

Klaus Mller-Buschbaum

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

118
papers

3,669
citations

31
h-index

57
g-index

129
ext. papers

4,047
ext. citations

5.9
avg, IF

5.86
L-index

#	Paper	IF	Citations
118	Metal-Organic Framework MIL-68(In)-NH ₂ on the Membrane Test Bench for Dye Removal and Carbon Capture. <i>Chemie-Ingenieur-Technik</i> , 2022 , 94, 135-144	0.8	0
117	Luminescent magnets: hybrid supraparticles of a lanthanide-based MOF and ferromagnetic iron oxide by assembly in a droplet via spray-drying. <i>Journal of Materials Chemistry C</i> , 2022 , 10, 1017-1028	7.1	3
116	Iodine Chemisorption, Interpenetration and Polycatenation: Cationic MOFs and CPs from Group 13 Metal Halides and Dipyridyl Linkers.. <i>Chemistry - A European Journal</i> , 2022 , e202200881	4.8	0
115	Red emitting Sm(II) phosphors: thermally switchable luminescence in Sm(AlX) (X = Cl, Br) by 5d-4f and intra-4f transitions. <i>Chemical Communications</i> , 2021 , 57, 11984-11987	5.8	0
114	Variable Luminescence and Chromaticity of Homoleptic Frameworks of the Lanthanides together with Pyridylpyrazolates. <i>Chemistry - A European Journal</i> , 2021 , 27, 16634-16641	4.8	3
113	2D-Coordination Polymers Constituted from Indium Halides and Dipyridyl N-Donor Ligands. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 1227-1233	1.3	1
112	Phosphorescence Afterglow and Thermal Properties of [ScCl ₃ (ptpy)] (ptpy: 4-phenyl-2,2'-bipyridine). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 359-364	1.3	1
111	2- and 2,7-Substituted para-N-Methylpyridinium Pyrenes: Syntheses, Molecular and Electronic Structures, Photophysical, Electrochemical, and Spectroelectrochemical Properties and Binding to Double-Stranded (ds) DNA. <i>Chemistry - A European Journal</i> , 2021 , 27, 2837-2853	4.8	5
110	Crystal and electronic structure, thermochemical and photophysical properties of europium-silver sulfate monohydrate AgEu(SO ₄) ₂ ·H ₂ O. <i>Journal of Solid State Chemistry</i> , 2021 , 294, 121898	3.3	2
109	Negative thermal expansion in one-dimension of a new double sulfate AgHo(SO ₄) ₂ with isolated SO ₄ tetrahedra. <i>Journal of Materials Science and Technology</i> , 2021 , 76, 111-121	9.1	20
108	Exploration of the structural, spectroscopic and thermal properties of double sulfate monohydrate NaSm(SO ₄) ₂ ·H ₂ O and its thermal decomposition product NaSm(SO ₄) ₂ . <i>Advanced Powder Technology</i> , 2021 , 32, 3943-3943	4.6	1
107	Characterization of copper complexes with derivatives of the ligand (2-aminoethyl)bis(2-pyridylmethyl)amine (uns-penp) and their reactivity towards oxygen. <i>Journal of Inorganic Biochemistry</i> , 2021 , 223, 111544	4.2	1
106	Statistic Replacement of Lanthanide Ions in Bis-salicylatoborate Coordination Polymers for the Deliberate Control of the Luminescence Chromaticity. <i>ChemistryOpen</i> , 2021 , 10, 164-170	2.3	
105	SURMOF Devices Based on Heteroepitaxial Architectures with White-Light Emission and Luminescent Thermal-Dependent Performance. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000929	4.6	9
104	From a 1D Sb Coordination Polymer to a 3D Sb Framework with Pyrazine: Switching off the Stereochemically Active Lone-Pair. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 507-513	1.3	4
103	Group 13 Metal Halide Based Coordination Polymers of Al, Ga, In and 2,4,6-Tri(4-pyridyl)-1,3,5-triazine. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1555-1562	1.3	8
102	Similarities of Coordination Polymer and Dimeric Complex of Europium(III) with Joint and Separate Terpyridine and Benzoate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020 , 646, 1710-1714	1.3	3

