# Mario Ruben

List of Publications by Year
in descending order



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|---|---|---|---|
| 283 papers | 18,768 citations | 12303 69 h-index | 15218 126 g-index |
| 303 all docs | 303 docs citations | 303 times ranked | 12921 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Grid-Type Metal Ion Architectures: Functional Metallosupramolecular Arrays. Angewandte Chemie - International Edition, 2004, 43, 3644-3662. | 7.2 | 1,319 |
| 2 | Electronic read-out of a single nuclear spin using a molecular spin transistor. Nature, 2012, 488, 357-360. | 13.7 | 744 |
| 3 | Electrically driven nuclear spin resonance in single-molecule magnets. Science, 2014, 344, 1135-1138. | 6.0 | 678 |
| 4 | Supramolecular spin valves. Nature Materials, 2011, 10, 502-506. | 13.3 | 638 |
| 5 | Emerging trends in spin crossover (SCO) based functional materials and devices. Coordination Chemistry Reviews, 2017, 346, 176-205. | 9.5 | 612 |
| 6 | Graphene Spintronic Devices with Molecular Nanomagnets. Nano Letters, 2011, 11, 2634-2639. | 4.5 | 371 |
| 7 | Homo-coupling of terminal alkynes on a noble metal surface. Nature Communications, 2012, 3, 1286. | 5.8 | 350 |
| 8 | Spin Crossover in a Supramolecular Fe4II [2Ã—2] Grid Triggered by Temperature, Pressure, and Light. Angewandte Chemie - International Edition, 2000, 39, 2504-2507. | 7.2 | 334 |
| 9 | Metalâ^'Organic Honeycomb Nanomeshes with Tunable Cavity Size. Nano Letters, 2007, 7, 3813-3817. | 4.5 | 297 |
| 10 | Strong spinâ€“phonon coupling between a single-molecule magnet and a carbon nanotube nanoelectromechanical system. Nature Nanotechnology, 2013, 8, 165-169. | 15.6 | 287 |
| 11 | Operating Quantum States in Single Magnetic Molecules: Implementation of Groverâ€™s Quantum Algorithm. Physical Review Letters, 2017, 119, 187702. | 2.9 | 256 |
| 12 | Molecular spin qudits for quantum algorithms. Chemical Society Reviews, 2018, 47, 501-513. | 18.7 | 254 |
| 13 | Toward Highly Reversible Magnesiumâ€“Sulfur Batteries with Efficient and Practical Mg[B(hfip)<sub>4</sub>]<sub>2</sub> Electrolyte. ACS Energy Letters, 2018, 3, 2005-2013. | 8.8 | 234 |
| 14 | 2D Supramolecular Assemblies of Benzene-1,3,5-triyl-tribenzoic Acid:Â Temperature-Induced Phase Transformations and Hierarchical Organization with Macrocyclic Molecules. Journal of the American Chemical Society, 2006, 128, 15644-15651. | 6.6 | 221 |
| 15 | Surface-Assisted Assembly of 2D Metalâ€“Organic Networks That Exhibit Unusual Threefold Coordination Symmetry. Angewandte Chemie - International Edition, 2007, 46, 710-713. | 7.2 | 219 |
| 16 | Addressing metal centres in supramolecular assemblies. Chemical Society Reviews, 2006, 35, 1056-1067. | 18.7 | 196 |
| 17 | Controlled Metalation of Self-Assembled Porphyrin Nanoarrays in Two Dimensions. ChemPhysChem, 2007, 8, 250-254. | 1.0 | 195 |
| 18 | Self-recognition and self-selection in multicomponent supramolecular coordination networks on surfaces. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 17927-17930. | 3.3 | 186 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | On-Surface Synthesis of Carbon-Based Scaffolds and Nanomaterials Using Terminal Alkynes. Accounts of Chemical Research, 2015, 48, 2140-2150. | 7.6 | 186 |
| 20 | Anchoring of Rare-Earth-Based Single-Molecule Magnets on Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2009, 131, 15143-15151. | 6.6 | 185 |
| 21 | Chiral KagomÃ© Lattice from Simple Ditopic Molecular Bricks. Journal of the American Chemical Society, 2008, 130, 11778-11782. | 6.6 | 184 |
| 22 | Electronic Structure of Surface-supported Bis(phthalocyaninato) terbium(III) Single Molecular Magnets. Nano Letters, 2008, 8, 3364-3368. | 4.5 | 183 |
| 23 | Electrical control over the Fe(II) spin crossover in a single molecule: Theory and experiment. Physical Review B, 2011, 83, . | 1.1 | 169 |
| 24 | Sublimable Spinâ€Crossover Complexes: From Spinâ€State Switching to Molecular Devices. Angewandte Chemie - International Edition, 2021, 60, 7502-7521. | 7.2 | 167 |
| 25 | Synthesis of Extended Graphdiyne Wires by Vicinal Surface Templating. Nano Letters, 2014, 14, 1891-1897. | 4.5 | 165 |
| 26 | Spin Dynamics in the Negatively Charged Terbium (III) Bis-phthalocyaninato Complex. Journal of the American Chemical Society, 2009, 131, 4387-4396. | 6.6 | 158 |
| 27 | Supramolecular Spintronic Devices: Spin Transitions and Magnetostructural Correlations in[Fe4IIL4]8+[2Ã—2]-Grid-Type Complexes. Chemistry - A European Journal, 2003, 9, 4422-4429. | 1.7 | 155 |
| 28 | Microâ€•and Nanopatterning of Spinâ€Transition Compounds into Logical Structures. Angewandte Chemie - International Edition, 2008, 47, 8596-8600. | 7.2 | 155 |
| 29 | Coupling Single Molecule Magnets to Ferromagnetic Substrates. Physical Review Letters, 2011, 107, 177205. | 2.9 | 153 |
| 30 | Room-temperature spin-transition iron compounds. Monatshefte FÃ¼r Chemie, 2009, 140, 695-733. | 0.9 | 151 |
| 31 | Carbon dioxide and metal centres: from reactions inspired by nature to reactions in compressed carbon dioxide as solvent. Coordination Chemistry Reviews, 1999, 182, 67-100. | 9.5 | 150 |
| 32 | Spin and Orbital Magnetic Moment Anisotropies of Monodispersed Bis(Phthalocyaninato)Terbium on a Copper Surface. Journal of the American Chemical Society, 2010, 132, 11900-11901. | 6.6 | 147 |
| 33 | Giant Hysteresis of Singleâ€Molecule Magnets Adsorbed on a Nonmagnetic Insulator. Advanced Materials, 2016, 28, 5195-5199. | 11.1 | 137 |
| 34 | High-Quality 2D Metalâ^'Organic Coordination Network Providing Giant Cavities within Mesoscale Domains. Journal of the American Chemical Society, 2009, 131, 3881-3883. | 6.6 | 134 |
| 35 | Real-space observation of spin-split molecular orbitals of adsorbed single-molecule magnets. Nature Communications, 2012, 3, 953. | 5.8 | 130 |
| 36 | Five-vertex Archimedean surface tessellation by lanthanide-directed molecular self-assembly. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6678-6681. | 3.3 | 123 |

