

Klaus Mller-Buschbaum

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3763850/klaus-muller-buschbaum-publications-by-citations.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 | Engineering metal-based luminescence in coordination polymers and metal-organic frameworks. <i>Chemical Society Reviews</i> , 2013 , 42, 9232-42 | 58.5 | 797 |
| 117 | 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 |
| 116 | MOF based luminescence tuning and chemical/physical sensing. <i>Microporous and Mesoporous Materials</i> , 2015 , 216, 171-199 | 5.3 | 249 |
| 115 | Luminescence tuning of MOFs via ligand to metal and metal to metal energy transfer by co-doping of $2[\text{Gd}_2\text{Cl}_6(\text{bipy})_3]\text{bipy}$ with europium and terbium. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10179 | 101 | |
| 114 | Melamine-melem adduct phases: investigating the thermal condensation of melamine. <i>Chemistry - A European Journal</i> , 2009 , 15, 13161-70 | 4.8 | 97 |
| 113 | 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 |
| 112 | Taming the beast: fluoromesityl groups induce a dramatic stability enhancement in boroles. <i>Chemical Science</i> , 2015 , 6, 5922-5927 | 9.4 | 76 |
| 111 | The series of rare earth complexes $[\text{Ln}_2\text{Cl}_6(4,4'\text{M}^{\text{II}}\text{bipy})(\text{py})_6]$, Ln=Y, Pr, Nd, Sm-Yb: a molecular model system for luminescence properties in MOFs based on LnCl_3 and 4,4'Mbipyridine. <i>Chemistry - A European Journal</i> , 2013 , 19, 17369-78 | 4.8 | 70 |
| 110 | Electro-Oxidation of Ni42 Steel: A Highly Active Bifunctional Electrocatalyst. <i>Advanced Functional Materials</i> , 2016 , 26, 6402-6417 | 15.6 | 67 |
| 109 | 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 |
| 108 | Metal-organic framework luminescence in the yellow gap by codoping of the homoleptic imidazolate $[\text{B}] [\text{Ba}(\text{Im})_2]$ with divalent europium. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6896-902 | 16.4 | 66 |
| 107 | Superparamagnetic Luminescent MOF@Fe O_x /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 |
| 106 | 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 |
| 105 | Deprotonation of a Hydridoborate Anion. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2795-2799 | 6.4 | 54 |
| 104 | Two new groups of homoleptic rare earth pyridylbenzimidazolates: $(\text{NC}_12\text{H}_8(\text{NH})_2)[\text{Ln}(\text{N}_3\text{C}_12\text{H}_8)_4]$ 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 |
| 103 | Crystal Engineering of Rare Earth Amides: $[\text{B}(\text{Tb}(\text{Im})_3)]@\text{NH}_3$, a Homoleptic 3D Network Exhibiting Strong Luminescence. <i>Chemistry of Materials</i> , 2007 , 19, 655-659 | 9.6 | 52 |
| 102 | Homoleptic imidazolate frameworks $[\text{Sr}(1-x)\text{Eu}(x)(\text{Im})_2]$ -hybrid materials with efficient and tuneable luminescence. <i>Chemical Communications</i> , 2011 , 47, 496-8 | 5.8 | 49 |

