

Mario Ruben

List of Publications by Year in descending order

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283
papers

18,768
citations

12330

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15266

126
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303
all docs

303
docs citations

303
times ranked

12921
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Introduction of plumbale to f-element chemistry. <i>Chemical Science</i> , 2022, 13, 945-954. | 7.4 | 21 |
| 2 | Cover Feature: Structural Insights into Hysteretic Spin-Crossover in a Set of Journal, 2022, 28, . | 3.3 | 1 |
| 3 | Structural Insights into Hysteretic Spin-Crossover in a Set of | 3.3 | 15 |
| 4 | Visualization of structural changes and degradation of porphyrin-based battery electrodes. <i>Journal of Power Sources</i> , 2022, 522, 231002. | 7.8 | 8 |
| 5 | Ultra-narrow optical linewidths in rare-earth molecular crystals. <i>Nature</i> , 2022, 603, 241-246. | 27.8 | 54 |
| 6 | Spin-Crossover in Supramolecular Iron(II)-2,6-bis(1-H-Pyrazol-1-yl)pyridine Complexes: Toward Spin-State Switchable Single-Molecule Junctions. <i>ACS Omega</i> , 2022, 7, 13654-13666. | 3.5 | 6 |
| 7 | A Tetranuclear Dysprosium Schiff Base Complex Showing Slow Relaxation of Magnetization. <i>Inorganics</i> , 2022, 10, 66. | 2.7 | 6 |
| 8 | 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. <i>Inorganics</i> , 2022, 10, 98. | 2.7 | 1 |
| 9 | Sublimierbare Spin-Crossover-Komplexe: Vom Schalten des Spinzustands zu molekularen Bauelementen. <i>Angewandte Chemie</i> , 2021, 133, 7578-7598. | 2.0 | 16 |
| 10 | Sublimable Spin-Crossover Complexes: From Spin-State Switching to Molecular Devices. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7502-7521. | 13.8 | 167 |
| 11 | Molecular Devices. , 2021, , 206-240. | | 2 |
| 12 | Heteroleptic, polynuclear dysprosium(III)-carbamato complexes through <i>in situ</i> carbon dioxide capture. <i>Dalton Transactions</i> , 2021, 50, 4735-4742. | 3.3 | 2 |
| 13 | A Self-Conditioned Metalloporphyrin as a Highly Stable Cathode for Fast Rechargeable Magnesium Batteries. <i>ChemSusChem</i> , 2021, 14, 1840-1846. | 6.8 | 17 |
| 14 | Ditopic Hexadentate Ligands with a Central Dihydrobenzoimidazole Unit Forming a [2x2] Zn 4 Grid Complex. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 2301-2310. | 2.4 | 2 |
| 15 | Optical spin-state polarization in a binuclear europium complex towards molecule-based coherent light-spin interfaces. <i>Nature Communications</i> , 2021, 12, 2152. | 12.8 | 21 |
| 16 | Thermal- and Light-Induced Spin-Crossover Characteristics of a Functional Iron(II) Complex at Submonolayer Coverage on HOPG. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13925-13932. | 3.1 | 9 |
| 17 | Increasing the Hilbert space dimension using a single coupled molecular spin. <i>Nature Communications</i> , 2021, 12, 4443. | 12.8 | 16 |
| 18 | Chiral Resolution of Spin-Crossover Active Iron(II) [2x2] Grid Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 15171-15179. | 3.3 | 6 |