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|---|---|---|---|
| 37 | Atomic Force Microscopy Reveals Bistable Configurations of Dibenzo[a,h]thianthrene and their Interconversion Pathway. Physical Review Letters, 2012, 108, 086101. | 2.9 | 122 |
| 38 | Single-Molecule Magnetism in a Pentacoordinate Cobalt(II) Complex Supported by an Antenna Ligand. Inorganic Chemistry, 2014, 53, 8200-8202. | 1.9 | 115 |
| 39 | Synthesis of ionisable [2 Ã— 2] grid-type metallo-arrays and reversible protonic modulation of the optical properties of the [CoII4L4]8+species. Chemical Communications, 2003, , 1338-1339. | 2.2 | 111 |
| 40 | Molecular Quantum Spintronics: Supramolecular Spin Valves Based on Single-Molecule Magnets and Carbon Nanotubes. International Journal of Molecular Sciences, 2011, 12, 6656-6667. | 1.8 | 110 |
| 41 | Programming Supramolecular Assembly and Chirality in Two-Dimensional Dicarboxylate Networks on a Cu(100) Surface. Nano Letters, 2005, 5, 901-904. | 4.5 | 109 |
| 42 | Surface-Confined Supramolecular Coordination Chemistry. Topics in Current Chemistry, 2008, 287, 1-44. | 4.0 | 109 |
| 43 | Switching of a coupled spin pair in a single-molecule junction. Nature Nanotechnology, 2013, 8, 575-579. | 15.6 | 107 |
| 44 | Random two-dimensional string networks based on divergent coordination assembly. Nature Chemistry, 2010, 2, 131-137. | 6.6 | 106 |
| 45 | One-Dimensional Self-Assembled Molecular Chains on Cu(100):â€‰Interplay between Surface-Assisted Coordination Chemistry and Substrate Commensurability. Journal of Physical Chemistry C, 2007, 111, 10982-10987. | 1.5 | 101 |
| 46 | Hierarchical Self-Assembly of Supramolecular Spintronic Modules into 1D- and 2D-Architectures with Emergence of Magnetic Properties. Chemistry - A European Journal, 2005, 11, 94-100. | 1.7 | 99 |
| 47 | Magnetic Interaction Between a Radical Spin and a Single-Molecule Magnet in a Molecular Spin-Valve. ACS Nano, 2015, 9, 4458-4464. | 7.3 | 97 |
| 48 | A Porphyrin Complex as a Selfâ€Conditioned Electrode Material for Highâ€Performance Energy Storage. Angewandte Chemie - International Edition, 2017, 56, 10341-10346. | 7.2 | 94 |
| 49 | Thin Deposits and Patterning of Room-Temperature-Switchable One-Dimensional Spin-Crossover Compounds. Langmuir, 2011, 27, 4076-4081. | 1.6 | 91 |
| 50 | Surface-Enhanced Raman Signal for Terbium Single-Molecule Magnets Grafted on Graphene. ACS Nano, 2010, 4, 7531-7537. | 7.3 | 90 |
| 51 | Multilevel Molecular Electronic Species: Electrochemical Reduction of a [2Ã—2]â€…CoII4 Grid-Type Complex by 11 Electrons in 10 Reversible Steps. Angewandte Chemie - International Edition, 2000, 39, 4139-4142. | 7.2 | 89 |
| 52 | Multi-modal sensing in spin crossover compounds. Journal of Materials Chemistry C, 2015, 3, 7836-7844. | 2.7 | 87 |
| 53 | Functional Supramolecular Devices: [M4IIL4]8+ [2Ã—2]-Grid-Type Complexes as Multilevel Molecular Electronic Species. Chemistry - A European Journal, 2003, 9, 291-299. | 1.7 | 86 |
| 54 | Rotational and constitutional dynamics of caged supramolecules. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21332-21336. | 3.3 | 83 |

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|---|---|---|---|
| 55 | Above room temperature spin transition in a metallo-supramolecular coordination oligomer/polymer. Chemical Communications, 2007, , 2636. | 2.2 | 81 |
| 56 | Dichotomous Array of Chiral Quantum Corrals by a Self-Assembled Nanoporous KagomÃ© Network. Nano Letters, 2009, 9, 3509-3514. | 4.5 | 78 |
| 57 | Single-molecule transport in three-terminal devices. Journal of Physics Condensed Matter, 2008, 20, 374121. | 0.7 | 77 |
| 58 | Highly Adaptable Two-Dimensional Metalâ€“Organic Coordination Networks on Metal Surfaces. Journal of the American Chemical Society, 2012, 134, 6072-6075. | 6.6 | 77 |
| 59 | Spin Transition in Arrays of Gold Nanoparticles and Spin Crossover Molecules. ACS Nano, 2015, 9, 4496-4507. | 7.3 | 77 |
| 60 | A Bibenzimidazole-Containing Ruthenium(II) Complex Acting as a Cation-Driven Molecular Switch. Inorganic Chemistry, 2000, 39, 1621-1624. | 1.9 | 74 |
| 61 | Synthesis, structures and magnetic properties of [(Î·9-C9H9)Ln(Î·8-C8H8)] super sandwich complexes. Nature Communications, 2019, 10, 3135. | 5.8 | 74 |
| 62 | Expanding the Coordination Cage: A Ruthenium(II)â^'Polypyridine Complex Exhibiting High Quantum Yields under Ambient Conditions. Inorganic Chemistry, 2009, 48, 5677-5684. | 1.9 | 73 |
| 63 | Tuning the spin-transition properties of pyrene-decorated 2,6-bispyrazolylpyridine based Fe(ii) complexes. Dalton Transactions, 2011, 40, 7564. | 1.6 | 73 |
| 64 | Spin Transition in a Chainlike Supramolecular Iron(II) Complex. Inorganic Chemistry, 2006, 45, 10019-10021. | 1.9 | 71 |
| 65 | Tunable Quantum Dot Arrays Formed from Self-Assembled Metal-Organic Networks. Physical Review Letters, 2011, 106, 026802. | 2.9 | 71 |
| 66 | Reversible Chiral Switching of Bis(phthalocyaninato) Terbium(III) on a Metal Surface. Nano Letters, 2012, 12, 3931-3935. | 4.5 | 70 |
| 67 | Visions for a molecular future. Nature Nanotechnology, 2013, 8, 385-389. | 15.6 | 70 |
| 68 | Addressing the Metal Centers of [2Ã—2] CoII4 Grid-Type Complexes by STM/STS. Angewandte Chemie - International Edition, 2005, 44, 7896-7900. | 7.2 | 69 |
| 69 | Exchange Biasing Single Molecule Magnets: Coupling of TbPc<sub>2</sub> to Antiferromagnetic Layers. Nano Letters, 2012, 12, 5703-5707. | 4.5 | 69 |
| 70 | Ordering and Stabilization of Metalâ€“Organic Coordination Chains by Hierarchical Assembly through Hydrogen Bonding at a Surface. Angewandte Chemie - International Edition, 2008, 47, 8835-8838. | 7.2 | 68 |
| 71 | Complex supramolecular interfacial tessellation through convergent multi-step reaction of a dissymmetric simple organic precursor. Nature Chemistry, 2018, 10, 296-304. | 6.6 | 68 |
