

Michael Seitz

List of Publications by Year in descending order

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52
papers

1,958
citations

279487

23
h-index

243296

44
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54
all docs

54
docs citations

54
times ranked

1906
citing authors

#	ARTICLE	IF	CITATIONS
1	Bright Luminescence by Combining Chiral [2.2]Paracyclophane with a Boron- ¹⁰ Nitrogen-Doped Polyaromatic Hydrocarbon Building Block. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	16
2	Ion Mobility Studies of Pyrroloquinoline Quinone Aza-Crown Ether-Lanthanide Complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 722-730.	1.2	3
3	Ultrafast and long-time excited state kinetics of an NIR-emissive vanadium(III) complex I: synthesis, spectroscopy and static quantum chemistry. <i>Chemical Science</i> , 2021, 12, 10780-10790.	3.7	28
4	Distinct photodynamics of ¹⁰ N and ¹³ C pseudoisomeric iron(II) complexes. <i>Chemical Communications</i> , 2021, 57, 6640-6643.	2.2	23
5	Rare-earth coordination polymers with multimodal luminescence on the nano-, micro-, and milli-second time scales. <i>IScience</i> , 2021, 24, 102207.	1.9	5
6	Strongly Red-Emissive Molecular Ruby [Cr(bpmp) ₂] ³⁺ Surpasses [Ru(bpy) ₃] ²⁺ . <i>Journal of the American Chemical Society</i> , 2021, 143, 11843-11855.	6.6	66
7	Vacancy control in acene blends links exothermic singlet fission to coherence. <i>Nature Communications</i> , 2021, 12, 5149.	5.8	9
8	Unexpected discovery of calcium cryptates with exceptional stability. <i>Chemical Communications</i> , 2020, 56, 9874-9877.	2.2	1
9	NIR-NIR-Aufkonvertierung in molekularen Chrom-Ytterbium-Salzen. <i>Angewandte Chemie</i> , 2020, 132, 18966-18970.	1.6	15
10	Near-IR to Near-IR Upconversion Luminescence in Molecular Chromium Ytterbium Salts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18804-18808.	7.2	49
11	Direct solid-phase synthesis of molecular heterooligonuclear lanthanoid-complexes. <i>Nature Communications</i> , 2020, 11, 1346.	5.8	13
12	Lanthanide Sensitizers for Large Anti-Stokes Shift Near-Infrared-to-Visible Triplet-Triplet Annihilation Photon Upconversion. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2477-2481.	2.1	24
13	Modulating the Electronic and Solid-State Structure of Organic Semiconductors by Site-Specific Substitution: The Case of Tetrafluoropentacenes. <i>Chemistry - A European Journal</i> , 2020, 26, 3420-3434.	1.7	16
14	Circularly polarized luminescence of enantiopure carboline-based europium cryptates under visible light excitation. <i>Journal of Rare Earths</i> , 2020, 38, 564-570.	2.5	4
15	A Vanadium(III) Complex with Blue and NIR-II Spin-Flip Luminescence in Solution. <i>Journal of the American Chemical Society</i> , 2020, 142, 7947-7955.	6.6	74
16	Radiative Lifetime, Non-Radiative Relaxation, and Sensitization Efficiency in Luminescent Europium and Neodymium Cryptates - The Roles of 2,2'-Bipyridine-N,N'-dioxide and Deuteration. <i>ChemPhysChem</i> , 2019, 20, 2179-2186.	1.0	9
17	Luminescence and Light-Driven Energy and Electron Transfer from an Exceptionally Long-Lived Excited State of a Non-Innocent Chromium(III) Complex. <i>Angewandte Chemie</i> , 2019, 131, 18243-18253.	1.6	26
18	Luminescence and Light-Driven Energy and Electron Transfer from an Exceptionally Long-Lived Excited State of a Non-Innocent Chromium(III) Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18075-18085.	7.2	87