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|----|--|------|-----------|
| 19 | Size-Controlled Hapticity Switching in $[\text{Ln}(\text{C}_9\text{H}_9)(\text{C}_8\text{H}_8)]$ Sandwiches. Chemistry - A European Journal, 2021, 27, 13558-13567. | 3.3 | 6 |
| 20 | Indirect Spin-Readout of Rare-Earth-Based Single-Molecule Magnet with Scanning Tunneling Microscopy. Physical Review Letters, 2021, 127, 123201. | 7.8 | 6 |
| 21 | Ni^{II} -Containing $\text{54}\text{-}\text{Tungsto}\text{-}\text{6}\text{-}\text{Silicate}$: Synthesis, Structure, Magnetic and Electrochemical Studies. Chemistry - A European Journal, 2021, 27, 15081-15085. | 3.3 | 12 |
| 22 | Rotation in an Enantiospecific Self-Assembled Array of Molecular Raffle Wheels. Angewandte Chemie - International Edition, 2021, 60, 26932-26938. | 13.8 | 5 |
| 23 | Terminal Ligand and Packing Effects on Slow Relaxation in an Isostructural Set of $[\text{Dy}(\text{H}_2\text{dpp})\text{X}_2]^{+}$ Single Molecule Magnets**. Chemistry - A European Journal, 2021, 27, 15086-15095. | 3.3 | 6 |
| 24 | Room-temperature spin nutations in a magnetically condensed phase of $[\text{Y}(\text{pc})_2]\text{E}^{\text{TM}}$. Chemical Communications, 2021, 57, 11505-11508. | 4.1 | 1 |
| 25 | Frontispiece: Terminal Ligand and Packing Effects on Slow Relaxation in an Isostructural Set of $[\text{Dy}(\text{H}_2\text{dpp})\text{X}_2]^{+}$ Single Molecule Magnets. Chemistry - A European Journal, 2021, 27, . | 3.3 | 0 |
| 26 | Stereochemistry of coordination polyhedra <i>vs.</i> single ion magnetism in penta- and hexacoordinated $\text{Co}(\text{scp})_2$ complexes with tridentate rigid ligands. Dalton Transactions, 2020, 49, 1249-1264. | 3.3 | 22 |
| 27 | Bi-stable spin-crossover in charge-neutral $[\text{Fe}(\text{R-tp})_2]^{+}$ ($\text{tp} = \text{Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 427 Td (2-1) 1022-1031$). | 3.3 | 16 |
| 28 | Light-induced spin transition in the spin-crossover complex FePt_2 detected by optical pump-coherent resonant nuclear elastic scattering. Hyperfine Interactions, 2020, 241, 1. | 0.5 | 1 |
| 29 | Pressure-Modulated Broadband Emission in 2D Layered Hybrid Perovskite-Like Bromoplumbate. Inorganic Chemistry, 2020, 59, 12431-12436. | 4.0 | 9 |
| 30 | Bistable spin-crossover in a new series of $[\text{Fe}(\text{BPP-R})_2]^{2+}$ ($\text{BPP} = \text{Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 302 Td 1022-1031}$). | 3.3 | 10 |
| 31 | Iron in a Cage: Fixation of a $\text{Fe}(\text{II})\text{tpy}_2$ Complex by Fourfold Interlinking. Angewandte Chemie - International Edition, 2020, 59, 15947-15952. | 13.8 | 16 |
| 32 | Iron in a Cage: Fixation of a $\text{Fe}(\text{II})\text{tpy}_2$ Complex by Fourfold Interlinking. Angewandte Chemie, 2020, 132, 16081-16086. | 2.0 | 4 |
| 33 | Conductive Metal-Organic Framework Thin Film Hybrids by Electropolymerization of Monosubstituted Acetylenes. ACS Applied Materials & Interfaces, 2020, 12, 30972-30979. | 8.0 | 13 |
| 34 | 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. | 1.8 | 2 |
| 35 | Copper Porphyrin as a Stable Cathode for High-Performance Rechargeable Potassium Organic Batteries. ChemSusChem, 2020, 13, 2286-2294. | 6.8 | 54 |
| 36 | Heteronuclear Iron(III)-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. | 4.0 | 10 |