| 72 | Self-Assembly of Nanoporous Chiral Networks with Varying Symmetry from Sexiphenyl-dicarbonitrile on Ag(111). Journal of Physical Chemistry C, 2009, 113, 17851-17859. | 1.5 | 66 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Characterization of a Surface Reaction by Means of Atomic Force Microscopy. Journal of the American Chemical Society, 2015, 137, 7424-7428. | 6.6 | 64 |
| 74 | New Organic Electrode Materials for Ultrafast Electrochemical Energy Storage. Advanced Materials, 2019, 31, e1806599. | 11.1 | 64 |
| 75 | Nuclear Spin Isomers: Engineering a Et<sub>4</sub>N[DyPc<sub>2</sub>] Spin Qudit. Angewandte Chemie - International Edition, 2017, 56, 9915-9919. | 7.2 | 62 |
| 76 | Electrical Readout of Individual Nuclear Spin Trajectories in a Single-Molecule Magnet Spin Transistor. Physical Review Letters, 2013, 111, 037203. | 2.9 | 61 |
| 77 | A Surface Coordination Network Based on Copper Adatom Trimers. Angewandte Chemie - International Edition, 2014, 53, 12955-12959. | 7.2 | 61 |
| 78 | Surface-assisted coordination chemistry and self-assembly. Dalton Transactions, 2006, , 2794-2800. | 1.6 | 60 |
| 79 | Charge Transport Through a Cardanâ€Joint Molecule. Small, 2008, 4, 2229-2235. | 5.2 | 60 |
| 80 | Spin-crossover in iron(<scp>ii</scp>)-Schiff base complexes. Dalton Transactions, 2019, 48, 15321-15337. | 1.6 | 59 |
| 81 | Surfaceâ€Confined Selfâ€Assembly of Diâ€carbonitrile Polyphenyls. Advanced Functional Materials, 2011, 21, 1230-1240. | 7.8 | 58 |
| 82 | Giant Magnetoresistance in Carbon Nanotubes with Single-Molecule Magnets TbPc<sub>2</sub>. ACS Nano, 2017, 11, 6868-6880. | 7.3 | 58 |
| 83 | Squaring the Interface: ?Surface-Assisted? Coordination Chemistry. Angewandte Chemie - International Edition, 2005, 44, 1594-1596. | 7.2 | 56 |
| 84 | Assembling Isostructural Metalâ€Organic Coordination Architectures on Cu(100), Ag(100) and Ag(111) Substrates. ChemPhysChem, 2008, 9, 2495-2499. | 1.0 | 56 |
| 85 | Carbon Nanotube Nanoelectromechanical Systems as Magnetometers for Single-Molecule Magnets. ACS Nano, 2013, 7, 6225-6236. | 7.3 | 56 |
| 86 | Room temperature switching of a neutral molecular iron(ii) complex. Chemical Communications, 2013, 49, 10986. | 2.2 | 55 |
| 87 | Quantum Einstein-de Haas effect. Nature Communications, 2016, 7, 11443. | 5.8 | 55 |
| 88 | Bis(R-bipyridyl)ruthenium bibenzimidazole complexes (Râ€…=â€…H, Me or Butâ€Š): supramolecular arrangement via hydrogen bonds, photo- and electro-chemical properties and reactivity towards carbon dioxide. Dalton Transactions RSC, 2000, , 3649-3657. | 2.3 | 54 |
| 89 | Engineering Onâ€Surface Spin Crossover: Spinâ€State Switching in a Selfâ€Assembled Film of Vacuumâ€Sublimable Functional Molecule. Advanced Materials, 2018, 30, 1705416. | 11.1 | 54 |
| 90 | Copper Porphyrin as a Stable Cathode for Highâ€Performance Rechargeable Potassium Organic Batteries. ChemSusChem, 2020, 13, 2286-2294. | 3.6 | 54 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Ultra-narrow optical linewidths in rare-earth molecular crystals. Nature, 2022, 603, 241-246. | 13.7 | 54 |
| 92 | Surface confinement of TbPc<sub>2</sub>-SMMs: structural, electronic and magnetic properties. Dalton Transactions, 2016, 45, 18417-18433. | 1.6 | 52 |
| 93 | Quantum tunnelling of the magnetisation in single-molecule magnet isotopologue dimers. Chemical Science, 2019, 10, 5138-5145. | 3.7 | 52 |
| 94 | Conductance Switching and Vibrational Fine Structure of a [2â€‰Ã—â€‰2] Co<sup>II</sup><sub>4</sub> Gridlike Single Molecule Measured in a Threeâ€Terminal Device. Small, 2010, 6, 174-178. | 5.2 | 51 |
| 95 | Landau-Zener tunneling of a single Tb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math>magnetic moment allowing the electronic read-out of a nuclear spin. Physical Review B, 2013, 87, . | 1.1 | 51 |
| 96 | Electrical Read-Out of a Single Spin Using an Exchange-Coupled Quantum Dot. ACS Nano, 2017, 11, 3984-3989. | 7.3 | 50 |
| 97 | Self-Assembly, Structure and Solution Dynamics of Tetranuclear Zn2+ Hydrazone [2Ã—2] Grid-Type Complexes. European Journal of Inorganic Chemistry, 2006, 2006, 784-792. | 1.0 | 49 |
| 98 | Lattice-solvent controlled spin transitions in iron(ii) complexes. Dalton Transactions, 2007, , 3531. | 1.6 | 49 |
| 99 | Coupling of single, double, and triple-decker metal-phthalocyanine complexes to ferromagnetic and antiferromagnetic substrates. Surface Science, 2014, 630, 361-374. | 0.8 | 49 |
| 100 | A luminescent Pt<sub>2</sub>Fe spin crossover complex. Dalton Transactions, 2017, 46, 2289-2302. | 1.6 | 49 |
| 101 | STM spectroscopy of magnetic molecules. Coordination Chemistry Reviews, 2009, 253, 2387-2398. | 9.5 | 48 |
| 102 | Exchange-bias quantum tunnelling in a CO<sub>2</sub>-based Dy<sub>4</sub>-single molecule magnet. Chemical Science, 2017, 8, 1178-1185. | 3.7 | 48 |
| 103 | Single-molecule devices with graphene electrodes. Dalton Transactions, 2016, 45, 16570-16574. | 1.6 | 47 |
| 104 | Molecular Orbital Gates for Plasmon Excitation. Nano Letters, 2013, 13, 2846-2850. | 4.5 | 46 |
| 105 | Spin-state dependent conductance switching in single molecule-graphene junctions. Nanoscale, 2018, 10, 7905-7911. | 2.8 | 46 |
| 106 | Using metal-organic templates to steer the growth of Fe and Co nanoclusters. Applied Physics Letters, 2008, 93, 243102. | 1.5 | 45 |
| 107 | Surface-Confined Metalâ“Organic Nanostructures from Co-Directed Assembly of Linear Terphenyl-dicarbonitrile Linkers on Ag(111). Journal of Physical Chemistry C, 2010, 114, 15602-15606. | 1.5 | 44 |
| 108 | Fixation of Carbon Dioxide by Oxalic Amidinato Magnesium Complexes: Structures and Reactions of Trimetallic Magnesium Carbamato and Related Complexes. European Journal of Inorganic Chemistry, 2000, 2000, 1055-1064. | 1.0 | 43 |

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|---|---|---|---|
| 109 | Supramolecular lattice-solvent control of iron(ii) spin transition parameters. CrystEngComm, 2010, 12, 2361. | 1.3 | 43 |