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19	Efficient Ytterbium Near-Infrared Luminophore Based on a Nondeuterated Ligand. <i>Inorganic Chemistry</i> , 2019, 58, 6959-6965.	1.9	15
20	Understanding the Optical and Magnetic Properties of Ytterbium(III) Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 3732-3743.	1.9	25
21	Titelbild: Luminescence and Light-Driven Energy and Electron Transfer from an Exceptionally Long-Lived Excited State of a Non-Innocent Chromium(III) Complex (<i>Angew. Chem.</i> 50/2019). <i>Angewandte Chemie</i> , 2019, 131, 18045-18045.	1.6	0
22	Strong circularly polarized luminescence of an octahedral chromium(III) complex. <i>Chemical Communications</i> , 2019, 55, 13078-13081.	2.2	73
23	Anion dependent ion pairing in concentrated ytterbium halide solutions. <i>Journal of Chemical Physics</i> , 2018, 148, 222802.	1.2	10
24	Understanding and exploiting long-lived near-infrared emission of a molecular ruby. <i>Coordination Chemistry Reviews</i> , 2018, 359, 102-111.	9.5	114
25	Deuterierter molekularer Rubin mit Rekord-Lumineszenzquantenausbeute. <i>Angewandte Chemie</i> , 2018, 130, 1125-1130.	1.6	21
26	Deuterated Molecular Ruby with Record Luminescence Quantum Yield. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1112-1116.	7.2	94
27	Long Wavelength Excitation of Europium Luminescence in Extended, Carboline-Based Cryptates. <i>Inorganic Chemistry</i> , 2018, 57, 7390-7401.	1.9	12
28	Nonradiative Deactivation of Lanthanoid Luminescence by Multiphonon Relaxation in Molecular Complexes. <i>Fundamental Theories of Physics</i> , 2018, 53, 35-79.	0.1	7
29	Circularly Polarised Luminescence in Enantiopure Samarium and Europium Cryptates. <i>Chemistry - A European Journal</i> , 2018, 24, 13556-13564.	1.7	31
30	Chiral Resolution of Lanthanoid Cryptates with Extreme Configurational Stability. <i>Inorganic Chemistry</i> , 2017, 56, 8752-8754.	1.9	14
31	Extending the Excitation Wavelength of Potential Photosensitizers via Appendage of a Kinetically Stable Terbium(III) Macrocyclic Complex for Applications in Photodynamic Therapy. <i>Inorganic Chemistry</i> , 2017, 56, 7960-7974.	1.9	23
32	Magnetic Anisotropy in Functionalized Bipyridyl Cryptates. <i>Inorganic Chemistry</i> , 2016, 55, 5549-5557.	1.9	15
33	The Radiative Lifetime in Near-Infrared Luminescent Ytterbium Cryptates: The Key to Extremely High Quantum Yields. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9719-9721.	7.2	78
34	Synthesis of Inert Homo- and Heterodinuclear Rare-Earth Cryptates. <i>Inorganic Chemistry</i> , 2015, 54, 9681-9683.	1.9	12
35	Nonradiative Deactivation of Lanthanoid Excited States by Inner-Sphere Carboxylates. <i>Inorganic Chemistry</i> , 2015, 54, 10841-10848.	1.9	11
36	The first enantiopure lanthanoid cryptate. <i>Dalton Transactions</i> , 2014, 43, 4238-4241.	1.6	12

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37	Breakdown of the Energy Gap Law in Molecular Lanthanoid Luminescence: The Smallest Energy Gap Is Not Universally Relevant for Nonradiative Deactivation. <i>Inorganic Chemistry</i> , 2014, 53, 3263-3265.	1.9	44
38	Perdeuterated 2,2'-Bipyridine-6,6'-dicarboxylate: An Extremely Efficient Sensitizer for Thulium Luminescence in Solution. <i>Inorganic Chemistry</i> , 2013, 52, 13301-13303.	1.9	32
39	4,4'-Bis(trifluoromethyl)-2,2'-bipyridine " a multipurpose ligand scaffold for lanthanoid-based luminescence/ ¹⁹ F NMR probes. <i>Dalton Transactions</i> , 2013, 42, 13882.	1.6	17
40	Dependence of the Photophysical Properties on the Number of 2,2'-Bipyridine Units in a Series of Luminescent Europium and Terbium Cryptates. <i>Inorganic Chemistry</i> , 2012, 51, 9343-9349.	1.9	24
41	Understanding the Quenching Effects of Aromatic C-H- and C-D-Oscillators in Near-IR Lanthanoid Luminescence. <i>Journal of the American Chemical Society</i> , 2012, 134, 16413-16423.	6.6	101
42	Anomalous Reversal of C-H and C-D Quenching Efficiencies in Luminescent Praseodymium Cryptates. <i>Journal of the American Chemical Society</i> , 2012, 134, 13915-13917.	6.6	42
43	Rigid, Perdeuterated Lanthanoid Cryptates: Extraordinarily Bright Near-IR Luminophores.. <i>Inorganic Chemistry</i> , 2012, 51, 4539-4545.	1.9	58
44	Preparation and Biological Evaluation of Di-Hetero-Organometallic-Containing PNA Bioconjugates. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5471-5478.	1.0	40
45	Computational Estimation of Lanthanoid-Water Bond Lengths by Semiempirical Methods. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 217-220.	2.5	9
46	Quantification of C-H Quenching in Near-IR Luminescent Ytterbium and Neodymium Cryptates. <i>Journal of the American Chemical Society</i> , 2010, 132, 14334-14335.	6.6	92
47	Circularly Polarized Luminescence in Enantiopure Europium and Terbium Complexes with Modular, All-Oxygen Donor Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 8469-8479.	1.9	43
48	Efficient Route to Highly Water-Soluble Aromatic Cyclic Hydroxamic Acid Ligands. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2697-2700.	1.2	4
49	Highly Fluorescent Group 13 Metal Complexes With Cyclic, Aromatic Hydroxamic Acid Ligands. <i>Inorganic Chemistry</i> , 2008, 47, 8665-8673.	1.9	8
50	Enantiopure, Octadentate Ligands as Sensitizers for Europium and Terbium Circularly Polarized Luminescence in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2007, 129, 15468-15470.	6.6	115
51	The Lanthanide Contraction Revisited. <i>Journal of the American Chemical Society</i> , 2007, 129, 11153-11160.	6.6	244
52	1,2-HOIQOa Highly Versatile 1,2-HOPO Analogue. <i>Inorganic Chemistry</i> , 2007, 46, 351-353.	1.9	33