101	Sb- and Bi-based coordination polymers with N-donor ligands with and without lone-pair effects and their photoluminescence properties. <i>Dalton Transactions</i> , 2020 , 49, 4904-4913	4.3	9
100	Comparison Study of the Site-Effect on Regioisomeric Pyridyl-Pyrene Conjugates: Synthesis, Structures, and Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2020 , 85, 4256-4266	4.2	12
99	Combination of single-molecule magnet behaviour and luminescence properties in a new series of lanthanide complexes with tris(pyrazolyl)borate and oligo(β -diketonate) ligands. <i>Dalton Transactions</i> , 2020 , 49, 7774-7789	4.3	6
98	Structural diversity of salts of terpyridine derivatives with europium(III) located in both, cation and anion, in comparison to molecular complexes. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2020 , 235, 353-363	1	1
97	Synthesis and luminescence properties of $\text{NaRE}_0.95\text{Eu}_0.05\text{F}_4$ (REY, Lu). <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 92, 218-225	6.3	3
96	An all white magnet by combination of electronic properties of a white light emitting MOF with strong magnetic particle systems. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16010-16017	7.1	7
95	Lanthanide complex entrapment for ratiometric luminescent pH and metal ion detection in solution and on film. <i>Optical Materials</i> , 2019 , 96, 109371	3.3	1
94	Sensors: Expanding the Horizon of Mechanochromic Detection by Luminescent Shear Stress Sensor Supraparticles (Adv. Funct. Mater. 19/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970129	15.6	1
93	Expanding the Horizon of Mechanochromic Detection by Luminescent Shear Stress Sensor Supraparticles. <i>Advanced Functional Materials</i> , 2019 , 29, 1901193	15.6	21
92	Reactivity of $\text{ZrO}(\text{MFP})$ and $\text{ZrO}(\text{RP})$ Nanoparticles with LnCl for Solvatochromic Luminescence Modification and pH-Dependent Optical Sensing. <i>Chemistry - A European Journal</i> , 2019 , 25, 16630	4.8	2
91	Two Series of Lanthanide Coordination Polymers and Complexes with 4 β -Phenylterpyridine and their Luminescence Properties. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 4564-4571	2.3	14
90	The crystal structure of the triclinic polymorph of 1,4-bis-([2,2 $\text{M}_6\text{N}_2\text{M}_1$]terpyridin)-4Myl)benzene. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019 , 75, 1947-1951	0.7	
89	Luminescence 2019 , 1-22		2
88	Lanthanide trifluoromethyltricyanoborates: Synthesis, crystal structures and thermal properties. <i>Journal of Fluorine Chemistry</i> , 2019 , 219, 70-78	2.1	4
87	Sensors: Preconcentration of Nitroalkanes with Archetype MetalOrganic Frameworks (MOFs) as Concept for a Sensitive Sensing of Explosives in the Gas Phase (Adv. Funct. Mater. 2/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870009	15.6	1
86	Capillary Nanostamping with Spongy Mesoporous Silica Stamps. <i>Advanced Functional Materials</i> , 2018 , 28, 1800700	15.6	11
85	Overcoming safety challenges in CO therapy - Extracorporeal CO delivery under precise feedback control of systemic carboxyhemoglobin levels. <i>Journal of Controlled Release</i> , 2018 , 279, 336-344	11.7	19
84	Optical isotherms as a fundamental characterization method for gas sensing with luminescent MOFs by comparison of open and dense frameworks. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2588-2595	7.1	15