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|----|---|------|-----------|
| 37 | Spin-crossover in iron(II)-Schiff base complexes. Dalton Transactions, 2019, 48, 15321-15337. | 3.3 | 59 |
| 38 | Quantum Tunneling Mediated Interfacial Synthesis of a Benzofuran Derivative. Angewandte Chemie, 2019, 131, 11407-11412. | 2.0 | 0 |
| 39 | Synthesis, structures and magnetic properties of [(9-C9H9)Ln(8-C8H8)] super sandwich complexes. Nature Communications, 2019, 10, 3135. | 12.8 | 74 |
| 40 | A Lithium-Free Energy Storage Device Based on an Alkyne-Substituted Porphyrin Complex. ChemSusChem, 2019, 12, 3737-3741. | 6.8 | 24 |
| 41 | Understanding the Superior Stability of Single-Molecule Magnets on an Oxide Film. Advanced Science, 2019, 6, 1901736. | 11.2 | 36 |
| 42 | On-Surface Activation of Trimethylsilyl-Terminated Alkynes on Coinage Metal Surfaces. ChemPhysChem, 2019, 20, 2382-2393. | 2.1 | 10 |
| 43 | Direct Conversion of CO ₂ to Multi-Layer Graphene using Cu-Pd Alloys. ChemSusChem, 2019, 12, 3509-3514. | 6.8 | 28 |
| 44 | Surface-Dependent Chemoselectivity in C-C Coupling Reactions. Angewandte Chemie, 2019, 131, 8444-8449. | 2.0 | 0 |
| 45 | Quantum Tunneling Mediated Interfacial Synthesis of a Benzofuran Derivative. Angewandte Chemie - International Edition, 2019, 58, 11285-11290. | 13.8 | 3 |
| 46 | Surface-Dependent Chemoselectivity in C-C Coupling Reactions. Angewandte Chemie - International Edition, 2019, 58, 8356-8361. | 13.8 | 7 |
| 47 | Microwave-assisted reversal of a single electron spin. Journal of Applied Physics, 2019, 125, 142801. | 2.5 | 9 |
| 48 | Quantum tunnelling of the magnetisation in single-molecule magnet isotopologue dimers. Chemical Science, 2019, 10, 5138-5145. | 7.4 | 52 |
| 49 | Synthesizing Highly Regular Single-Layer Alkynyl-Silver Networks at the Micrometer Scale via Gas-Mediated Surface Reaction. Journal of the American Chemical Society, 2019, 141, 5087-5091. | 13.7 | 30 |
| 50 | 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. | 4.0 | 22 |
| 51 | 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. | 6.7 | 39 |
| 52 | Synthetic Hilbert Space Engineering of Molecular Quinoids: Isotopologue Chemistry. Advanced Materials, 2019, 31, e1806687. | 21.0 | 41 |
| 53 | New Organic Electrode Materials for Ultrafast Electrochemical Energy Storage. Advanced Materials, 2019, 31, e1806599. | 21.0 | 64 |
| 54 | Bi-stable spin-crossover characteristics of a highly distorted [Fe(1-BPP-COOC ₂ H ₅) ₂](ClO ₄) ₂ ·CH ₃ CN complex. Dalton Transactions, 2019, 48, 3825-3830. | 3.8 | 27 |