| 110 | The interplay of iron(ii) spin transition and polymorphism. Dalton Transactions, 2012, 41, 5163. | 1.6 | 43 |
| 111 | Hysteretic behaviour in a vacuum deposited submonolayer of single ion magnets. Dalton Transactions, 2014, 43, 10686-10689. | 1.6 | 43 |
| 112 | Surfaceâ€Supported Robust 2D Lanthanideâ€Carboxylate Coordination Networks. Small, 2015, 11, 6358-6364. | 5.2 | 43 |
| 113 | Charge-switchable molecular magnet and spin blockade of tunneling. Physical Review B, 2007, 75, . | 1.1 | 42 |
| 114 | Câ€“Au Covalently Bonded Molecular Junctions Using Nonprotected Alkynyl Anchoring Groups. Journal of the American Chemical Society, 2016, 138, 8465-8469. | 6.6 | 42 |
| 115 | Template-directed supramolecular self-assembly of coordination dumbbells at surfaces. Chemical Communications, 2007, , 4860. | 2.2 | 41 |
| 116 | Conformational Adaptation in Supramolecular Assembly on Surfaces. ChemPhysChem, 2007, 8, 1782-1786. | 1.0 | 41 |
| 117 | Divergent Coordination Chemistry: Parallel Synthesis of [2Ã—2] Iron(II) Gridâ€Complex Tautoâ€Conformers. Angewandte Chemie - International Edition, 2016, 55, 10881-10885. | 7.2 | 41 |
| 118 | Synthetic Hilbert Space Engineering of Molecular Qudits: Isotopologue Chemistry. Advanced Materials, 2019, 31, e1806687. | 11.1 | 41 |
| 119 | Selective Coordination Bonding in Metalloâ€Supramolecular Systems on Surfaces. Angewandte Chemie - International Edition, 2012, 51, 4327-4331. | 7.2 | 40 |
| 120 | Adsorption and dehydrogenation of tetrahydroxybenzene on Cu(111). Chemical Communications, 2013, 49, 9308. | 2.2 | 40 |
| 121 | Steering On-Surface Self-Assembly of High-Quality Hydrocarbon Networks with Terminal Alkynes. Journal of Physical Chemistry C, 2013, 117, 3987-3995. | 1.5 | 40 |
| 122 | Unusual Deprotonated Alkynyl Hydrogen Bonding in Metal-Supported Hydrocarbon Assembly. Journal of Physical Chemistry C, 2015, 119, 9669-9679. | 1.5 | 39 |
| 123 | Monitoring the Electrochemical Energy Storage Processes of an Organic Full Rechargeable Battery via Operando Raman Spectroscopy: A Mechanistic Study. Chemistry of Materials, 2019, 31, 3239-3247. | 3.2 | 39 |
| 124 | 1D and 2D Graphdiynes: Recent Advances on the Synthesis at Interfaces and Potential Nanotechnological Applications. Annalen Der Physik, 2017, 529, 1700056. | 0.9 | 38 |
| 125 | Functionalized Graphdiyne Nanowires: Onâ€Surface Synthesis and Assessment of Band Structure, Flexibility, and Information Storage Potential. Small, 2018, 14, e1704321. | 5.2 | 38 |
| 126 | Zero-field splitting in pentacoordinate Co(II) complexes. Polyhedron, 2013, 65, 122-128. | 1.0 | 37 |

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|---|---|---|---|
| 127 | Controlling the Spin Texture of Topological Insulators by Rational Design of Organic Molecules. Nano Letters, 2015, 15, 6022-6029. | 4.5 | 37 |
| 128 | Antiferromagnetic coupling of TbPc2 molecules to ultrathin Ni and Co films. Beilstein Journal of Nanotechnology, 2013, 4, 320-324. | 1.5 | 36 |
| 129 | Understanding the Superior Stability of Singleâ€Molecule Magnets on an Oxide Film. Advanced Science, 2019, 6, 1901736. | 5.6 | 36 |
| 130 | Magnetic interplay between two different lanthanides in a tris-phthalocyaninato complex: a viable synthetic route and detailed investigation in the bulk and on the surface. Journal of Materials Chemistry C, 2015, 3, 9794-9801. | 2.7 | 34 |
| 131 | Above room temperature spin transition in a series of iron(II) bis(pyrazolyl)pyridine compounds. Comptes Rendus Chimie, 2008, 11, 1166-1174. | 0.2 | 33 |
| 132 | Spin and charge dynamics in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mrow><mml:mo>[</mml:mo><mml:mrow><mml:msub><mml:mrow><m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mrow><mml:mo>[</mml:mo><mml:mrow><mml:msub. Physical Review B, 2010, 82, . | 1.1 | 33 |
| 133 | Anion driven modulation of magnetic intermolecular interactions and spin crossover properties in an isomorphous series of mononuclear iron(iii) complexes with a hexadentate Schiff base ligand. CrystEngComm, 2012, 14, 7015. | 1.3 | 33 |
| 134 | Does the Surface Matter? Hydrogenâ€Bonded Chain Formation of an Oxalic Amide Derivative in a Twoâ€• and Threeâ€Dimensional Environment. ChemPhysChem, 2008, 9, 2522-2530. | 1.0 | 32 |
| 135 | Uniform Ï€â€System Alignment in Thin Films of Templateâ€Grown Dicarbonitrileâ€Oligophenyls. Advanced Functional Materials, 2011, 21, 1631-1642. | 7.8 | 32 |
| 136 | Supramolecular Co(II)-[2 Ã— 2] Grids:Â Metamagnetic Behavior in a Single Molecule. Inorganic Chemistry, 2006, 45, 6535-6540. | 1.9 | 31 |
| 137 | An Iron(II) Spinâ€Transition Compound with Thiol Anchoring Groups. European Journal of Inorganic Chemistry, 2008, 2008, 2649-2653. | 1.0 | 31 |
| 138 | A charge neutral iron(<scp>ii</scp>) complex with an above room temperature spin crossover (SCO) and hysteresis loop. Journal of Materials Chemistry C, 2015, 3, 11635-11644. | 2.7 | 31 |
| 139 | A Porphyrin Complex as a Selfâ€Conditioned Electrode Material for Highâ€Performance Energy Storage. Angewandte Chemie, 2017, 129, 10477-10482. | 1.6 | 31 |
| 140 | Spin-communication channels between Ln(III) bis-phthalocyanines molecular nanomagnets and a magnetic substrate. Scientific Reports, 2016, 6, 21740. | 1.6 | 30 |
| 141 | Synthesizing Highly Regular Single-Layer Alkynylâ€“Silver Networks at the Micrometer Scale via Gas-Mediated Surface Reaction. Journal of the American Chemical Society, 2019, 141, 5087-5091. | 6.6 | 30 |
| 142 | Supramolecular Organization and Chiral Resolution of pâ€Terphenylâ€mâ€Dicarbonitrile on the Ag(111) Surface. ChemPhysChem, 2010, 11, 1446-1451. | 1.0 | 29 |
| 143 | 2â€‰D Selfâ€Assembly and Catalytic Homoâ€coupling of the Terminal Alkyne 1,4â€Bis(3,5â€diethynylâ€phenyl)butadyneâ€1,3 on Ag(111). ChemCatChem, 2013, 5, 3281-3288. | 1.8 | 29 |
| 144 | Coupling molecular spin centers to microwave planar resonators: towards integration of molecular qubits in quantum circuits. Dalton Transactions, 2016, 45, 16596-16603. | 1.6 | 29 |