83	Linear dicoordinate beryllium: a ⁹ Be solid-state NMR study of a discrete zero-valent s-block beryllium complex. <i>Canadian Journal of Chemistry</i> , 2018 , 96, 646-652	0.9	5
82	Bioinspired co-crystals of Imatinib providing enhanced kinetic solubility. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 128, 290-299	5.7	16
81	Bismuth as a versatile cation for luminescence in coordination polymers from BiX/4,4'Mbipy: understanding of photophysics by quantum chemical calculations and structural parallels to lanthanides. <i>Dalton Transactions</i> , 2018 , 47, 7669-7681	4.3	35
80	Steel-based electrocatalysts for efficient and durable oxygen evolution in acidic media. <i>Catalysis Science and Technology</i> , 2018 , 8, 2104-2116	5.5	21
79	Luminescent MOF polymer mixed matrix membranes for humidity sensing in real status analysis. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 9248-9257	7.1	17
78	Lanthanide Coordination Polymers and MOFs based on the Dicyanodihydridoborate Anion. <i>Chemistry - A European Journal</i> , 2018 , 24, 15287-15294	4.8	9
77	In-situ Ligand Formation Based Synthesis of a Luminescent Bi-Nitrile Based Framework: 3[Bi ₂ Br ₆ (tcpt)]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1293-1296	1.3	5
76	Preconcentration of Nitroalkanes with Archetype MetalOrganic Frameworks (MOFs) as Concept for a Sensitive Sensing of Explosives in the Gas Phase. <i>Advanced Functional Materials</i> , 2018 , 28, 1704250 ^{15.6}	15.6	17
75	Gallium Coordination Polymers Based on Bis-pyridylethylene Containing Neutral and Cationic 1D Chains and 2D Networks. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1791-1795	1.3	6
74	Transformation of [EMIM][BPB] into a Cationic Luminescent Ln-Coordination Polymer with the Bis(phthalato)borate Anion. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018 , 644, 1445-1450	1.3	2
73	Deprotonation of a Hydridoborate Anion. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2795-2799 ^{16.4}	16.4	54
72	Anhydrous, Homoleptic Lanthanide Frameworks with the Pentafluoroethyltricyanoborate Anion. <i>Inorganic Chemistry</i> , 2017 , 56, 2278-2286	5.1	13
71	Protonation versus Oxonium Salt Formation: Basicity and Stability Tuning of Cyanoborate Anions. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2800-2804	16.4	24
70	Protonierung kontra Oxoniumsalz-Bildung: Abstimmung der Basizit und Stabilit von Cyanoborat-Anionen. <i>Angewandte Chemie</i> , 2017 , 129, 2844-2848	3.6	12
69	Bis(salicylato)borate as Versatile Sensitizer for Highly Luminescent Lanthanide Oxaborates from the Ultraviolet to Near Infrared with 4f and 5d Participation of the Lanthanides. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1355-1363	2.3	10
68	Transformation of the ionic liquid [EMIM][B(CN)] into anionic and neutral lanthanum tetracyanoborate coordination polymers by ionothermal reactions. <i>Chemical Communications</i> , 2017 , 53, 5193-5195	5.8	14
67	Deprotonierung eines Hydridoborat-Anions. <i>Angewandte Chemie</i> , 2017 , 129, 2839-2843	3.6	31
66	Syntheses and Structures of New Rare-Earth Metal Tetracyanidoborates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 625-630	1.3	8

