

# Mario Ruben

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

285  
papers

15,742  
citations

65  
h-index

116  
g-index

303  
ext. papers

17,319  
ext. citations

8.8  
avg, IF

6.75  
L-index

#	Paper	IF	Citations
285	Visualization of structural changes and degradation of porphyrin-based battery electrodes. <i>Journal of Power Sources</i> , <b>2022</b> , 522, 231002	8.9	1
284	Introduction of plumbale to f-element chemistry.. <i>Chemical Science</i> , <b>2022</b> , 13, 945-954	9.4	4
283	Ultra-narrow optical linewidths in rare-earth molecular crystals.. <i>Nature</i> , <b>2022</b> , 603, 241-246	50.4	10
282	Spin-Crossover in Supramolecular Iron(II)-2,6-bis(1-Pyrazol-1-yl)pyridine Complexes: Toward Spin-State Switchable Single-Molecule Junctions.. <i>ACS Omega</i> , <b>2022</b> , 7, 13654-13666	3.9	0
281	A Tetranuclear Dysprosium Schiff Base Complex Showing Slow Relaxation of Magnetization. <i>Inorganics</i> , <b>2022</b> , 10, 66	2.9	1
280	Structural Insights into Hysteretic Spin-Crossover in a Set of Iron(II)-2,6-bis(1H-pyrazol-1-yl)pyridine Complexes.. <i>Chemistry - A European Journal</i> , <b>2021</b> ,	4.8	2
279	Room-temperature spin nutations in a magnetically condensed phase of [Y(pc)] <sup>+</sup> <i>Chemical Communications</i> , <b>2021</b> , 57, 11505-11508	5.8	1
278	A Self-Conditioned Metalloporphyrin as a Highly Stable Cathode for Fast Rechargeable Magnesium Batteries. <i>ChemSusChem</i> , <b>2021</b> , 14, 1840-1846	8.3	8
277	Ditopic Hexadentate Ligands with a Central Dihydrobenzo-diimidazole Unit Forming a [2x2] Zn <sub>4</sub> Grid Complex. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 2301-2310	3.2	2
276	Optical spin-state polarization in a binuclear europium complex towards molecule-based coherent light-spin interfaces. <i>Nature Communications</i> , <b>2021</b> , 12, 2152	17.4	6
275	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> , <b>2021</b> , 125, 13925-13932	3.8	2
274	Sublimierbare Spin-Crossover-Komplexe: Vom Schalten des Spinzustands zu molekularen Bauelementen. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7578-7598	3.6	8
273	Sublimable Spin-Crossover Complexes: From Spin-State Switching to Molecular Devices. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 7502-7521	16.4	65
272	Molecular Devices <b>2021</b> , 206-240		1
271	Heteroleptic, polynuclear dysprosium(iii)-carbamato complexes through in situ carbon dioxide capture. <i>Dalton Transactions</i> , <b>2021</b> , 50, 4735-4742	4.3	0
270	Increasing the Hilbert space dimension using a single coupled molecular spin. <i>Nature Communications</i> , <b>2021</b> , 12, 4443	17.4	1
269	Chiral Resolution of Spin-Crossover Active Iron(II) [2x2] Grid Complexes. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 15171-15179	4.8	2