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|---|---|---|---|
| 145 | Radical-lanthanide ferromagnetic interaction in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">T</mml:mi><mml:msup><mml:mrow><mml:mi mathvariant="normal">b</mml:mi></mml:mrow><mml:mi>III</mml:mi></mml:msup></mml:mrow></mml:math> bis-phthalocyaninato complex. Physical Review Materials, 2018, 2, . | 0.9 | 29 |
| 146 | Spin-Crossover and Massive Anisotropy Switching of 5d Transition Metal Atoms on Graphene Nanoflakes. Nano Letters, 2014, 14, 3364-3368. | 4.5 | 28 |
| 147 | Direct Conversion of CO<sub>2</sub> to Multiâ€Layer Graphene using Cuâ€“Pd Alloys. ChemSusChem, 2019, 12, 3509-3514. | 3.6 | 28 |
| 148 | Spin dynamics in the neutral rare-earth single-molecule magnets<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mo>[</mml:mo><mml:mrow><mml:msub><mml:mrow><m | 11 | 27 |
| 149 | Rational In Silico Design of an Organic Semiconductor with Improved Electron Mobility. Advanced Materials, 2017, 29, 1703505. | 11.1 | 27 |
| 150 | Observation of Cooperative Electronic Quantum Tunneling: Increasing Accessible Nuclear States in a Molecular Qudit. Inorganic Chemistry, 2018, 57, 9873-9879. | 1.9 | 27 |
| 151 | Bi-stable spin-crossover characteristics of a highly distorted [Fe(1-BPP-COOC<sub>2</sub>H<sub>5</sub>)<sub>2</sub>](ClO<sub>4</sub>)<sub>2</sub>Â·CH<sub>3</sub>CN complex. Dalton Transactions, 2019, 48, 3825-3830. | 1.6 | 27 |
| 152 | Mixed-Valence Heptanuclear Iron Complexes with Ferromagnetic Interaction. Inorganic Chemistry, 2012, 51, 12755-12767. | 1.9 | 26 |
| 153 | Convergent and divergent two-dimensional coordination networks formed through substrate-activated or quenched alkynyl ligation. Chemical Communications, 2014, 50, 9973-9976. | 2.2 | 26 |
| 154 | Highly luminescent charge-neutral europium(iii) and terbium(iii) complexes with tridentate nitrogen ligands. Dalton Transactions, 2015, 44, 15611-15619. | 1.6 | 26 |
| 155 | Relay-Like Exchange Mechanism through a Spin Radical between TbPc<sub>2</sub> Molecules and Graphene/Ni(111) Substrates. ACS Nano, 2016, 10, 9353-9360. | 7.3 | 26 |
| 156 | Structural diversity in substituted-pyridinium iodo- and bromoplumbates: a matter of halide and temperature. CrystEngComm, 2016, 18, 8207-8219. | 1.3 | 25 |
| 157 | Probing magnetic coupling between LnPc<sub>2</sub> (Ln = Tb, Er) molecules and the graphene/Ni (111) substrate with and without Au-intercalation: role of the dipolar field. Nanoscale, 2018, 10, 277-283. | 2.8 | 25 |
| 158 | Generalized Ramsey interferometry explored with a single nuclear spin qudit. Npj Quantum Information, 2018, 4, . | 2.8 | 25 |
| 159 | Thermal and Photoinduced Spin Crossover in a Mononuclear Iron(II) Complex with a Bis(pyrazolyl)pyridine Type of Ligand. European Journal of Inorganic Chemistry, 2013, 2013, 1049-1057. | 1.0 | 24 |
| 160 | Exchange bias of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TbPc</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> magnets on antiferromagnetic FeMn and ferromagnetic Fe films. Physical Review B, 2015, 92, . | 1.1 | 24 |
| 161 | Oneâ€Dimensionally Disordered Chiral Sorting by Racemic Tiling in a Surfaceâ€Confined Supramolecular Assembly of Achiral Tectons. Angewandte Chemie - International Edition, 2017, 56, 7797-7802. | 7.2 | 24 |
| 162 | Role of Ï€-Radicals in the Spin Connectivity of Clusters and Networks of Tb Double-Decker Single Molecule Magnets. ACS Nano, 2017, 11, 10750-10760. | 7.3 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | A Lithiumâ€Free Energyâ€Storage Device Based on an Alkyneâ€Substitutedâ€Porphyrin Complex. ChemSusChem, 2019, 12, 3737-3741. | 3.6 | 24 |
| 164 | Polymorphism dependent light induced spin transition. Dalton Transactions, 2014, 43, 16584-16587. | 1.6 | 23 |
| 165 | A spin crossover (SCO) active graphene-iron(<scp>ii</scp>) complex hybrid material. Dalton Transactions, 2018, 47, 35-40. | 1.6 | 23 |
| 166 | Novel polypyridyl ruthenium(II) complexes containing oxalamidines as ligands. Inorganica Chimica Acta, 2000, 303, 206-214. | 1.2 | 22 |
| 167 | Competing Interactions in Surface Reticulation with a Prochiral Dicarbonitrile Linker. Journal of Physical Chemistry C, 2013, 117, 12858-12863. | 1.5 | 22 |
| 168 | Bilayer of Terbium Double-Decker Single-Molecule Magnets. Journal of Physical Chemistry C, 2016, 120, 13581-13586. | 1.5 | 22 |
| 169 | Five mononuclear pentacoordinate Co(II) complexes with field-induced slow magnetic relaxation. Polyhedron, 2017, 126, 174-183. | 1.0 | 22 |
| 170 | Linking Electronic Transport through a Spin Crossover Thin Film to the Molecular Spin State Using X-ray Absorption Spectroscopy Operando Techniques. ACS Applied Materials & Interfaces, 2018, 10, 31580-31585. | 4.0 | 22 |
| 171 | Polynuclear Iron(II) Complexes with 2,6-Bis(pyrazol-1-yl)pyridine-anthracene Ligands Exhibiting Highly Distorted High-Spin Centers. Inorganic Chemistry, 2019, 58, 4310-4319. | 1.9 | 22 |
| 172 | Stereochemistry of coordination polyhedra vs. single ion magnetism in penta- and hexacoordinated Co(<scp>ii</scp>) complexes with tridentate rigid ligands. Dalton Transactions, 2020, 49, 1249-1264. | 1.6 | 22 |
| 173 | Spin-dependent electronic structure of the Co/Al(OP)<sub>3</sub>interface. New Journal of Physics, 2013, 15, 113054. | 1.2 | 21 |
| 174 | Single-molecule magnet behavior in 2,2â€™-bipyrimidine-bridged dilanthanide complexes. Beilstein Journal of Nanotechnology, 2016, 7, 126-137. | 1.5 | 21 |
| 175 | Optical spin-state polarization in a binuclear europium complex towards molecule-based coherent light-spin interfaces. Nature Communications, 2021, 12, 2152. | 5.8 | 21 |
| 176 | Introduction of plumbole to f-element chemistry. Chemical Science, 2022, 13, 945-954. | 3.7 | 21 |
| 177 | Two- to one-dimensional transition of self-assembled coordination networks at surfaces by organic ligand addition. Chemical Communications, 2009, , 2502. | 2.2 | 20 |
