

Luzia S Germann

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,047
citations

471509

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642732

23
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31
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31
docs citations

31
times ranked

1396
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | <i>In Situ</i> Monitoring and Mechanism of the Mechanochemical Formation of a Microporous MOF-74 Framework. <i>Journal of the American Chemical Society</i> , 2016, 138, 2929-2932. | 13.7 | 194 |
| 2 | Rational Synthesis of Mixed-Metal Microporous Metal-Organic Frameworks with Controlled Composition Using Mechanochemistry. <i>Chemistry of Materials</i> , 2019, 31, 5494-5501. | 6.7 | 96 |
| 3 | Tuning the stacking behaviour of a 2D covalent organic framework through non-covalent interactions. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1354-1361. | 5.9 | 95 |
| 4 | Controlling the Polymorphism and Topology Transformation in Porphyrinic Zirconium Metal-Organic Frameworks via Mechanochemistry. <i>Journal of the American Chemical Society</i> , 2019, 141, 19214-19220. | 13.7 | 73 |
| 5 | Synthesis, structures, magnetic, and theoretical investigations of layered Co and Ni thiocyanate coordination polymers. <i>Dalton Transactions</i> , 2016, 45, 18190-18201. | 3.3 | 71 |
| 6 | Green and rapid mechanosynthesis of high-porosity NU- and UiO-type metal-organic frameworks. <i>Chemical Communications</i> , 2018, 54, 6999-7002. | 4.1 | 63 |
| 7 | Challenging the Ostwald rule of stages in mechanochemical cocrystallisation. <i>Chemical Science</i> , 2020, 11, 10092-10100. | 7.4 | 49 |
| 8 | Structures, Thermodynamic Relations, and Magnetism of Stable and Metastable Ni(NCS) ₂ Coordination Polymers. <i>Inorganic Chemistry</i> , 2018, 57, 3305-3314. | 4.0 | 45 |
| 9 | Real-Time <i>In Situ</i> Monitoring of Particle and Structure Evolution in the Mechanochemical Synthesis of UiO-66 Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2020, 20, 49-54. | 3.0 | 42 |
| 10 | <i>In situ</i> monitoring of mechanochemical synthesis of calcium urea phosphate fertilizer cocrystal reveals highly effective water-based autocatalysis. <i>Chemical Science</i> , 2020, 11, 2350-2355. | 7.4 | 40 |
| 11 | Supercritical Carbon Dioxide Enables Rapid, Clean, and Scalable Conversion of a Metal Oxide into Zeolitic Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2018, 18, 3222-3228. | 3.0 | 36 |
| 12 | <i>In situ</i> monitoring of mechanochemical covalent organic framework formation reveals templating effect of liquid additive. <i>CheM</i> , 2021, 7, 1639-1652. | 11.7 | 36 |
| 13 | Solid-State Reversible Nucleophilic Addition in a Highly Flexible MOF. <i>Journal of the American Chemical Society</i> , 2015, 137, 13072-13078. | 13.7 | 35 |
| 14 | Toward Mechanistic Understanding of Mechanochemical Reactions Using Real-Time <i>In Situ</i> Monitoring. <i>Accounts of Chemical Research</i> , 2022, 55, 1262-1277. | 15.6 | 34 |
| 15 | Thermal Transformation of a Zero-Dimensional Thiocyanate Precursor into a Ferromagnetic Three-Dimensional Coordination Network via a Layered Intermediate. <i>Crystal Growth and Design</i> , 2017, 17, 3997-4005. | 3.0 | 31 |
| 16 | Synthesis, Structures and Properties of Cobalt Thiocyanate Coordination Compounds with 4-(hydroxymethyl)pyridine as Co-ligand. <i>Crystals</i> , 2016, 6, 38. | 2.2 | 18 |
| 17 | Open versus Interpenetrated: Switchable Supramolecular Trajectories in Mechanosynthesis of a Halogen-Bonded Borromean Network. <i>CheM</i> , 2021, 7, 146-154. | 11.7 | 17 |
| 18 | Monitoring polymer-assisted mechanochemical cocrystallisation through <i>in situ</i> X-ray powder diffraction. <i>Chemical Communications</i> , 2020, 56, 8743-8746. | 4.1 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | CdX ₂ Coordination Polymers with 2-Chloropyrazine and 2-Methylpyrazine: Similar Ligands â€“ Similar Structures â€“ Different Reactivity. European Journal of Inorganic Chemistry, 2017, 2017, 1245-1255. | 2.0 | 14 |
| 20 | Synthesis, Crystal Structures, and Properties of <i>M</i> (NCS) ₂ â€³â€³aminomethylpyridine Coordination Compounds (<i>M</i> = Cd, Zn). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1904-1912. | 1.2 | 12 |
| 21 | Trimorphism of Zn(NCS) ₂ (4-dimethylaminopyridine) ₂ : Crystal Structures, Thermodynamic Relations, and Comparison with the Co(II) Polymorphs. Crystal Growth and Design, 2019, 19, 1134-1143. | 3.0 | 12 |
| 22 | On the Crystal Structure of a Previously Unknown Anhydrous Zinc Hydroxide Sulfate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 255-259. | 1.2 | 11 |
| 23 | Synthesis, Structures, and Physical Properties of Thiocyanate Coordination Compounds with 3-Hydroxymethylpyridine. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1497-1507. | 1.2 | 5 |