65	Smart Optical Composite Materials: Dispersions of Metal-Organic Framework@Superparamagnetic Microrods for Switchable Isotropic-Anisotropic Optical Properties. <i>ACS Nano</i> , 2017 , 11, 779-787	16.7	31
64	Electro-oxidation of a cobalt based steel in LiOH: a non-noble metal based electro-catalyst suitable for durable water-splitting in an acidic milieu. <i>Nanoscale</i> , 2017 , 9, 17829-17838	7.7	16
63	Supramolecular frameworks based on [60]fullerene hexakisadducts. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 1-9	2.5	6
62	Composite materials combining multiple luminescent MOFs and superparamagnetic microparticles for ratiometric water detection. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10133-10142	7.1	42
61	Metal-Based Diversity for Crystalline Metal-Fullerene Frameworks. <i>Chemistry - A European Journal</i> , 2017 , 23, 15864-15868	4.8	5
60	Homoleptic Luminescent Lanthanide Frameworks with the Tricyanohydridoborate Anion. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4668-4672	2.3	4
59	Unexpected Dimeric Spiro-Borate Complexes from Lewis-Acid Induced Transformation of Oxalatoborates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 53-59	1.3	3
58	White light emission and temperature dependent chromaticity shifts by modification of luminescent ZrO(FMN) nanoparticles with rare earth halides. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7735-7743	7.1	2
57	Near-Infrared Luminescence and Inner Filter Effects of Lanthanide Coordination Polymers with 1,2-Di(4-pyridyl)ethylene. <i>Inorganic Chemistry</i> , 2016 , 55, 7396-406	5.1	27
56	Electro-Oxidation of Ni42 Steel: A Highly Active Bifunctional Electrocatalyst. <i>Advanced Functional Materials</i> , 2016 , 26, 6402-6417	15.6	67
55	X20CoCrWMo10-9//Co3O4: a metalceramic composite with unique efficiency values for water-splitting in the neutral regime. <i>Energy and Environmental Science</i> , 2016 , 9, 2609-2622	35.4	66
54	Luminescent coordination polymers for the VIS and NIR range constituting LnCl ₃ and 1,2-bis(4-pyridyl)ethane. <i>Dalton Transactions</i> , 2016 , 45, 6529-40	4.3	15
53	Superparamagnetic Luminescent MOF@Fe ₃ O ₄ /SiO ₂ Composite Particles for Signal Augmentation by Magnetic Harvesting as Potential Water Detectors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5445-52	9.5	61
52	Microwave-Assisted Polyol Synthesis of Water Dispersible Red-Emitting Eu-Modified Carbon Dots. <i>Materials</i> , 2016 , 10,	3.5	13
51	Luminescent MetalOrganic Framework Mixed-Matrix Membranes from Lanthanide MetalOrganic Frameworks in Polysulfone and Matrimid. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4408-4415 ²³	13	
50	Synthesis and Properties of Organic Hexahalocerate(III) Salts. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1333-1339	2.3	8
49	Three-Dimensional Metal-Fullerene Frameworks. <i>Chemistry - A European Journal</i> , 2016 , 22, 5982-7	4.8	19
48	Mechanochemical Synthesis of 3d Transition-Metal-1,2,4-Triazole Complexes as Precursors for Microwave-Assisted and Thermal Conversion to Coordination Polymers with a High Influence on the Dielectric Properties. <i>Chemistry - A European Journal</i> , 2016 , 22, 2708-18	4.8	10