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|----|---|------|-----------|
| 55 | Screening the 4f-electron spin of TbPc ₂ single-molecule magnets on metal substrates by ligand channeling. <i>Nanoscale</i> , 2019, 11, 21167-21179. | 5.6 | 17 |
| 56 | Opposite Surface and Bulk Solvatochromic Effects in a Molecular Spin-Crossover Compound Revealed by Ambient Pressure X-ray Absorption Spectroscopy. <i>Langmuir</i> , 2018, 34, 3604-3609. | 3.5 | 9 |
| 57 | Spin-state dependent conductance switching in single molecule-graphene junctions. <i>Nanoscale</i> , 2018, 10, 7905-7911. | 5.6 | 46 |
| 58 | Functionalized Graphdiyne Nanowires: On-Surface Synthesis and Assessment of Band Structure, Flexibility, and Information Storage Potential. <i>Small</i> , 2018, 14, e1704321. | 10.0 | 38 |
| 59 | Engineering On-Surface Spin Crossover: Spin-State Switching in a Self-Assembled Film of Vacuum-Sublimable Functional Molecule. <i>Advanced Materials</i> , 2018, 30, 1705416. | 21.0 | 54 |
| 60 | Complex supramolecular interfacial tessellation through convergent multi-step reaction of a dissymmetric simple organic precursor. <i>Nature Chemistry</i> , 2018, 10, 296-304. | 13.6 | 68 |
| 61 | Molecular spin qubits for quantum algorithms. <i>Chemical Society Reviews</i> , 2018, 47, 501-513. | 38.1 | 254 |
| 62 | A spin crossover (SCO) active graphene-iron(<i>ii</i>) complex hybrid material. <i>Dalton Transactions</i> , 2018, 47, 35-40. | 3.3 | 23 |
| 63 | Probing magnetic coupling between LnPc ₂ (Ln = Tb, Er) molecules and the graphene/Ni (111) substrate with and without Au-intercalation: role of the dipolar field. <i>Nanoscale</i> , 2018, 10, 277-283. | 5.6 | 25 |
| 64 | Generalized Ramsey interferometry explored with a single nuclear spin qubit. <i>Npj Quantum Information</i> , 2018, 4, . | 6.7 | 25 |
| 65 | Supramolecular Interaction Tuning of Spin-Crossover in Pyrene/Fullerene (C60) Tethered Fell-2,6-Di(pyrazol-1-yl)pyridine Complexes: Towards Switchable Molecular Devices. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 5091-5097. | 2.0 | 11 |
| 66 | Enantiopure Benamidinate/Cyclooctatetraene Complexes of the Rare-Earth Elements: Synthesis, Structure, and Magnetism. <i>Organometallics</i> , 2018, 37, 3708-3717. | 2.3 | 14 |
| 67 | Ho-Mediated Alkyne Reactions at Low Temperatures on Ag(111). <i>Chemistry - A European Journal</i> , 2018, 24, 16126-16135. | 3.3 | 9 |
| 68 | Linking Electronic Transport through a Spin Crossover Thin Film to the Molecular Spin State Using X-ray Absorption Spectroscopy Operando Techniques. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31580-31585. | 8.0 | 22 |
| 69 | Observation of Cooperative Electronic Quantum Tunneling: Increasing Accessible Nuclear States in a Molecular Qubit. <i>Inorganic Chemistry</i> , 2018, 57, 9873-9879. | 4.0 | 27 |
| 70 | Toward Highly Reversible Magnesium-Sulfur Batteries with Efficient and Practical Mg[B(hfip) ₄] ₂ Electrolyte. <i>ACS Energy Letters</i> , 2018, 3, 2005-2013. | 17.4 | 234 |
| 71 | Magnetic properties of transition metal dimers probed by inelastic neutron scattering. <i>Dalton Transactions</i> , 2018, 47, 11953-11959. | 3.3 | 6 |
| 72 | Polymorphism and metal-induced structural transformation in 5,5'-bis(4-pyridyl)(2,2'-bispyrimidine) adlayers on Au(111). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15960-15969. | 2.8 | 8 |

