

Mario Ruben

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285
papers

15,742
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65
h-index

116
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303
ext. papers

17,319
ext. citations

8.8
avg, IF

6.75
L-index

#	Paper	IF	Citations
285	Grid-type metal ion architectures: functional metallosupramolecular arrays. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3644-62	16.4	1163
284	Electronic read-out of a single nuclear spin using a molecular spin transistor. <i>Nature</i> , 2012 , 488, 357-60	50.4	618
283	Supramolecular spin valves. <i>Nature Materials</i> , 2011 , 10, 502-6	27	561
282	Electrically driven nuclear spin resonance in single-molecule magnets. <i>Science</i> , 2014 , 344, 1135-8	33.3	542
281	Emerging trends in spin crossover (SCO) based functional materials and devices. <i>Coordination Chemistry Reviews</i> , 2017 , 346, 176-205	23.2	445
280	Graphene spintronic devices with molecular nanomagnets. <i>Nano Letters</i> , 2011 , 11, 2634-9	11.5	325
279	Homo-coupling of terminal alkynes on a noble metal surface. <i>Nature Communications</i> , 2012 , 3, 1286	17.4	309
278	Spin Crossover in a Supramolecular Fe ⁴ II [2D] Grid Triggered by Temperature, Pressure, and Light. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 2504-2507	16.4	294
277	Metal-organic honeycomb nanomeshes with tunable cavity size. <i>Nano Letters</i> , 2007 , 7, 3813-7	11.5	281
276	Strong spin-phonon coupling between a single-molecule magnet and a carbon nanotube nanoelectromechanical system. <i>Nature Nanotechnology</i> , 2013 , 8, 165-9	28.7	249
275	Surface-assisted assembly of 2D metal-organic networks that exhibit unusual threefold coordination symmetry. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 710-3	16.4	208
274	2D supramolecular assemblies of benzene-1,3,5-triyl-tribenzoic acid: temperature-induced phase transformations and hierarchical organization with macrocyclic molecules. <i>Journal of the American Chemical Society</i> , 2006 , 128, 15644-51	16.4	207
273	Controlled metalation of self-assembled porphyrin nanoarrays in two dimensions. <i>ChemPhysChem</i> , 2007 , 8, 250-4	3.2	187
272	Addressing metal centres in supramolecular assemblies. <i>Chemical Society Reviews</i> , 2006 , 35, 1056-67	58.5	181
271	Self-recognition and self-selection in multicomponent supramolecular coordination networks on surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 17927-30	11.5	175
270	Metallionen-Gitterarchitekturen: funktionelle supramolekulare Metallkomplexe. <i>Angewandte Chemie</i> , 2004 , 116, 3728-3747	3.6	172
269	Chiral kagomí lattice from simple ditopic molecular bricks. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11778-82	16.4	168

268	Electronic structure of surface-supported bis(phthalocyaninato) terbium(III) single molecular magnets. <i>Nano Letters</i> , 2008 , 8, 3364-8	11.5	165
267	Anchoring of rare-earth-based single-molecule magnets on single-walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15143-51	16.4	163
266	On-surface synthesis of carbon-based scaffolds and nanomaterials using terminal alkynes. <i>Accounts of Chemical Research</i> , 2015 , 48, 2140-50	24.3	161
265	Operating Quantum States in Single Magnetic Molecules: Implementation of Grover's Quantum Algorithm. <i>Physical Review Letters</i> , 2017 , 119, 187702	7.4	159
264	Electrical control over the Fe(II) spin crossover in a single molecule: Theory and experiment. <i>Physical Review B</i> , 2011 , 83,	3.3	152
263	Molecular spin qubits for quantum algorithms. <i>Chemical Society Reviews</i> , 2018 , 47, 501-513	58.5	151
262	Spin dynamics in the negatively charged terbium (III) bis-phthalocyaninato complex. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4387-96	16.4	150
261	Toward Highly Reversible Magnesium Sulfur Batteries with Efficient and Practical Mg[B(hfp)4]2 Electrolyte. <i>ACS Energy Letters</i> , 2018 , 3, 2005-2013	20.1	149
260	Synthesis of extended graphdiyne wires by vicinal surface templating. <i>Nano Letters</i> , 2014 , 14, 1891-7	11.5	149
259	Micro- and nanopatterning of spin-transition compounds into logical structures. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8596-600	16.4	148
258	Supramolecular spintronic devices: spin transitions and magnetostructural correlations in [Fe(III)L4]8+ [2x2]-grid-type complexes. <i>Chemistry - A European Journal</i> , 2003 , 9, 4422-9	4.8	143
257	Coupling single molecule magnets to ferromagnetic substrates. <i>Physical Review Letters</i> , 2011 , 107, 177205	7.4	139
256	Room-temperature spin-transition iron compounds. <i>Monatshefte Für Chemie</i> , 2009 , 140, 695-733	1.4	137
255	Carbon dioxide and metal centres: from reactions inspired by nature to reactions in compressed carbon dioxide as solvent. <i>Coordination Chemistry Reviews</i> , 1999 , 182, 67-100	23.2	136
254	Spin and orbital magnetic moment anisotropies of monodispersed bis(phthalocyaninato)terbium on a copper surface. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11900-1	16.4	131
253	High-quality 2D metal-organic coordination network providing giant cavities within mesoscale domains. <i>Journal of the American Chemical Society</i> , 2009 , 131, 3881-3	16.4	129
252	Real-space observation of spin-split molecular orbitals of adsorbed single-molecule magnets. <i>Nature Communications</i> , 2012 , 3, 953	17.4	122
251	Atomic force microscopy reveals bistable configurations of dibenzo[a,h]thianthrene and their interconversion pathway. <i>Physical Review Letters</i> , 2012 , 108, 086101	7.4	118