268	Size-Controlled Hapticity Switching in [Ln(C H)(C H)] Sandwiches. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13558-13567	4.8	1
267	Indirect Spin-Readout of Rare-Earth-Based Single-Molecule Magnet with Scanning Tunneling Microscopy. <i>Physical Review Letters</i> , <b>2021</b> , 127, 123201	7.4	1
266	Ni-Containing 54-Tungsto-6-Silicate: Synthesis, Structure, Magnetic and Electrochemical Studies. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 15080-15084	4.8	2
265	Rotation in an Enantiospecific Self-Assembled Array of Molecular Raffle Wheels. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	2
264	Terminal Ligand and Packing Effects on Slow Relaxation in an Isostructural Set of [Dy(H dapp)X ] Single Molecule Magnets*. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 15085-15094	4.8	0
263	Iron in a Cage: Fixation of a Fe(II)tpy Complex by Fourfold Interlinking. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 15947-15952	16.4	5
262	Iron in a Cage: Fixation of a Fe(II)tpy <sub>2</sub> Complex by Fourfold Interlinking. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16081-16086	3.6	0
261	Conductive Metal-Organic Framework Thin Film Hybrids by Electropolymerization of Monosubstituted Acetylenes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 30972-30979	9.5	8
260	Spin-crossover in iron(II)-phenylene ethynylene-2,6-di(pyrazol-1-yl) pyridine hybrids: toward switchable molecular wire-like architectures. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 204002	1.8	2
259	Copper Porphyrin as a Stable Cathode for High-Performance Rechargeable Potassium Organic Batteries. <i>ChemSusChem</i> , <b>2020</b> , 13, 2286-2294	8.3	31
258	Heteronuclear Iron(III)-Schiff Base Complexes with the Hexacyanidocobaltate(III) Anion: On the Quest To Understand the Governing Factors of Spin Crossover. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 2747-2757 <sup>5.1</sup>	5.1	8
257	Stereochemistry of coordination polyhedra vs. single ion magnetism in penta- and hexacoordinated Co(ii) complexes with tridentate rigid ligands. <i>Dalton Transactions</i> , <b>2020</b> , 49, 1249-1264	4.3	14
256	Bi-stable spin-crossover in charge-neutral [Fe(R-ptp)] (ptp = 2-(1H-pyrazol-1-yl)-6-(1H-tetrazol-5-yl)pyridine) complexes. <i>Dalton Transactions</i> , <b>2020</b> , 49, 1022-1031	4.3	7
255	Light-induced spin transition in the spin-crossover complex FePt <sub>2</sub> detected by optical pump-coherent resonant nuclear elastic scattering. <i>Hyperfine Interactions</i> , <b>2020</b> , 241, 1	0.8	1
254	Pressure-Modulated Broadband Emission in 2D Layered Hybrid Perovskite-Like Bromoplumbate. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 12431-12436	5.1	6
253	Bistable spin-crossover in a new series of [Fe(BPP-R)] (BPP = 2,6-bis(pyrazol-1-yl)pyridine; R = CN) complexes. <i>Dalton Transactions</i> , <b>2020</b> , 49, 14258-14267	4.3	4
252	On-Surface Activation of Trimethylsilyl-Terminated Alkynes on Coinage Metal Surfaces. <i>ChemPhysChem</i> , <b>2019</b> , 20, 2382-2393	3.2	5
251	Direct Conversion of CO to Multi-Layer Graphene using Cu-Pd Alloys. <i>ChemSusChem</i> , <b>2019</b> , 12, 3509-3514 <sup>4.3</sup>	4.3	13

250	Surface-Dependent Chemoselectivity in C-C Coupling Reactions. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8444	3.6	
249	Quantum Tunneling Mediated Interfacial Synthesis of a Benzofuran Derivative. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11285-11290	16.4	0
248	Surface-Dependent Chemoselectivity in C-C Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8356-8361	16.4	3
247	Microwave-assisted reversal of a single electron spin. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 142801	2.5	3
246	Quantum tunnelling of the magnetisation in single-molecule magnet isotopologue dimers. <i>Chemical Science</i> , <b>2019</b> , 10, 5138-5145	9.4	29
245	Synthesizing Highly Regular Single-Layer Alkynyl-Silver Networks at the Micrometer Scale via Gas-Mediated Surface Reaction. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 5087-5091	16.4	20
244	Polynuclear Iron(II) Complexes with 2,6-Bis(pyrazol-1-yl)pyridine-anthracene Ligands Exhibiting Highly Distorted High-Spin Centers. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 4310-4319	5.1	11
243	Monitoring the Electrochemical Energy Storage Processes of an Organic Full Rechargeable Battery via Operando Raman Spectroscopy: A Mechanistic Study. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 3239-3247	9.6	24
242	Spin-crossover in iron(ii)-Schiff base complexes. <i>Dalton Transactions</i> , <b>2019</b> , 48, 15321-15337	4.3	31
241	Quantum Tunneling Mediated Interfacial Synthesis of a Benzofuran Derivative. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11407	3.6	
240	Synthesis, structures and magnetic properties of $[(\text{fCH})\text{Ln}(\text{fCH})]$ super sandwich complexes. <i>Nature Communications</i> , <b>2019</b> , 10, 3135	17.4	39
239	A Lithium-Free Energy-Storage Device Based on an Alkyne-Substituted-Porphyrin Complex. <i>ChemSusChem</i> , <b>2019</b> , 12, 3737-3741	8.3	15
238	Understanding the Superior Stability of Single-Molecule Magnets on an Oxide Film. <i>Advanced Science</i> , <b>2019</b> , 6, 1901736	13.6	23
237	Synthetic Hilbert Space Engineering of Molecular Qudits: Isotopologue Chemistry. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806687	24	28
236	New Organic Electrode Materials for Ultrafast Electrochemical Energy Storage. <i>Advanced Materials</i> , <b>2019</b> , 31, e1806599	24	44
235	Bi-stable spin-crossover characteristics of a highly distorted $[\text{Fe}(\text{1-BPP-COOCH})](\text{ClO})\text{fCHCN}$ complex. <i>Dalton Transactions</i> , <b>2019</b> , 48, 3825-3830	4.3	21
234	Screening the 4f-electron spin of TbPc single-molecule magnets on metal substrates by ligand channeling. <i>Nanoscale</i> , <b>2019</b> , 11, 21167-21179	7.7	8
233	Opposite Surface and Bulk Solvatochromic Effects in a Molecular Spin-Crossover Compound Revealed by Ambient Pressure X-ray Absorption Spectroscopy. <i>Langmuir</i> , <b>2018</b> , 34, 3604-3609	4	7