| | | | |
|-----|--|------|----|
| 101 | Homoleptic lanthanide 1,2,3-triazolates ($\text{I}(\text{2B})[\text{Ln}(\text{Tz}^*)_3]$) and their diversified photoluminescence properties. <i>Inorganic Chemistry</i> , 2012 , 51, 13204-13 | 5.1 | 47 |
| 100 | Three-dimensional networks of lanthanide 1,2,4-triazolates: infinity(3)[Yb(Tz)3] and [Eu2(Tz)5(TzH)2], the first 4f networks with complete nitrogen coordination. <i>Chemical Communications</i> , 2006 , 2060-2 | 5.8 | 46 |
| 99 | A blue luminescent MOF as a rapid turn-off/turn-on detector for H ₂ O, O ₂ and CH ₂ Cl ₂ , MeCN: $\text{I}[\text{Ce}(\text{Im})_3\text{ImH}] \text{ImH}$. <i>Dalton Transactions</i> , 2015 , 44, 4070-9 | 4.3 | 43 |
| 98 | Homoleptic rare earth dipyridylamides [$\text{Ln}_2(\text{N}(\text{NC}_5\text{H}_4)_2)_6$], Ln = Ce, Nd, Sm, Ho, Er, Tm, 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 |
| 97 | 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 |
| 96 | The first dinitrile frameworks of the rare earth elements: infinity(3)[LnCl ₃ (1,4-Ph(CN) ₂)] and infinity(3)[Ln ₂ Cl ₆ (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 |
| 95 | Homoleptic Rare-Earth Carbazolates and the Trends of Their E Redox Potentials: Mixed-Valent Samarium in $\text{I}[\text{Sm}_2(\text{Cbz})_5](\text{CbzH})$ (CbzH = carbazole) and Trivalent Thulium, Neodymium and Gadolinium in $[\text{Ln}_2(\text{Cbz})_6]$. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 4330-4337 | 2.3 | 36 |
| 94 | 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 |
| 93 | White light emission of IFP-1 by in situ 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 |
| 92 | Antenna- and Metal-Triggered Luminescence in Dense 1,3-Benzodinitrile MetalOrganic Frameworks $\text{B}[\text{LnCl}_3(1,3-\text{Ph}(\text{CN})_2)]$, Ln = Eu, Tb. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 5479-5484 | 2.3 | 33 |
| 91 | Deprotonierung eines Hydridoborat-Anions. <i>Angewandte Chemie</i> , 2017 , 129, 2839-2843 | 3.6 | 31 |
| 90 | 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 |
| 89 | Alkaline earth imidazolate coordination polymers by solvent free melt synthesis as potential host lattices for rare earth photoluminescence: (x)($\text{I}[\text{AE}(\text{Im})_2(\text{ImH})(2-3)]$), Mg, Ca, Sr, Ba, x = 1-2. <i>Dalton Transactions</i> , 2012 , 41, 4067-78 | 4.3 | 31 |
| 88 | (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 |
| 87 | Rare Earth Benzotriazolates: Coordination Polymers Incorporating Decomposition Products from Ammonia to 1,2-Diaminobenzene in $\text{I}[\text{Ln}(\text{Btz})_3(\text{BtzH})]$ (Ln = Ce, Pr), $\text{II}[\text{Ln}(\text{Btz})_3(\text{Ph}(\text{NH}_2)_2)]$ (Ln = Nd, Tb, Yb), and $\text{III}[\text{Ho}_2(\text{Btz})_6(\text{BtzH})(\text{NH}_3)]$. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 2000-2010 | 2.3 | 31 |
| 86 | Ionic liquid versus prodrug strategy to address formulation challenges. <i>Pharmaceutical Research</i> , 2015 , 32, 2154-67 | 4.5 | 27 |
| 85 | 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 |
| 84 | 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 |