250	Giant Hysteresis of Single-Molecule Magnets Adsorbed on a Nonmagnetic Insulator. <i>Advanced Materials</i> , 2016 , 28, 5195-9	24	108
249	Programming supramolecular assembly and chirality in two-dimensional dicarboxylate networks on a Cu(100) surface. <i>Nano Letters</i> , 2005 , 5, 901-4	11.5	106
248	Five-vertex Archimedean surface tessellation by lanthanide-directed molecular self-assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 6678-81	11.5	104
247	Durch Temperatur, Druck oder Licht induzierter Spinübergang in einer supramolekularen Fe-[2D]-Gitterverbindung. <i>Angewandte Chemie</i> , 2000 , 112, 2563-2566	3.6	103
246	Single-molecule magnetism in a pentacoordinate cobalt(II) complex supported by an antenna ligand. <i>Inorganic Chemistry</i> , 2014 , 53, 8200-2	5.1	102
245	Random two-dimensional string networks based on divergent coordination assembly. <i>Nature Chemistry</i> , 2010 , 2, 131-7	17.6	101
244	Synthesis of ionisable [2 x 2] grid-type metallo-arrays and reversible protonic modulation of the optical properties of the [Co(II)L ₄] ⁸⁺ species. <i>Chemical Communications</i> , 2003 , 1338-9	5.8	101
243	One-Dimensional Self-Assembled Molecular Chains on Cu(100): Interplay between Surface-Assisted Coordination Chemistry and Substrate Commensurability. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 10982-10987	3.8	97
242	Surface-confined supramolecular coordination chemistry. <i>Topics in Current Chemistry</i> , 2009 , 287, 1-44		95
241	Hierarchical self-assembly of supramolecular spintronic modules into 1D- and 2D-architectures with emergence of magnetic properties. <i>Chemistry - A European Journal</i> , 2004 , 11, 94-100	4.8	94
240	Switching of a coupled spin pair in a single-molecule junction. <i>Nature Nanotechnology</i> , 2013 , 8, 575-9	28.7	89
239	Thin deposits and patterning of room-temperature-switchable one-dimensional spin-crossover compounds. <i>Langmuir</i> , 2011 , 27, 4076-81	4	89
238	Molecular quantum spintronics: supramolecular spin valves based on single-molecule magnets and carbon nanotubes. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 6656-67	6.3	84
237	Above room temperature spin transition in a metallo-supramolecular coordination oligomer/polymer. <i>Chemical Communications</i> , 2007 , 2636-8	5.8	80
236	Surface-enhanced Raman signal for terbium single-molecule magnets grafted on graphene. <i>ACS Nano</i> , 2010 , 4, 7531-7	16.7	79
235	Functional supramolecular devices: [M ^{III} L ₄] ⁸⁺ [2 x 2]-grid-type complexes as multilevel molecular electronic species. <i>Chemistry - A European Journal</i> , 2003 , 9, 291-9	4.8	79
234	Magnetic interaction between a radical spin and a single-molecule magnet in a molecular spin-valve. <i>ACS Nano</i> , 2015 , 9, 4458-64	16.7	78
233	Rotational and constitutional dynamics of caged supramolecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 21332-6	11.5	76