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|----|--|------|-----------|
| 73 | The self-assembly and metal adatom coordination of a linear bis-tetrazole ligand on Ag(111). <i>Chemical Communications</i> , 2018, 54, 10072-10075. | 4.1 | 8 |
| 74 | On-surface structural and electronic properties of spontaneously formed Tb ₂ Pc ₃ single molecule magnets. <i>Nanoscale</i> , 2018, 10, 15553-15563. | 5.6 | 19 |
| 75 | Radical-lanthanide ferromagnetic interaction in a $Tb^{III} \text{ bis-phthalocyaninato}$ complex. <i>Physical Review Materials</i> , 2018, 2, . | 2.4 | 29 |
| 76 | Epitaxy-Induced Assembly and Enantiomeric Switching of an On-Surface Formed Dinuclear Organocobalt Complex. <i>ACS Nano</i> , 2017, 11, 1347-1359. | 14.6 | 8 |
| 77 | A luminescent Pt ₂ Fe spin crossover complex. <i>Dalton Transactions</i> , 2017, 46, 2289-2302. | 3.3 | 49 |
| 78 | 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. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 6105-6112. | 2.8 | 7 |
| 79 | Five mononuclear pentacoordinate Co(II) complexes with field-induced slow magnetic relaxation. <i>Polyhedron</i> , 2017, 126, 174-183. | 2.2 | 22 |
| 80 | Electrical Read-Out of a Single Spin Using an Exchange-Coupled Quantum Dot. <i>ACS Nano</i> , 2017, 11, 3984-3989. | 14.6 | 50 |
| 81 | One-Dimensionally Disordered Chiral Sorting by Racemic Tiling in a Surface-Confined Supramolecular Assembly of Achiral Tectons. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7797-7802. | 13.8 | 24 |
| 82 | Photoisomerization of Bis(tridentate) 2,6-Bis(1 <i>H</i> -pyrazol-1-yl)pyridine Ligands Exhibiting a Multi-Anthracene Skeleton. <i>Chemistry - A European Journal</i> , 2017, 23, 10100-10109. | 3.3 | 10 |
| 83 | A Porphyrin Complex as a Self-Conditioned Electrode Material for High-Performance Energy Storage. <i>Angewandte Chemie</i> , 2017, 129, 10477-10482. | 2.0 | 31 |
| 84 | A Porphyrin Complex as a Self-Conditioned Electrode Material for High-Performance Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10341-10346. | 13.8 | 94 |
| 85 | Giant Magnetoresistance in Carbon Nanotubes with Single-Molecule Magnets TbPc ₂ . <i>ACS Nano</i> , 2017, 11, 6868-6880. | 14.6 | 58 |
| 86 | One-Dimensionally Disordered Chiral Sorting by Racemic Tiling in a Surface-Confined Supramolecular Assembly of Achiral Tectons. <i>Angewandte Chemie</i> , 2017, 129, 7905-7910. | 2.0 | 6 |
| 87 | Emerging trends in spin crossover (SCO) based functional materials and devices. <i>Coordination Chemistry Reviews</i> , 2017, 346, 176-205. | 18.8 | 612 |
| 88 | Role of π -Radicals in the Spin Connectivity of Clusters and Networks of Tb Double-Decker Single Molecule Magnets. <i>ACS Nano</i> , 2017, 11, 10750-10760. | 14.6 | 24 |
| 89 | Operating Quantum States in Single Magnetic Molecules: Implementation of Grover's Quantum Algorithm. <i>Physical Review Letters</i> , 2017, 119, 187702. | 7.8 | 256 |
| 90 | Rational In Silico Design of an Organic Semiconductor with Improved Electron Mobility. <i>Advanced Materials</i> , 2017, 29, 1703505. | 21.0 | 27 |