| 178 | Positioning of Single Co Atoms Steered by a Self-Assembled Organic Molecular Template. Journal of Physical Chemistry Letters, 2011, 2, 1639-1645. | 2.1 | 20 |
| 179 | Solvent-Induced Polymorphism of Iron(II) Spin Crossover Complexes. Materials, 2016, 9, 585. | 1.3 | 20 |
| 180 | Surfaceâ€Guided Formation of an Organocobalt Complex. Angewandte Chemie - International Edition, 2016, 55, 5754-5759. | 7.2 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Landau-Zener Transition in a Continuously Measured Single-Molecule Spin Transistor. Physical Review Letters, 2017, 118, 257701. | 2.9 | 20 |
| 182 | Color Theory in Science and Art: Ostwald and the Bauhaus. Angewandte Chemie - International Edition, 2004, 43, 4842-4847. | 7.2 | 19 |
| 183 | Surface induces different crystal structures in a room temperature switchable spin crossover compound. Dalton Transactions, 2016, 45, 134-143. | 1.6 | 19 |
| 184 | Terminal Alkyne Coupling on a Corrugated Noble Metal Surface: From Controlled Precursor Alignment to Selective Reactions. Chemistry - A European Journal, 2017, 23, 15588-15593. | 1.7 | 19 |
| 185 | On-surface structural and electronic properties of spontaneously formed Tb<sub>2</sub>Pc<sub>3</sub> single molecule magnets. Nanoscale, 2018, 10, 15553-15563. | 2.8 | 19 |
| 186 | Highâ€resolution scanning tunneling and atomic force microscopy of stereochemically resolved dibenzo[a,h]thianthrene molecules. Physica Status Solidi (B): Basic Research, 2013, 250, 2424-2430. | 0.7 | 18 |
| 187 | Tuning the magneto-optical response of TbPc<sub>2</sub> single molecule magnets by the choice of the substrate. Journal of Materials Chemistry C, 2015, 3, 8039-8049. | 2.7 | 18 |
| 188 | Field-regulated switching of the magnetization of Co-porphyrin on graphene. Physical Review B, 2014, 89, . | 1.1 | 17 |
| 189 | Screening the 4f-electron spin of TbPc<sub>2</sub> single-molecule magnets on metal substrates by ligand channeling. Nanoscale, 2019, 11, 21167-21179. | 2.8 | 17 |
| 190 | A Selfâ€Conditioned Metalloporphyrin as a Highly Stable Cathode for Fast Rechargeable Magnesium Batteries. ChemSusChem, 2021, 14, 1840-1846. | 3.6 | 17 |
| 191 | Bi-stable spin-crossover in charge-neutral [Fe(R-ptp)<sub>2</sub>] (ptp =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (2-(1<br>1022-1031. | 1.6 | 16 |
| 192 | Iron in a Cage: Fixation of a Fe(II)tpy<sub>2</sub> Complex by Fourfold Interlinking. Angewandte Chemie - International Edition, 2020, 59, 15947-15952. | 7.2 | 16 |
| 193 | Sublimierbare Spinâ€Crossoverâ€Komplexe: Vom Schalten des Spinzustands zu molekularen Bauelementen. Angewandte Chemie, 2021, 133, 7578-7598. | 1.6 | 16 |
| 194 | Increasing the Hilbert space dimension using a single coupled molecular spin. Nature Communications, 2021, 12, 4443. | 5.8 | 16 |
| 195 | (Polypyridyl)ruthenium(II) Complexes Based on a Backâ€toâ€Back Bis(pyrazolylpyridine) Bridging Ligand. European Journal of Inorganic Chemistry, 2009, 2009, 53-61. | 1.0 | 15 |
| 196 | Functionalization of Open Two-Dimensional Metalâ€“Organic Templates through the Selective Incorporation of Metal Atoms. Journal of Physical Chemistry C, 2013, 117, 8871-8877. | 1.5 | 15 |
| 197 | Nuclear Spin Isomers: Engineering a Et 4 N[DyPc 2 ] Spin Qudit. Angewandte Chemie, 2017, 129, 10047-10051. | 1.6 | 15 |
| 198 | Low spin Fe(II) complexes formed of monosubstitued 2,6-bis(2-benzimidazolyl)pyridine ligands. Polyhedron, 2017, 123, 122-131. | 1.0 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Structural Insights into Hysteretic Spinâ€Crossover in a Set of | 1.7 | 15 |
| 200 | Characterization of Nonanuclear Europium and Gadolinium Complexes by Gas-Phase Luminescence Spectroscopy. Journal of Physical Chemistry Letters, 2014, 5, 1727-1731. | 2.1 | 14 |
| 201 | Kondo effect in binuclear metal-organic complexes with weakly interacting spins. Physical Review B, 2015, 91, . | 1.1 | 14 |
| 202 | Self-assembly of bis(phthalocyaninato)terbium on metal surfaces. Physica Scripta, 2015, 90, 098003. | 1.2 | 14 |
| 203 | Enantiopure Benzamidinate/Cyclooctatetraene Complexes of the Rare-Earth Elements: Synthesis, Structure, and Magnetism. Organometallics, 2018, 37, 3708-3717. | 1.1 | 14 |
| 204 | Low-energy spin dynamics in the[YPc2]0S=12antiferromagnetic chain. Physical Review B, 2011, 83, . | 1.1 | 13 |
| 205 | Substitutional Photoluminescence Modulation in Adducts of a Europium Chelate with a Range of Alkali Metal Cations: A Gas-Phase Study. Journal of Physical Chemistry A, 2014, 118, 94-102. | 1.1 | 13 |
| 206 | Dynamic Control of Plasmon Generation by an Individual Quantum System. Nano Letters, 2014, 14, 5693-5697. | 4.5 | 13 |
| 207 | Conductive Metalâ€“Organic Framework Thin Film Hybrids by Electropolymerization of Monosubstituted Acetylenes. ACS Applied Materials & Interfaces, 2020, 12, 30972-30979. | 4.0 | 13 |
| 208 | Hierarchically Organized Bimolecular Ladder Network Exhibiting Guided One-Dimensional Diffusion. ACS Nano, 2012, 6, 549-556. | 7.3 | 12 |
| 209 | CO<sub>2</sub> Binding and Induced Structural Collapse of a Surface-Supported Metalâ€“Organic Network. Journal of Physical Chemistry C, 2016, 120, 18622-18630. | 1.5 | 12 |
| 210 | Spacer type mediated tunable spin crossover (SCO) characteristics of pyrene decorated 2,6-bis(pyrazol-1-yl)pyridine (bpp) based Fe(<scp>ii</scp>) molecular spintronic modules. Dalton Transactions, 2017, 46, 9765-9768. | 1.6 | 12 |
| 211 | Ni<sup>II</sup><sub>36</sub>â€Containing 54â€Tungstoâ€6â€Silicate: Synthesis, Structure, Magnetic and Electrochemical Studies. Chemistry - A European Journal, 2021, 27, 15081-15085. | 1.7 | 12 |
| 212 | Optical properties and electrical transport of thin films of terbium(III) bis(phthalocyanine) on cobalt. Beilstein Journal of Nanotechnology, 2014, 5, 2070-2078. | 1.5 | 11 |
| 213 | Ein Metallâ€organisches Netzwerk auf Basis von Cuâ€Adatomâ€Trimeren. Angewandte Chemie, 2014, 126, 13169-13173. | 1.6 | 11 |