232	Multi-modal sensing in spin crossover compounds. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7836-7844	7.1	75
231	Multilevel Molecular Electronic Species: Electrochemical Reduction of a [2D] Co Grid-Type Complex by 11 Electrons in 10 Reversible Steps. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 4139-4142	16.4	75
230	Highly adaptable two-dimensional metal-organic coordination networks on metal surfaces. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6072-5	16.4	71
229	Dichotomous array of chiral quantum corrals by a self-assembled nanoporous kagom network. <i>Nano Letters</i> , 2009 , 9, 3509-14	11.5	69
228	Spin transition in a chainlike supramolecular iron(II) complex. <i>Inorganic Chemistry</i> , 2006 , 45, 10019-21	5.1	68
227	Spin transition in arrays of gold nanoparticles and spin crossover molecules. <i>ACS Nano</i> , 2015 , 9, 4496-507	16.7	67
226	Expanding the coordination cage: a ruthenium(II)-polypyridine complex exhibiting high quantum yields under ambient conditions. <i>Inorganic Chemistry</i> , 2009 , 48, 5677-84	5.1	67
225	Single-molecule transport in three-terminal devices. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 374128	12.8	66
224	Surface-Assisted Assembly of 2D Metal-Organic Networks That Exhibit Unusual Threefold Coordination Symmetry. <i>Angewandte Chemie</i> , 2007 , 119, 724-727	3.6	66
223	Addressing the metal centers of [2x2] CoII4 grid-type complexes by STM/STS. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7896-900	16.4	66
222	Visions for a molecular future. <i>Nature Nanotechnology</i> , 2013 , 8, 385-9	28.7	65
221	Ordering and stabilization of metal-organic coordination chains by hierarchical assembly through hydrogen bonding at a surface. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8835-8	16.4	65
220	A bibenzimidazole-containing ruthenium(II) complex acting as a cation-driven molecular switch. <i>Inorganic Chemistry</i> , 2000 , 39, 1621-4	5.1	65
219	Sublimable Spin-Crossover Complexes: From Spin-State Switching to Molecular Devices. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7502-7521	16.4	65
218	Exchange biasing single molecule magnets: coupling of TbPc2 to antiferromagnetic layers. <i>Nano Letters</i> , 2012 , 12, 5703-7	11.5	64
217	Reversible chiral switching of bis(phthalocyaninato) terbium(III) on a metal surface. <i>Nano Letters</i> , 2012 , 12, 3931-5	11.5	63
216	Tuning the spin-transition properties of pyrene-decorated 2,6-bispyrazolylpyridine based Fe(II) complexes. <i>Dalton Transactions</i> , 2011 , 40, 7564-70	4.3	63
215	Self-Assembly of Nanoporous Chiral Networks with Varying Symmetry from Sexiphenyl-dicarbonitrile on Ag(111). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 17851-17859	3.8	63