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|-----|--|------|-----------|
| 91 | Terminal Alkyne Coupling on a Corrugated Noble Metal Surface: From Controlled Precursor Alignment to Selective Reactions. <i>Chemistry - A European Journal</i> , 2017, 23, 15588-15593. | 3.3 | 19 |
| 92 | Nuclear Spin Isomers: Engineering a $\text{Et}_4\text{N}[\text{DyPc}_2]$ Spin Qudit. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9915-9919. | 13.8 | 62 |
| 93 | Influence of the charge of the complex unit on the SCO properties in pyrazolyl-pyridinyl-benzimidazole based Fe(II) complexes. <i>Polyhedron</i> , 2017, 135, 189-194. | 2.2 | 3 |
| 94 | 1D and 2D Graphdiynes: Recent Advances on the Synthesis at Interfaces and Potential Nanotechnological Applications. <i>Annalen Der Physik</i> , 2017, 529, 1700056. | 2.4 | 38 |
| 95 | Nuclear Spin Isomers: Engineering a $\text{Et}_4\text{N}[\text{DyPc}_2]$ Spin Qudit. <i>Angewandte Chemie</i> , 2017, 129, 10047-10051. | 2.0 | 15 |
| 96 | Spacer type mediated tunable spin crossover (SCO) characteristics of pyrene decorated 2,6-bis(pyrazol-1-yl)pyridine (bpp) based Fe(II) molecular spintronic modules. <i>Dalton Transactions</i> , 2017, 46, 9765-9768. | 3.3 | 12 |
| 97 | Landau-Zener Transition in a Continuously Measured Single-Molecule Spin Transistor. <i>Physical Review Letters</i> , 2017, 118, 257701. | 7.8 | 20 |
| 98 | Low spin Fe(II) complexes formed of monosubstitued 2,6-bis(2-benzimidazolyl)pyridine ligands. <i>Polyhedron</i> , 2017, 123, 122-131. | 2.2 | 15 |
| 99 | Exchange-bias quantum tunnelling in a CO_2 -based Dy_4 -single molecule magnet. <i>Chemical Science</i> , 2017, 8, 1178-1185. | 7.4 | 48 |
| 100 | Characterization of the light induced excited spin state of a heterometallic FePt ₂ complex by high-field Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2017, 238, 1. | 0.5 | 10 |
| 101 | Addressing Single Molecular Spintronics with Graphene-Based Nanoarchitectures. <i>Advances in Atom and Single Molecule Machines</i> , 2017, , 165-184. | 0.0 | 0 |
| 102 | Single-molecule magnet behavior in 2,2'-bipyrimidine-bridged dilanthanide complexes. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 126-137. | 2.8 | 21 |
| 103 | Phenalenyl-based mononuclear dysprosium complexes. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 995-1009. | 2.8 | 4 |
| 104 | Solvent-Induced Polymorphism of Iron(II) Spin Crossover Complexes. <i>Materials</i> , 2016, 9, 585. | 2.9 | 20 |
| 105 | Giant Hysteresis of Single-Molecule Magnets Adsorbed on a Nonmagnetic Insulator. <i>Advanced Materials</i> , 2016, 28, 5195-5199. | 21.0 | 137 |
| 106 | Surface-Guided Formation of an Organocobalt Complex. <i>Angewandte Chemie</i> , 2016, 128, 5848-5853. | 2.0 | 5 |
| 107 | Quantum Einstein-de Haas effect. <i>Nature Communications</i> , 2016, 7, 11443. | 12.8 | 55 |
| 108 | Spin-communication channels between Ln(III) bis-phthalocyanines molecular nanomagnets and a magnetic substrate. <i>Scientific Reports</i> , 2016, 6, 21740. | 3.3 | 30 |