47	Study of the Discrepancies between Crystallographic Porosity and Guest Access into Cadmium-Imidazolate Frameworks and Tunable Luminescence Properties by Incorporation of Lanthanides. <i>Chemistry - A European Journal</i> , 2016 , 22, 6905-13	4.8	22
46	Quinolone Amides as Antitrypanosomal Lead Compounds with In Vivo Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 4442-52	5.9	9
45	Organic melt, electrode, and CVD induced <i>in situ</i> deposition of luminescent lanthanide imidazolate MOFs on nanostructured alumina. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 237-245	6.8	11
44	Photoluminescent One-Dimensional Coordination Polymers from Suitable Pyridine Antenna and LnCl ₃ for Visible and Near-IR Emission. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 826-836	2.3	17
43	1[Pr(BSB)3(py)2]: A Lanthanide Bis(salicylato)borate at the Junction between Solvothermal and Ionothermal Conditions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015 , 641, 164-167	1.3	4
42	Ionic liquid versus prodrug strategy to address formulation challenges. <i>Pharmaceutical Research</i> , 2015 , 32, 2154-67	4.5	27
41	Taming the beast: fluoromesityl groups induce a dramatic stability enhancement in boroles. <i>Chemical Science</i> , 2015 , 6, 5922-5927	9.4	76
40	MOF based luminescence tuning and chemical/physical sensing. <i>Microporous and Mesoporous Materials</i> , 2015 , 216, 171-199	5.3	249
39	White light emission of IFP-1 by <i>in situ</i> co-doping of the MOF pore system with Eu ³⁺ and Tb ³⁺ . <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4623-4631	7.1	34
38	Post-Synthetic Shaping of Porosity and Crystal Structure of Ln-Bipy-MOFs by Thermal Treatment. <i>Molecules</i> , 2015 , 20, 12125-53	4.8	12
37	A blue luminescent MOF as a rapid turn-off/turn-on detector for H ₂ O, O ₂ and CH ₂ Cl ₂ , MeCN: 1[Ce(Im)3ImH]0mH. <i>Dalton Transactions</i> , 2015 , 44, 4070-9	4.3	43
36	Lanthanide based tuning of luminescence in MOFs and dense frameworks--from mono- and multimetal systems to sensors and films. <i>Chemical Communications</i> , 2014 , 50, 8093-108	5.8	286
35	2[Bi ₂ Cl ₆ (pyz) ₄]: a 2D-pyrazine coordination polymer as soft host lattice for the luminescence of the lanthanide ions Sm ³⁺ , Eu ³⁺ , Tb ³⁺ , and Dy ³⁺ . <i>Inorganic Chemistry</i> , 2014 , 53, 7197-203	5.1	26
34	Highly luminescent thin films of the dense framework [B][EuIm ₂] with switchable transparency formed by scanning femtosecond-pulse laser deposition. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 706-10	16.4	20
33	Synthesis and Characterization of the Cerium(III) UV-Emitting 2D-Coordination Polymer 2[Ce ₂ Cl ₆ (4, 4'-bipyridine) ₄]py. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 2847-2851	13	
32	Ln-Imidazolate Frameworks: The Coordinative Demand of Ln ³⁺ Ions and its Consequences for the Compound Constitution of Different Lanthanides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013 , 639, 261-267	1.3	14
31	Engineering metal-based luminescence in coordination polymers and metal-organic frameworks. <i>Chemical Society Reviews</i> , 2013 , 42, 9232-42	58.5	797
30	<i>In situ</i> growth of luminescent MOF thin films of Sr/Eu(II)-imidazolate on functionalized nanostructured alumina. <i>CrystEngComm</i> , 2013 , 15, 9382	3.3	14