214	Tunable quantum dot arrays formed from self-assembled metal-organic networks. <i>Physical Review Letters</i> , 2011 , 106, 026802	7.4	62
213	Charge transport through a cardan-joint molecule. <i>Small</i> , 2008 , 4, 2229-35	11	60
212	Characterization of a surface reaction by means of atomic force microscopy. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7424-8	16.4	59
211	A surface coordination network based on copper adatom trimers. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12955-9	16.4	58
210	Surface-assisted coordination chemistry and self-assembly. <i>Dalton Transactions</i> , 2006 , 2794-800	4.3	58
209	A Porphyrin Complex as a Self-Conditioned Electrode Material for High-Performance Energy Storage. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10341-10346	16.4	57
208	Assembling isostructural metal-organic coordination architectures on Cu(100), Ag(100) and Ag(111) substrates. <i>ChemPhysChem</i> , 2008 , 9, 2495-9	3.2	55
207	Surface-Confined Self-Assembly of Di-carbonitrile Polyphenyls. <i>Advanced Functional Materials</i> , 2011 , 21, 1230-1240	15.6	54
206	Squaring the interface: "surface-assisted" coordination chemistry. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1594-6	16.4	52
205	Bis(R-bipyridyl)ruthenium bibenzimidazole complexes (R = H, Me or But): supramolecular arrangement via hydrogen bonds, photo- and electro-chemical properties and reactivity towards carbon dioxide. <i>Dalton Transactions RSC</i> , 2000 , 3649-3657		51
204	Electrical readout of individual nuclear spin trajectories in a single-molecule magnet spin transistor. <i>Physical Review Letters</i> , 2013 , 111, 037203	7.4	50
203	Carbon nanotube nanoelectromechanical systems as magnetometers for single-molecule magnets. <i>ACS Nano</i> , 2013 , 7, 6225-36	16.7	49
202	Room temperature switching of a neutral molecular iron(II) complex. <i>Chemical Communications</i> , 2013 , 49, 10986-8	5.8	48
201	Complex supramolecular interfacial tessellation through convergent multi-step reaction of a dissymmetric simple organic precursor. <i>Nature Chemistry</i> , 2018 , 10, 296-304	17.6	47
200	STM spectroscopy of magnetic molecules. <i>Coordination Chemistry Reviews</i> , 2009 , 253, 2387-2398	23.2	47
199	Conductance switching and vibrational fine structure of a [2 x 2] Co(II)(4) gridlike single molecule measured in a three-terminal device. <i>Small</i> , 2010 , 6, 174-8	11	46
198	Lattice-solvent controlled spin transitions in iron(II) complexes. <i>Dalton Transactions</i> , 2007 , 3531-7	4.3	46
197	Self-Assembly, Structure and Solution Dynamics of Tetranuclear Zn ²⁺ Hydrazone [2D] Grid-Type Complexes. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 784-792	2.3	45

196	New Organic Electrode Materials for Ultrafast Electrochemical Energy Storage. <i>Advanced Materials</i> , 2019 , 31, e1806599	24	44
195	Nuclear Spin Isomers: Engineering a Et N[DyPc] Spin Qudit. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9915-9919	16.4	43
194	Using metal-organic templates to steer the growth of Fe and Co nanoclusters. <i>Applied Physics Letters</i> , 2008 , 93, 243102	3.4	43
193	Surface-Confined MetalOrganic Nanostructures from Co-Directed Assembly of Linear Terphenyl-dicarbonitrile Linkers on Ag(111). <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15602-15606	3.8	42
192	Charge-switchable molecular magnet and spin blockade of tunneling. <i>Physical Review B</i> , 2007 , 75,	3.3	42
191	Surface confinement of TbPc-SMMs: structural, electronic and magnetic properties. <i>Dalton Transactions</i> , 2016 , 45, 18417-18433	4.3	41
190	Coupling of single, double, and triple-decker metal-phthalocyanine complexes to ferromagnetic and antiferromagnetic substrates. <i>Surface Science</i> , 2014 , 630, 361-374	1.8	41
189	Supramolecular lattice-solvent control of iron(II) spin transition parameters. <i>CrystEngComm</i> , 2010 , 12, 2361	3.3	41
188	Conformational adaptation in supramolecular assembly on surfaces. <i>ChemPhysChem</i> , 2007 , 8, 1782-6	3.2	41
187	Fixation of Carbon Dioxide by Oxalic Amidinato Magnesium Complexes: Structures and Reactions of Trimetallic Magnesium Carbamate and Related Complexes. <i>European Journal of Inorganic Chemistry</i> , 2000 , 2000, 1055-1064	2.3	41
186	Exchange-bias quantum tunnelling in a CO-based Dy-single molecule magnet. <i>Chemical Science</i> , 2017 , 8, 1178-1185	9.4	40
185	Molecular orbital gates for plasmon excitation. <i>Nano Letters</i> , 2013 , 13, 2846-50	11.5	40
184	A luminescent PtFe spin crossover complex. <i>Dalton Transactions</i> , 2017 , 46, 2289-2302	4.3	39
183	Synthesis, structures and magnetic properties of [(CH)Ln(CH)] super sandwich complexes. <i>Nature Communications</i> , 2019 , 10, 3135	17.4	39
182	Hysteretic behaviour in a vacuum deposited submonolayer of single ion magnets. <i>Dalton Transactions</i> , 2014 , 43, 10686-9	4.3	39
181	Landau-Zener tunneling of a single Tb ³⁺ magnetic moment allowing the electronic read-out of a nuclear spin. <i>Physical Review B</i> , 2013 , 87,	3.3	39
180	Selective coordination bonding in metallo-supramolecular systems on surfaces. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4327-31	16.4	39
179	Template-directed supramolecular self-assembly of coordination dumbbells at surfaces. <i>Chemical Communications</i> , 2007 , 4860-2	5.8	39