| 214 | Homoleptic Chiral Benzamidinate Complexes of Rareâ€Earth Elements: Synthesis, Structure, Luminescence, and Magnetism. European Journal of Inorganic Chemistry, 2016, 2016, 5512-5518. | 1.0 | 11 |
| 215 | Divergente Koordinationschemie: Parallele Synthese von [2Ã—2]â€Eisen(II)â€Gitterkomplextautokonformeren. Angewandte Chemie, 2016, 128, 11040-11044. | 1.6 | 11 |
| 216 | Supramolecular Interaction Tuning of Spin-Crossover in Pyrene/Fullerene (C60 ) Tethered FeII -2,6-Di(pyrazol-1-yl)pyridine Complexes: Towards Switchable Molecular Devices. European Journal of Inorganic Chemistry, 2018, 2018, 5091-5097. | 1.0 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Photoisomerization of Bis(tridentate) 2,6â€Bis(1Hâ€pyrazolâ€1â€yl)pyridine Ligands Exhibiting a Multiâ€anthracene Skeleton. Chemistry - A European Journal, 2017, 23, 10100-10109. | 1.7 | 10 |
| 218 | Characterization of the light induced excited spin state of a heterometallic FePt2 complex by high-field MÃ¶ssbauer spectroscopy. Hyperfine Interactions, 2017, 238, 1. | 0.2 | 10 |
| 219 | Onâ€Surface Activation of Trimethylsilylâ€Terminated Alkynes on Coinage Metal Surfaces. ChemPhysChem, 2019, 20, 2382-2393. | 1.0 | 10 |
| 220 | Bistable spin-crossover in a new series of [Fe(BPP-R)<sub>2</sub>]<sup>2+</sup> (BPP =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Tc | 1.6 | 10 |
| 221 | Heteronuclear Iron(III)â€“Schiff Base Complexes with the Hexacyanidocobaltate(III) Anion: On the Quest To Understand the Governing Factors of Spin Crossover. Inorganic Chemistry, 2020, 59, 2747-2757. | 1.9 | 10 |
| 222 | Strong Electronic Correlations inLixZnPcOrganic Metals. Physical Review Letters, 2008, 100, 117601. | 2.9 | 9 |
| 223 | Opposite Surface and Bulk Solvatochromic Effects in a Molecular Spin-Crossover Compound Revealed by Ambient Pressure X-ray Absorption Spectroscopy. Langmuir, 2018, 34, 3604-3609. | 1.6 | 9 |
| 224 | Hoâ€Mediated Alkyne Reactions at Low Temperatures on Ag(111). Chemistry - A European Journal, 2018, 24, 16126-16135. | 1.7 | 9 |
| 225 | Microwave-assisted reversal of a single electron spin. Journal of Applied Physics, 2019, 125, 142801. | 1.1 | 9 |
| 226 | Pressure-Modulated Broadband Emission in 2D Layered Hybrid Perovskite-Like Bromoplumbate. Inorganic Chemistry, 2020, 59, 12431-12436. | 1.9 | 9 |
| 227 | Thermal- and Light-Induced Spin-Crossover Characteristics of a Functional Iron(II) Complex at Submonolayer Coverage on HOPG. Journal of Physical Chemistry C, 2021, 125, 13925-13932. | 1.5 | 9 |
| 228 | Magneto-structural correlations in self-assembled spin-transition nano-architectures of the [][2Ã—2]-grid-type. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E715-E717. | 1.0 | 8 |
| 229 | Time- and space-modulated Raman signals in graphene-based optical cavities. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /O | 1.0 | 8 |
| 230 | Epitaxy-Induced Assembly and Enantiomeric Switching of an On-Surface Formed Dinuclear Organocobalt Complex. ACS Nano, 2017, 11, 1347-1359. | 7.3 | 8 |
| 231 | Polymorphism and metal-induced structural transformation in 5,5â€²-bis(4-pyridyl)(2,2â€²-bispyrimidine) adlayers on Au(111). Physical Chemistry Chemical Physics, 2018, 20, 15960-15969. | 1.3 | 8 |
| 232 | The self-assembly and metal adatom coordination of a linear bis-tetrazole ligand on Ag(111). Chemical Communications, 2018, 54, 10072-10075. | 2.2 | 8 |
| 233 | Visualization of structural changes and degradation of porphyrin-based battery electrodes. Journal of Power Sources, 2022, 522, 231002. | 4.0 | 8 |
| 234 | Charge carrier mobility and electronic properties of Al(Op)3: impact of excimer formation. Beilstein Journal of Nanotechnology, 2015, 6, 1107-1115. | 1.5 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Single-Molecule Magnets: Giant Hysteresis of Single-Molecule Magnets Adsorbed on a Nonmagnetic Insulator (Adv. Mater. 26/2016). Advanced Materials, 2016, 28, 5142-5142. | 11.1 | 7 |
| 236 | Correlation of the structural information obtained for europium-chelate ensembles from gas-phase photoluminescence and ion-mobility spectroscopy with density-functional computations and ligand-field theory. Physical Chemistry Chemical Physics, 2017, 19, 6105-6112. | 1.3 | 7 |
| 237 | Surfaceâ€Đependent Chemoselectivity in Câ^'C Coupling Reactions. Angewandte Chemie - International Edition, 2019, 58, 8356-8361. | 7.2 | 7 |
| 238 | Meta-Positioning of Carbonitrile Functional Groups Induces Interfacial Edge-On Phase of Oligophenyl Derivatives. Journal of Physical Chemistry C, 2014, 118, 2622-2633. | 1.5 | 6 |
| 239 | Synthesis, characterization, monolayer assembly and 2D lanthanide coordination of a linear terphenyl-di(propiolonitrile) linker on Ag(111). Beilstein Journal of Nanotechnology, 2015, 6, 327-335. | 1.5 | 6 |
| 240 | Oneâ€Đimensionally Disordered Chiral Sorting by Racemic Tiling in a Surfaceâ€Confined Supramolecular Assembly of Achiral Tectons. Angewandte Chemie, 2017, 129, 7905-7910. | 1.6 | 6 |
| 241 | Magnetic properties of transition metal dimers probed by inelastic neutron scattering. Dalton Transactions, 2018, 47, 11953-11959. | 1.6 | 6 |
| 242 | Chiral Resolution of Spinâ€Crossover Active Iron(II) [2x2] Grid Complexes. Chemistry - A European Journal, 2021, 27, 15171-15179. | 1.7 | 6 |
| 243 | Sizeâ€Controlled Hapticity Switching in [Ln(C<sub>9</sub>H<sub>9</sub>)(C<sub>8</sub>H<sub>8</sub>)] Sandwiches. Chemistry - A European Journal, 2021, 27, 13558-13567. | 1.7 | 6 |
| 244 | Indirect Spin-Readout of Rare-Earth-Based Single-Molecule Magnet with Scanning Tunneling Microscopy. Physical Review Letters, 2021, 127, 123201. | 2.9 | 6 |
| 245 | Terminal Ligand and Packing Effects on Slow Relaxation in an Isostructural Set of [Dy(H<sub>2</sub>dapp)X<sub>2</sub>]<sup>+</sup> Single Molecule Magnets**. Chemistry - A European Journal, 2021, 27, 15086-15095. | 1.7 | 6 |
| 246 | Spin-Crossover in Supramolecular Iron(II)â€"2,6-bis(1H-Pyrazol-1-yl)pyridine Complexes: Toward Spin-State Switchable Single-Molecule Junctions. ACS Omega, 2022, 7, 13654-13666. | 1.6 | 6 |