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|-----|--|------|-----------|
| 109 | Structural diversity in substituted-pyridinium iodo- and bromoplumbates: a matter of halide and temperature. <i>CrystEngComm</i> , 2016, 18, 8207-8219. | 2.6 | 25 |
| 110 | CO ₂ Binding and Induced Structural Collapse of a Surface-Supported Metal-Organic Network. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18622-18630. | 3.1 | 12 |
| 111 | Single-molecule devices with graphene electrodes. <i>Dalton Transactions</i> , 2016, 45, 16570-16574. | 3.3 | 47 |
| 112 | Single-Molecule Magnets: Giant Hysteresis of Single-Molecule Magnets Adsorbed on a Nonmagnetic Insulator (Adv. Mater. 26/2016). <i>Advanced Materials</i> , 2016, 28, 5142-5142. | 21.0 | 7 |
| 113 | Divergent Coordination Chemistry: Parallel Synthesis of [2 ⁻ 2] Iron(II) Grid-Complex Tauto-Conformers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10881-10885. | 13.8 | 41 |
| 114 | Coupling molecular spin centers to microwave planar resonators: towards integration of molecular qubits in quantum circuits. <i>Dalton Transactions</i> , 2016, 45, 16596-16603. | 3.3 | 29 |
| 115 | Relay-Like Exchange Mechanism through a Spin Radical between TbPc ₂ Molecules and Graphene/Ni(111) Substrates. <i>ACS Nano</i> , 2016, 10, 9353-9360. | 14.6 | 26 |
| 116 | Homoleptic Chiral Benzamidinate Complexes of Rare-Earth Elements: Synthesis, Structure, Luminescence, and Magnetism. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5512-5518. | 2.0 | 11 |
| 117 | Surface confinement of TbPc ₂ -SMMs: structural, electronic and magnetic properties. <i>Dalton Transactions</i> , 2016, 45, 18417-18433. | 3.3 | 52 |
| 118 | Controlled manipulation of the Co-Alq ₃ interface by rational design of Alq ₃ derivatives. <i>Dalton Transactions</i> , 2016, 45, 18365-18376. | 3.3 | 4 |
| 119 | Divergente Koordinationschemie: Parallele Synthese von [2 ⁻ 2]-Eisen(II)-Citterkomplextautokonformeren. <i>Angewandte Chemie</i> , 2016, 128, 11040-11044. | 2.0 | 11 |
| 120 | C ⁺ Au Covalently Bonded Molecular Junctions Using Nonprotected Alkynyl Anchoring Groups. <i>Journal of the American Chemical Society</i> , 2016, 138, 8465-8469. | 13.7 | 42 |
| 121 | Bilayer of Terbium Double-Decker Single-Molecule Magnets. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13581-13586. | 3.1 | 22 |
| 122 | Surface-Guided Formation of an Organocobalt Complex. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5754-5759. | 13.8 | 20 |
| 123 | Surface induces different crystal structures in a room temperature switchable spin crossover compound. <i>Dalton Transactions</i> , 2016, 45, 134-143. | 3.3 | 19 |
| 124 | Exchange bias of TbPc ₂ magnets on antiferromagnetic FeMn and ferromagnetic Fe films. <i>Physical Review B</i> , 2015, 92, . | 3.2 | 25 |
| 125 | Surface-Supported Robust 2D Lanthanide-Carboxylate Coordination Networks. <i>Small</i> , 2015, 11, 6358-6364. | 10.0 | 43 |
| 126 | Molecular materials towards quantum properties. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1485-1486. | 2.8 | 0 |

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|-----|--|------|-----------|
| 127 | Charge carrier mobility and electronic properties of Al(Op) ₃ : impact of excimer formation. Beilstein Journal of Nanotechnology, 2015, 6, 1107-1115. | 2.8 | 7 |
| 128 | Synthesis, characterization, monolayer assembly and 2D lanthanide coordination of a linear terphenyl-di(propiononitrile) linker on Ag(111). Beilstein Journal of Nanotechnology, 2015, 6, 327-335. | 2.8 | 6 |
| 129 | Characterization of a Surface Reaction by Means of Atomic Force Microscopy. Journal of the American Chemical Society, 2015, 137, 7424-7428. | 13.7 | 64 |
| 130 | Multi-modal sensing in spin crossover compounds. Journal of Materials Chemistry C, 2015, 3, 7836-7844. | 5.5 | 87 |
| 131 | Kondo effect in binuclear metal-organic complexes with weakly interacting spins. Physical Review B, 2015, 91, . | 3.2 | 14 |
| 132 | Photoluminescence Spectroscopy of Mass-Selected Electrosprayed Ions Embedded in Cryogenic Rare-Gas Matrixes. Analytical Chemistry, 2015, 87, 11901-11906. | 6.5 | 5 |
| 133 | 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. | 5.5 | 34 |
| 134 | Highly luminescent charge-neutral europium(iii) and terbium(iii) complexes with tridentate nitrogen ligands. Dalton Transactions, 2015, 44, 15611-15619. | 3.3 | 26 |
| 135 | Tuning the magneto-optical response of TbPc ₂ single molecule magnets by the choice of the substrate. Journal of Materials Chemistry C, 2015, 3, 8039-8049. | 5.5 | 18 |
| 136 | On-Surface Synthesis of Carbon-Based Scaffolds and Nanomaterials Using Terminal Alkynes. Accounts of Chemical Research, 2015, 48, 2140-2150. | 15.6 | 186 |
| 137 | Unusual Deprotonated Alkynyl Hydrogen Bonding in Metal-Supported Hydrocarbon Assembly. Journal of Physical Chemistry C, 2015, 119, 9669-9679. | 3.1 | 39 |
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