178	Single-molecule devices with graphene electrodes. <i>Dalton Transactions</i> , 2016 , 45, 16570-16574	4.3	38
177	Steering On-Surface Self-Assembly of High-Quality Hydrocarbon Networks with Terminal Alkynes. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 3987-3995	3.8	38
176	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	24	37
175	Divergent Coordination Chemistry: Parallel Synthesis of [2D] Iron(II) Grid-Complex Tauto-Conformers. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10881-5	16.4	37
174	Adsorption and dehydrogenation of tetrahydroxybenzene on Cu(111). <i>Chemical Communications</i> , 2013 , 49, 9308-10	5.8	37
173	The interplay of iron(II) spin transition and polymorphism. <i>Dalton Transactions</i> , 2012 , 41, 5163-71	4.3	36
172	Quantum Einstein-de Haas effect. <i>Nature Communications</i> , 2016 , 7, 11443	17.4	36
171	Surface-Supported Robust 2D Lanthanide-Carboxylate Coordination Networks. <i>Small</i> , 2015 , 11, 6358-6411	11	34
170	Antiferromagnetic coupling of TbPc2 molecules to ultrathin Ni and Co films. <i>Beilstein Journal of Nanotechnology</i> , 2013 , 4, 320-4	3	34
169	Giant Magnetoresistance in Carbon Nanotubes with Single-Molecule Magnets TbPc. <i>ACS Nano</i> , 2017 , 11, 6868-6880	16.7	33
168	Electrical Read-Out of a Single Spin Using an Exchange-Coupled Quantum Dot. <i>ACS Nano</i> , 2017 , 11, 3984-3989	16.7	32
167	Unusual Deprotonated Alkynyl Hydrogen Bonding in Metal-Supported Hydrocarbon Assembly. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 9669-9679	3.8	32
166	Spin-state dependent conductance switching in single molecule-graphene junctions. <i>Nanoscale</i> , 2018 , 10, 7905-7911	7.7	32
165	Zero-field splitting in pentacoordinate Co(II) complexes. <i>Polyhedron</i> , 2013 , 65, 122-128	2.7	32
164	1D and 2D Graphdiynes: Recent Advances on the Synthesis at Interfaces and Potential Nanotechnological Applications. <i>Annalen Der Physik</i> , 2017 , 529, 1700056	2.6	32
163	Uniform System Alignment in Thin Films of Template-Grown Dicarbonitrile-Oligophenyls. <i>Advanced Functional Materials</i> , 2011 , 21, 1631-1642	15.6	32
162	Does the surface matter? Hydrogen-bonded chain formation of an oxalic amide derivative in a two- and three-dimensional environment. <i>ChemPhysChem</i> , 2008 , 9, 2522-30	3.2	32
161	Copper Porphyrin as a Stable Cathode for High-Performance Rechargeable Potassium Organic Batteries. <i>ChemSusChem</i> , 2020 , 13, 2286-2294	8.3	31