| 247 | A Tetranuclear Dysprosium Schiff Base Complex Showing Slow Relaxation of Magnetization. Inorganics, 2022, 10, 66. | 1.2 | 6 |
| 248 | Mass spectrometric characterization of a dinuclear terbium phthalocyaninato complex. International Journal of Mass Spectrometry, 2012, 325-327, 183-188. | 0.7 | 5 |
| 249 | Photoluminescence Spectroscopy of Mass-Selected Electrosprayed Ions Embedded in Cryogenic Rare-Gas Matrixes. Analytical Chemistry, 2015, 87, 11901-11906. | 3.2 | 5 |
| 250 | Surfaceâ€Guided Formation of an Organocobalt Complex. Angewandte Chemie, 2016, 128, 5848-5853. | 1.6 | 5 |
| 251 | Rotation in an Enantiospecific Selfâ€Assembled Array of Molecular Raffle Wheels. Angewandte Chemie - International Edition, 2021, 60, 26932-26938. | 7.2 | 5 |
| 252 | Unraveling the Hierarchic Formation of Open-porous Bimolecular Networks. Journal of Physical Chemistry C, 2012, 116, 16421-16429. | 1.5 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | The influence of molecular mobility on the properties of networks of gold nanoparticles and organic ligands. Beilstein Journal of Nanotechnology, 2014, 5, 1664-1674. | 1.5 | 4 |
| 254 | Phenalenyl-based mononuclear dysprosium complexes. Beilstein Journal of Nanotechnology, 2016, 7, 995-1009. | 1.5 | 4 |
| 255 | Controlled manipulation of the Coâ€“Alq3 interface by rational design of Alq3 derivatives. Dalton Transactions, 2016, 45, 18365-18376. | 1.6 | 4 |
| 256 | Iron in a Cage: Fixation of a Fe(II)tpy 2 Complex by Fourfold Interlinking. Angewandte Chemie, 2020, 132, 16081-16086. | 1.6 | 4 |
| 257 | Influence of the charge of the complex unit on the SCO properties in pyrazolyl-pyridinyl-benzimidazole based Fe(II) complexes. Polyhedron, 2017, 135, 189-194. | 1.0 | 3 |
| 258 | Quantum Tunneling Mediated Interfacial Synthesis of a Benzofuran Derivative. Angewandte Chemie - International Edition, 2019, 58, 11285-11290. | 7.2 | 3 |
| 259 | Spin-crossover in iron(II)-phenylene ethynylene-2,6-di(pyrazol-1-yl) pyridine hybrids: toward switchable molecular wire-like architectures. Journal of Physics Condensed Matter, 2020, 32, 204002. | 0.7 | 2 |
| 260 | Molecular Devices. , 2021, , 206-240. | | 2 |
| 261 | Heteroleptic, polynuclear dysprosium(<scp>iii</scp>)-carbamato complexes through in situ carbon dioxide capture. Dalton Transactions, 2021, 50, 4735-4742. | 1.6 | 2 |
| 262 | Ditopic Hexadentate Ligands with a Central Dihydrobenzoâ€diimidazole Unit Forming a [2x2] Zn 4 Grid Complex. European Journal of Organic Chemistry, 2021, 2021, 2301-2310. | 1.2 | 2 |
| 263 | Creating supramolecular semiregular Archimedean tilings via gas-mediated deprotonation of a terminal alkyne derivative. CrystEngComm, 0, , . | 1.3 | 2 |
| 264 | Supramolecular Spintronic Devices: Spin Transitions and Magnetostructural Correlations in[Fe4IIL4]8+[2Ã—2]-Grid-Type Complexes. Chemistry - A European Journal, 2003, 9, 5176-5176. | 1.7 | 1 |
| 265 | Charge-induced modulation of magnetic interactions in a [2 Ã— 2] metal-organic grid complex. International Journal of Quantum Chemistry, 2006, 106, 994-1000. | 1.0 | 1 |
| 266 | Low-energy excitations in electron-doped metal phthalocyanines. Physica B: Condensed Matter, 2008, 403, 1523-1525. | 1.3 | 1 |
| 267 | Synthesis, structure and physical characterization of the dimer {[(bpy)2Co]2(TPOA)}4+ (bpy=2,2â€²-dipyridyl; H2TPOA=N,Nâ€²,Nâ€²â€²,Nâ€²â€²â€²-tetraphenyl oxalamidine). Journal of Molecular Structure, 2008, 890, 272-276. | 1.6 | 1 |
| 268 | Light-induced spin transition in the spin-crossover complex FePt2 detected by optical pump -coherent resonant nuclear elastic scattering. Hyperfine Interactions, 2020, 241, 1. | 0.2 | 1 |
| 269 | Room-temperature spin nutations in a magnetically condensed phase of [Y(pc)2]Ë™. Chemical Communications, 2021, 57, 11505-11508. | 2.2 | 1 |
| 270 | Cover Feature: Structural Insights into Hysteretic Spinâ€Crossover in a Set of Journal, 2022, 28, . | 1.7 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Investigations on the Spin States of Two Mononuclear Iron(II) Complexes Based on N-Donor Tridentate Schiff Base Ligands Derived from Pyridine-2,6-Dicarboxaldehyde. Inorganics, 2022, 10, 98. | 1.2 | 1 |
| 272 | Grid-Type Metal Ion Architectures: Functional Metallosupramolecular Arrays. ChemInform, 2004, 35, no. | 0.1 | 0 |
| 273 | Color Theory in Science and Art: Ostwald and the Bauhaus. ChemInform, 2004, 35, no. | 0.1 | 0 |
| 274 | Squaring the Interface: â€œSurface-Assistedâ€•Coordination Chemistry. ChemInform, 2005, 36, no. | 0.1 | 0 |
| 275 | Taming Complexity: From Supramolecules to Suprafunctions. Advanced Materials, 2009, 21, 1037-1040. | 11.1 | 0 |
| 276 | Strong electronic correlations in Li<sub>x</sub>M(Pc,Nc) organic conductors near half filling. Journal of Physics: Conference Series, 2010, 200, 012033. | 0.3 | 0 |
| 277 | Molecular materials â€“ towards quantum properties. Beilstein Journal of Nanotechnology, 2015, 6, 1485-1486. | 1.5 | 0 |
| 278 | Quantum Tunneling Mediated Interfacial Synthesis of a Benzofuran Derivative. Angewandte Chemie, 2019, 131, 11407-11412. | 1.6 | 0 |
| 279 | Surfaceâ€Dependent Chemoselectivity in Câˆ’C Coupling Reactions. Angewandte Chemie, 2019, 131, 8444-8449. | 1.6 | 0 |
| 280 | Addressing aï»¿ Single Molecular Spinï»¿ with Graphene-Based Nanoarchitectures. Advances in Atom and Single Molecule Machines, 2017, , 165-184. | 0.0 | 0 |
| 281 | Scale-Bridging Models for Organic Semiconductors. , 0, , . | | 0 |
| 282 | Frontispiece: Terminal Ligand and Packing Effects on Slow Relaxation in an Isostructural Set of [Dy(H<sub>2</sub>dapp)X<sub>2</sub>]<sup>+</sup> Single Molecule Magnets. Chemistry - A European Journal, 2021, 27, . | 1.7 | 0 |
| 283 | Keeping dysprosium in line: Trinuclear heterometallic M <sup>II</sup> <sub>2</sub> Dy <sup>III</sup> complexes with M=Cd, Co and Cu. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 0, , . | 0.6 | 0 |