| | | | |
|----|---|------|----|
| 83 | 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 |
| 82 | 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 |
| 81 | Expanding the Horizon of Mechanochromic Detection by Luminescent Shear Stress Sensor Supraparticles. <i>Advanced Functional Materials</i> , 2019 , 29, 1901193 | 15.6 | 21 |
| 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 | Highly luminescent thin films of the dense framework [B][EuIm2] with switchable transparency formed by scanning femtosecond-pulse laser deposition. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 706-10 | 16.4 | 20 |
| 78 | The X-ray crystal structures of [Hg(C6F4OH-p)2OH2] and [Hg(C6H4OMe-p)(O2CC6F4OMe-p)] · Factors influencing supramolecular Hg··· interactions. <i>Inorganica Chimica Acta</i> , 2005 , 358, 4389-4393 | 2.7 | 20 |
| 77 | Negative thermal expansion in one-dimension of a new double sulfate AgHo(SO4)2 with isolated SO4 tetrahedra. <i>Journal of Materials Science and Technology</i> , 2021 , 76, 111-121 | 9.1 | 20 |
| 76 | 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 |
| 75 | [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 |
| 74 | Three-Dimensional Metal-Fullerene Frameworks. <i>Chemistry - A European Journal</i> , 2016 , 22, 5982-7 | 4.8 | 19 |
| 73 | Photoluminescent One-Dimensional Coordination Polymers from Suitable Pyridine Antenna and LnCl3 for Visible and Near-IR Emission. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 826-836 | 2.3 | 17 |
| 72 | 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 |
| 71 | Preconcentration of Nitroalkanes with Archetype Metal-Organic Frameworks (MOFs) as Concept for a Sensitive Sensing of Explosives in the Gas Phase. <i>Advanced Functional Materials</i> , 2018 , 28, 1704250 | 15.6 | 17 |
| 70 | 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 |
| 69 | Bioinspired co-crystals of Imatinib providing enhanced kinetic solubility. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 128, 290-299 | 5.7 | 16 |
| 68 | 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 |
| 67 | Luminescent coordination polymers for the VIS and NIR range constituting LnCl3 and 1,2-bis(4-pyridyl)ethane. <i>Dalton Transactions</i> , 2016 , 45, 6529-40 | 4.3 | 15 |
| 66 | \$^{1}_{infty}rm [Ho_2Cl_6\{1,3-Ph(CN)_2\}_3]\$ Eine zu Doppelsträngen kondensierte Variante der PaCl5-Struktur in einem Selten-Erd-Benzodinitril-Koordinationspolymer. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007 , 633, 2614-2618 | 1.3 | 15 |

| | | | |
|----|---|------|----|
| 65 | 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 |
| 64 | Two Series of Lanthanide Coordination Polymers and Complexes with 4?-Phenylterpyridine and their Luminescence Properties. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 4564-4571 | 2.3 | 14 |
| 63 | 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 |
| 62 | In situ growth of luminescent MOF thin films of Sr/Eu(II)-imidazolate on functionalized nanostructured alumina. <i>CrystEngComm</i> , 2013 , 15, 9382 | 3.3 | 14 |
| 61 | 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 |
| 60 | MOF Formation vs. Reversible High Ligand Uptake in Anhydrous Halides: Two Opposing Aspects of {La ₂ Cl ₆ (4,4?-bipy)5}I ₄ (4,4?-bipy). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 395-399 | 1.3 | 14 |
| 59 | Anhydrous, Homoleptic Lanthanide Frameworks with the Pentafluoroethyltricyanoborate Anion. <i>Inorganic Chemistry</i> , 2017 , 56, 2278-2286 | 5.1 | 13 |
| 58 | Microwave-Assisted Polyol Synthesis of Water Dispersible Red-Emitting Eu-Modified Carbon Dots. <i>Materials</i> , 2016 , 10, | 3.5 | 13 |
| 57 | Synthesis and Characterization of the Cerium(III) UV-Emitting 2D-Coordination Polymer 2[Ce ₂ Cl ₆ (4, 4?-bipyridine)4]I ₄ bpy. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014 , 640, 2847-2851 | 1.3 | 13 |
| 56 | Frameworks by Solvent-Free Synthesis of Rare Earth Chlorides with Molten 1,3-Benzodinitrile and Tailoring of the Particle Size: B[LnCl ₃ {1,3-C ₆ H ₄ (CN) ₂ }], Ln = Y, Dy, Ho, Er, Yb. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 454-460 | 2.3 | 13 |
| 55 | 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 | 2.3 | 13 |
| 54 | Protonierung kontra Oxoniumsalz-Bildung: Abstimmung der Basizit und Stabilit von Cyanoborat-Anionen. <i>Angewandte Chemie</i> , 2017 , 129, 2844-2848 | 3.6 | 12 |
| 53 | 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 |
| 52 | 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 |
| 51 | Organic melt, electride, and CVD induced in situ deposition of luminescent lanthanide imidazolate MOFs on nanostructured alumina. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 237-245 | 6.8 | 11 |
| 50 | Capillary Nanostamping with Spongy Mesoporous Silica Stamps. <i>Advanced Functional Materials</i> , 2018 , 28, 1800700 | 15.6 | 11 |
| 49 | Bis(salicylato)borate as Versatile Sensitizer for Highly Luminescent Lanthanide Oxborates 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 |
| 48 | \$^{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 |