160	Functionalized Graphdiyne Nanowires: On-Surface Synthesis and Assessment of Band Structure, Flexibility, and Information Storage Potential. <i>Small</i> , 2018 , 14, e1704321	11	31
159	Spin-crossover in iron(II)-Schiff base complexes. <i>Dalton Transactions</i> , 2019 , 48, 15321-15337	4.3	31
158	Controlling the Spin Texture of Topological Insulators by Rational Design of Organic Molecules. <i>Nano Letters</i> , 2015 , 15, 6022-9	11.5	30
157	Spin and charge dynamics in [TbPc ₂]0 and [DyPc ₂]0 single-molecule magnets. <i>Physical Review B</i> , 2010 , 82,	3.3	30
156	An Iron(II) Spin-Transition Compound with Thiol Anchoring Groups. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 2649-2653	2.3	30
155	Quantum tunnelling of the magnetisation in single-molecule magnet isotopologue dimers. <i>Chemical Science</i> , 2019 , 10, 5138-5145	9.4	29
154	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. <i>CrystEngComm</i> , 2012 , 14, 7015	3.3	28
153	Above room temperature spin transition in a series of iron(II) bis(pyrazolyl)pyridine compounds. <i>Comptes Rendus Chimie</i> , 2008 , 11, 1166-1174	2.7	28
152	Supramolecular Co(II)-[2 x 2] grids: metamagnetic behavior in a single molecule. <i>Inorganic Chemistry</i> , 2006 , 45, 6535-40	5.1	28
151	Synthetic Hilbert Space Engineering of Molecular Qudits: Isotopologue Chemistry. <i>Advanced Materials</i> , 2019 , 31, e1806687	24	28
150	C-Au Covalently Bonded Molecular Junctions Using Nonprotected Alkynyl Anchoring Groups. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8465-9	16.4	27
149	2 D Self-Assembly and Catalytic Homo-coupling of the Terminal Alkyne 1,4-Bis(3,5-diethynyl-phenyl)butadiyne-1,3 on Ag(111). <i>ChemCatChem</i> , 2013 , 5, 3281-3288	5.2	27
148	Supramolecular organization and chiral resolution of p-terphenyl-m-dicarbonitrile on the Ag(111) surface. <i>ChemPhysChem</i> , 2010 , 11, 1446-51	3.2	27
147	Spin-crossover and massive anisotropy switching of 5d transition metal atoms on graphene nanoflakes. <i>Nano Letters</i> , 2014 , 14, 3364-8	11.5	26
146	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. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9794-9801	7.1	25
145	Highly luminescent charge-neutral europium(III) and terbium(III) complexes with tridentate nitrogen ligands. <i>Dalton Transactions</i> , 2015 , 44, 15611-9	4.3	25
144	Micro- and Nanopatterning of Spin-Transition Compounds into Logical Structures. <i>Angewandte Chemie</i> , 2008 , 120, 8724-8728	3.6	25
143	Monitoring the Electrochemical Energy Storage Processes of an Organic Full Rechargeable Battery via Operando Raman Spectroscopy: A Mechanistic Study. <i>Chemistry of Materials</i> , 2019 , 31, 3239-3247	9.6	24

- 142 A charge neutral iron(II) complex with an above room temperature spin crossover (SCO) and hysteresis loop. *Journal of Materials Chemistry C*, **2015**, 3, 11635-11644 7.1 24
- 141 Convergent and divergent two-dimensional coordination networks formed through substrate-activated or quenched alkynyl ligation. *Chemical Communications*, **2014**, 50, 9973-6 5.8 24
- 140 Mixed-valence heptanuclear iron complexes with ferromagnetic interaction. *Inorganic Chemistry*, **2012**, 51, 12755-67 5.1 24
- 139 Spin dynamics in the neutral rare-earth single-molecule magnets [TbPc2]0 and [DyPc2]0 from ESR and NMR spectroscopies. *Physical Review B*, **2009**, 79, 3.3 24
- 138 Molekulare Spezies mit mehreren Ladungszuständen: elektrochemische Reduktion eines Co-[2D]-Gitterkomplexes durch 11 Elektronen in 10 reversiblen Stufen. *Angewandte Chemie*, **2000**, 112, 4312-4315 3.6 24
- 137 Rational In Silico Design of an Organic Semiconductor with Improved Electron Mobility. *Advanced Materials*, **2017**, 29, 1703505 24 23
- 136 Understanding the Superior Stability of Single-Molecule Magnets on an Oxide Film. *Advanced Science*, **2019**, 6, 1901736 13.6 23
- 135 Spin-communication channels between Ln(III) bis-phthalocyanines molecular nanomagnets and a magnetic substrate. *Scientific Reports*, **2016**, 6, 21740 4.9 23
- 134 Competing Interactions in Surface Reticulation with a Prochiral Dicarbonitrile Linker. *Journal of Physical Chemistry C*, **2013**, 117, 12858-12863 3.8 22
- 133 A Porphyrin Complex as a Self-Conditioned Electrode Material for High-Performance Energy Storage. *Angewandte Chemie*, **2017**, 129, 10477-10482 3.6 21
- 132 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 2.3 21
- 131 Submolekulare Adressierung der Metallzentren in einem [2D]-CoII4-Gitterkomplex mittels STM/STS-Techniken. *Angewandte Chemie*, **2005**, 117, 8109-8113 3.6 21
- 130 Bi-stable spin-crossover characteristics of a highly distorted [Fe(1-BPP-COOCH)](ClO)4CHCN complex. *Dalton Transactions*, **2019**, 48, 3825-3830 4.3 21
- 129 Five mononuclear pentacoordinate Co(II) complexes with field-induced slow magnetic relaxation. *Polyhedron*, **2017**, 126, 174-183 2.7 20
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