29	Metal-organic framework luminescence in the yellow gap by codoping of the homoleptic imidazolate [B][Ba(Im)2] with divalent europium. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6896-902	16.4	66
28	The series of rare earth complexes [Ln2Cl6(4,4'Mbipy)(py)6], Ln=Y, Pr, Nd, Sm-Yb: a molecular model system for luminescence properties in MOFs based on LnCl3 and 4,4'Mbipyridine. <i>Chemistry - A European Journal</i> , 2013 , 19, 17369-78	4.8	70
27	Homoleptic lanthanide 1,2,3-triazolates ([2B][Ln(Tz*)3] and their diversified photoluminescence properties. <i>Inorganic Chemistry</i> , 2012 , 51, 13204-13	5.1	47
26	Antenna- and Metal-Triggered Luminescence in Dense 1,3-Benzodinitrile Metal-Organic Frameworks B[LnCl3{1,3-Ph(CN)2}], Ln = Eu, Tb. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 5479-5484	2.3	33
25	Luminescence Tuning in the MOF Series \$rm^{2}_{infty}[Ln2Cl6(bipy)3]Bbipy, Ln = Eu, Gd, Tb. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 1581-1581	1.3	
24	Alkaline earth imidazolate coordination polymers by solvent free melt synthesis as potential host lattices for rare earth photoluminescence: (x)([AE(Im)2(ImH)(2-3)], Mg, Ca, Sr, Ba, x = 1-2. <i>Dalton Transactions</i> , 2012 , 41, 4067-78	4.3	31
23	Luminescence tuning of MOFs via ligand to metal and metal to metal energy transfer by co-doping of 2[Gd2Cl6(bipy)3]Bbipy with europium and terbium. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10179	101	
22	Homoleptic imidazolate frameworks [Sr(1-x)Eu(x)(Im)2]-hybrid materials with efficient and tuneable luminescence. <i>Chemical Communications</i> , 2011 , 47, 496-8	5.8	49
21	Frameworks by Solvent-Free Synthesis of Rare Earth Chlorides with Molten 1,3-Benzodinitrile and Tailoring of the Particle Size: B[LnCl3{1,3-C6H4(CN)2}], Ln = Y, Dy, Ho, Er, Yb. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 454-460	2.3	13
20	The interaction of rare earth chlorides with 4,4'Mbipyridine for the reversible formation of template based luminescent Ln-N-MOFs. <i>Dalton Transactions</i> , 2010 , 461-8	4.3	61
19	MOF Formation vs. Reversible High Ligand Uptake in Anhydrous Halides: Two Opposing Aspects of \$\rm^3_{infty}[La2Cl6(4,4'-bipy)5]B(4,4'-bipy)\$ <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 395-399	1.3	14
18	Utilising Metal Melts of Low-Melting Metals as a Novel Approach for MOF Synthesis: The 3D-Imidazolate 3[Ga2(Im)6ImH] from Gallium and Imidazole <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 1333-1338	1.3	10
17	Melamine-melem adduct phases: investigating the thermal condensation of melamine. <i>Chemistry - A European Journal</i> , 2009 , 15, 13161-70	4.8	97
16	Activator-Controlled High Temperature In-Situ Ligand Synthesis for the Formation of Rare Earth Thiolate Amide Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 2482-2486	2.3	14
15	\$^{2}_{infty}rm [Tb(Tzast)_{3}]\$, A Homoleptic 2-Dimensional Framework from a Solvent Free Synthesis of Terbium Metal with 1H-1,2,3-Triazole. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009 , 635, 1134-1138	1.3	10
14	The first dinitrile frameworks of the rare earth elements: infinity(3)[LnCl3{1,4-Ph(CN)2}] and infinity(3)[Ln2Cl6{1,4-Ph(CN)2}], Ln = Sm, Gd, Tb, Y; access to novel metal-organic frameworks by solvent free synthesis in molten 1,4-benzodinitrile. <i>Inorganic Chemistry</i> , 2008 , 47, 10141-9	5.1	41
13	Crystal Engineering of Rare Earth Amides: B[Tb(Im)3]@NH3, a Homoleptic 3D Network Exhibiting Strong Luminescence. <i>Chemistry of Materials</i> , 2007 , 19, 655-659	9.6	52
12	(Infinity)3[Eu(Tzpy)2]: a homoleptic framework containing [Eu(II)N12] icosahedra. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4385-7	16.4	31