| | | | |
|----|--|-----|----|
| 47 | Utilising Metal Melts of Low-Melting Metals as a Novel Approach for MOF Synthesis: The 3D-Imidazolate $3[\text{Ga}_2(\text{Im})_6\text{ImH}]$ from Gallium and Imidazole. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 1333-1338 | 1.3 | 10 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | Lanthanide Coordination Polymers and MOFs based on the Dicyanodihydridoborate Anion. <i>Chemistry - A European Journal</i> , 2018 , 24, 15287-15294 | 4.8 | 9 |
| 42 | Quinolone Amides as Antitrypanosomal Lead Compounds with In Vivo Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 4442-52 | 5.9 | 9 |
| 41 | Syntheses and Structures of New Rare-Earth Metal Tetracyanidoborates. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017 , 643, 625-630 | 1.3 | 8 |
| 40 | 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 |
| 39 | [Yb(THF) $_3$ (C $_5$ H $_4$ PPh $_2$) $_2$ W(CO) $_4$]·0.5THF and 1[Yb(THF)(C $_5$ H $_4$ PPh $_2$) $_2$ (OC)W(CO) $_3$]: Two New Heterobimetallic Complexes Containing YbII and W0. <i>European Journal of Inorganic Chemistry</i> , 2002 , 2002, 3172-3177 | 2.3 | 8 |
| 38 | Synthesis and Properties of Organic Hexahalocerate(III) Salts. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 1333-1339 | 2.3 | 8 |
| 37 | 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 |
| 36 | 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 |
| 35 | Supramolecular frameworks based on [60]fullerene hexakisadducts. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 1-9 | 2.5 | 6 |
| 34 | Synthesis and Crystal Structure of [Re $_2$ Br $_4$ (Te $_2$)(TeBr $_2$) $_2$ (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 |
| 33 | 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 |
| 32 | 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 |
| 31 | 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 |
| 30 | Metal-Based Diversity for Crystalline Metal-Fullerene Frameworks. <i>Chemistry - A European Journal</i> , 2017 , 23, 15864-15868 | 4.8 | 5 |

| | | | |
|----|--|------|---|
| 29 | 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 |
| 28 | 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 |
| 27 | 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 | 4 | |
| 26 | Homoleptic Luminescent Lanthanide Frameworks with the Tricyanohydridoborate Anion. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4668-4672 | 2.3 | 4 |
| 25 | Lanthanide trifluoromethyltricyanoborates: Synthesis, crystal structures and thermal properties. <i>Journal of Fluorine Chemistry</i> , 2019 , 219, 70-78 | 2.1 | 4 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | White light emission and temperature dependent chromaticity shifts by modification of luminescent $\text{ZrO}(\text{FMN})$ nanoparticles with rare earth halides. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7735-7743 | 7.1 | 2 |
| 18 | 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 |
| 17 | Luminescence 2019 , 1-22 | | 2 |
| 16 | Crystal and electronic structure, thermochemical and photophysical properties of europium-silver sulfate monohydrate $\text{AgEu}(\text{SO}_4)_2 \cdot \text{H}_2\text{O}$. <i>Journal of Solid State Chemistry</i> , 2021 , 294, 121898 | 3.3 | 2 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |

| | | | |
|----|---|-----|---|
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | Metal-Organic Framework MIL-68(Ind)-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 |
| 5 | 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 |
| 4 | 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 |
| 3 | Luminescence Tuning in the MOF Series \$rm^{2}_[infty]\$[Ln ₂ Cl ₆ (bipy) ₃]·bipy, Ln = Eu, Gd, Tb. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012 , 638, 1581-1581 | 1.3 | |
| 2 | The crystal structure of the triclinic polymorph of 1,4-bis-([2,2'-bipyridin]-4-yl)benzene. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019 , 75, 1947-1951 | 0.7 | |
| 1 | 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 | |