyclophane with a Boronâ€“Nitrogenâ€Doped Polyaromatic Hydrocarbon Building Block. Chemistry - A European Journal, 2022, 28, .	1.7	16
32	Magnetic Anisotropy in Functionalized Bipyridyl Cryptates. Inorganic Chemistry, 2016, 55, 5549-5557.	1.9	15
33	Efficient Ytterbium Near-Infrared Luminophore Based on a Nondeuterated Ligand. Inorganic Chemistry, 2019, 58, 6959-6965.	1.9	15
34	NIRâ€NIRâ€Aufkonvertierung in molekularen Chromâ€Ytterbiumâ€Salzen. Angewandte Chemie, 2020, 132, 18966-18970.	1.6	15
35	Chiral Resolution of Lanthanoid Cryptates with Extreme Configurational Stability. Inorganic Chemistry, 2017, 56, 8752-8754.	1.9	14
36	Direct solid-phase synthesis of molecular heterooligonuclear lanthanoid-complexes. Nature Communications, 2020, 11, 1346.	5.8	13

#	Article	IF	Citations
37	The first enantiopure lanthanoid cryptate. Dalton Transactions, 2014, 43, 4238-4241.	1.6	12
38	Synthesis of Inert Homo- and Heterodinuclear Rare-Earth Cryptates. Inorganic Chemistry, 2015, 54, 9681-9683.	1.9	12
39	Long Wavelength Excitation of Europium Luminescence in Extended, Carboline-Based Cryptates. Inorganic Chemistry, 2018, 57, 7390-7401.	1.9	12
40	Nonradiative Deactivation of Lanthanoid Excited States by Inner-Sphere Carboxylates. Inorganic Chemistry, 2015, 54, 10841-10848.	1.9	11
41	Anion dependent ion pairing in concentrated ytterbium halide solutions. Journal of Chemical Physics, 2018, 148, 222802.	1.2	10
42	Computational Estimation of Lanthanoidâ^'Water Bond Lengths by Semiempirical Methods. Journal of Chemical Information and Modeling, 2010, 50, 217-220.	2.5	9
43	Radiative Lifetime, Nonâ€Radiative Relaxation, and Sensitization Efficiency in Luminescent Europium and Neodymium Cryptates â€“ The Roles of 2,2â€²â€²Bipyridineâ€N,Nâ€²â€dioxide and Deuteration. ChemPhysChem, 2019, 20, 2179-2186.	2.6	9
44	Vacancy control in acene blends links exothermic singlet fission to coherence. Nature Communications, 2021, 12, 5149.	5.8	9
45	Highly Fluorescent Group 13 Metal Complexes With Cyclic, Aromatic Hydroxamic Acid Ligands. Inorganic Chemistry, 2008, 47, 8665-8673.	1.9	8
46	Nonradiative Deactivation of Lanthanoid Luminescence by Multiphonon Relaxation in Molecular Complexes. Fundamental Theories of Physics, 2018, 53, 35-79.	0.1	7
47	Rare-earth coordination polymers with multimodal luminescence on the nano-, micro-, and milli-second time scales. IScience, 2021, 24, 102207.	1.9	5
48	Efficient Route to Highly Waterâ€Soluble Aromatic Cyclic Hydroxamic Acid Ligands. European Journal of Organic Chemistry, 2008, 2008, 2697-2700.	1.2	4
49	Circularly polarized luminescence of enantiopure carboline-based europium cryptates under visible light excitation. Journal of Rare Earths, 2020, 38, 564-570.	2.5	4
50	Ion Mobility Studies of Pyrroloquinoline Quinone Aza-Crown Etherâ€“Lanthanide Complexes. Journal of the American Society for Mass Spectrometry, 2022, 33, 722-730.	1.2	3
51	Unexpected discovery of calcium cryptates with exceptional stability. Chemical Communications, 2020, 56, 9874-9877.	2.2	1
52	Titelbild: Luminescence and Lightâ€Driven Energy and Electron Transfer from an Exceptionally Longâ€Lived Excited State of a Nonâ€Innocent Chromium(III) Complex (Angew. Chem. 50/2019). Angewandte Chemie, 2019, 131, 18045-18045.	1.6	0