11	\$^{1}\{infty}rm [Ho_{2}Cl_{6}\{1,3-Ph(CN)_{2}\}_{3}]\$ Eine zu Doppelsträngen kondensierte Variante der PaCl ₅ -Struktur in einem Selten-Erd-Benzodinitril-Koordinationspolymer. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 2614-2618	1.3	15
10	Rare Earth Benzotriazolates: Coordination Polymers Incorporating Decomposition Products from Ammonia to 1,2-Diaminobenzene in $[\text{Ln}(\text{Btz})_3(\text{BtzH})]$ ($\text{Ln} = \text{Ce}, \text{Pr}$), $[\text{Ln}(\text{Btz})_3\{\text{Ph}(\text{NH}_2)_2\}]$ ($\text{Ln} = \text{Nd}, \text{Tb}, \text{Yb}$), and $[\text{Ho}_2(\text{Btz})_6(\text{BtzH})(\text{NH}_3)]$. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 2000-2010	2.3	31
9	Three-dimensional networks of lanthanide 1,2,4-triazolates: infinity(3)[Yb(Tz)3] and [Eu ₂ (Tz) ₅ (TzH) ₂], the first 4f networks with complete nitrogen coordination. <i>Chemical Communications</i> , 2006 , 2060-2	5.8	46
8	Homoleptic rare earth dipyridylamides $[\text{Ln}_2(\text{N}(\text{NC}_5\text{H}_4)_2)_6]$, $\text{Ln} = \text{Ce}, \text{Nd}, \text{Sm}, \text{Ho}, \text{Er}, \text{Tm}, \text{Yb}$, and Sc : metal oxidation by the amine melt and in 1,2,3,4-tetrahydroquinoline with the focus of different metal activation by amalgams, liquid ammonia, and microwaves. <i>Inorganic Chemistry</i> , 2006 , 45, 2678-87	5.1	43
7	The X-ray crystal structures of $[\text{Hg}(\text{C}_6\text{F}_4\text{OH-p})_2\text{OH}_2]$ and $[\text{Hg}(\text{C}_6\text{H}_4\text{OMe-p})(\text{O}_2\text{CC}_6\text{F}_4\text{OMe-p})]$ Factors influencing supramolecular Hg ^{II} interactions. <i>Inorganica Chimica Acta</i> , 2005 , 358, 4389-4393	2.7	20
6	The Utilization of Solid State Chemistry Reaction Routes as New Syntheses Strategies for the Coordination Chemistry of Rare Earth Amides. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005 , 631, 811-828	1.3	78
5	[Yb(3)N(dpa)(6)][Yb(dpa)(3)]: a molecular nitride of a rare-earth metal with a Yb(3)N unit. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5994-6	16.4	19
4	Homoleptic Rare-Earth Carbazolates and the Trends of Their E Redox Potentials: Mixed-Valent Samarium in 1[Sm ₂ (Cbz) ₅](CbzH) (CbzH = carbazole) and Trivalent Thulium, Neodymium and Gadolinium in [Ln ₂ (Cbz) ₆]. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 4330-4337	2.3	36
3	Two new groups of homoleptic rare earth pyridylbenzimidazolates: (NC ₁₂ H ₈ (NH) ₂) $[\text{Ln}(\text{N}_3\text{C}_12\text{H}_8)_4]$ with Ln = Y, Tb, Yb, and $[\text{Ln}(\text{N}_3\text{C}_12\text{H}_8)_2(\text{N}_3\text{C}_12\text{H}_9)_2][\text{Ln}(\text{N}_3\text{C}_12\text{H}_8)_4](\text{N}_3\text{C}_12\text{H}_9)_2$ with Ln = La, Sm, Eu. <i>Inorganic Chemistry</i> , 2003 , 42, 2742-50	5.1	54
2	[Yb(THF) ₃ (C ₅ H ₄ PPh ₂) ₂ W(CO) ₄] _{0.5} THF and 1[Yb(THF)(C ₅ H ₄ PPh ₂) ₂ (OC)W(CO) ₃]: Two New Heterobimetallic Complexes Containing Yb ^{II} and W ⁰ . <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 3172-3177	2.3	8
1	Synthesis and Crystal Structure of [Re ₂ Br ₄ (Te ₂)(TeBr) ₂ (TeBr ₂) ₂], a Dinuclear Complex with Te ₂₂ and TeBr ₂ Ligands. <i>European Journal of Inorganic Chemistry</i> , 1999 , 1999, 839-842	2.3	6