232	Spin-state dependent conductance switching in single molecule-graphene junctions. <i>Nanoscale</i> , <b>2018</b> , 10, 7905-7911	7.7	32
231	Functionalized Graphdiyne Nanowires: On-Surface Synthesis and Assessment of Band Structure, Flexibility, and Information Storage Potential. <i>Small</i> , <b>2018</b> , 14, e1704321	11	31
230	Engineering On-Surface Spin Crossover: Spin-State Switching in a Self-Assembled Film of Vacuum-Sublimable Functional Molecule. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705416	24	37
229	Complex supramolecular interfacial tessellation through convergent multi-step reaction of a dissymmetric simple organic precursor. <i>Nature Chemistry</i> , <b>2018</b> , 10, 296-304	17.6	47
228	Observation of Cooperative Electronic Quantum Tunneling: Increasing Accessible Nuclear States in a Molecular Qudit. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 9873-9879	5.1	19
227	Toward Highly Reversible MagnesiumSulfur Batteries with Efficient and Practical Mg[B(hfp)4]2Electrolyte. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2005-2013	20.1	149
226	Magnetic properties of transition metal dimers probed by inelastic neutron scattering. <i>Dalton Transactions</i> , <b>2018</b> , 47, 11953-11959	4.3	4
225	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> , <b>2018</b> , 20, 15960-15969	3.6	5
224	The self-assembly and metal adatom coordination of a linear bis-tetrazole ligand on Ag(111). <i>Chemical Communications</i> , <b>2018</b> , 54, 10072-10075	5.8	5
223	On-surface structural and electronic properties of spontaneously formed TbPc single molecule magnets. <i>Nanoscale</i> , <b>2018</b> , 10, 15553-15563	7.7	9
222	Radical-lanthanide ferromagnetic interaction in a TbIII bis-phthalocyaninato complex. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	18
221	Molecular spin qubits for quantum algorithms. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 501-513	58.5	151
220	A spin crossover (SCO) active graphene-iron(ii) complex hybrid material. <i>Dalton Transactions</i> , <b>2018</b> , 47, 35-40	4.3	19
219	Generalized Ramsey interferometry explored with a single nuclear spin qudit. <i>Npj Quantum Information</i> , <b>2018</b> , 4,	8.6	11
218	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> , <b>2018</b> , 2018, 5091-5097	2.3	10
217	Enantiopure Benzamidinate/Cyclooctatetraene Complexes of the Rare-Earth Elements: Synthesis, Structure, and Magnetism. <i>Organometallics</i> , <b>2018</b> , 37, 3708-3717	3.8	10
216	Ho-Mediated Alkyne Reactions at Low Temperatures on Ag(111). <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 16126-16135	4.8	8
215	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 &amp; Interfaces</i> , <b>2018</b> , 10, 31580-31585	9.5	18

214	Epitaxy-Induced Assembly and Enantiomeric Switching of an On-Surface Formed Dinuclear Organocobalt Complex. <i>ACS Nano</i> , <b>2017</b> , 11, 1347-1359	16.7	7
213	A luminescent PtFe spin crossover complex. <i>Dalton Transactions</i> , <b>2017</b> , 46, 2289-2302	4.3	39
212	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> , <b>2017</b> , 19, 6105-6112	3.6	6
211	Five mononuclear pentacoordinate Co(II) complexes with field-induced slow magnetic relaxation. <i>Polyhedron</i> , <b>2017</b> , 126, 174-183	2.7	20
210	Electrical Read-Out of a Single Spin Using an Exchange-Coupled Quantum Dot. <i>ACS Nano</i> , <b>2017</b> , 11, 3984-3989	16.7	32
209	One-Dimensionally Disordered Chiral Sorting by Racemic Tiling in a Surface-Confined Supramolecular Assembly of Achiral Tectons. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7797-7802	16.4	19
208	Photoisomerization of Bis(tridentate) 2,6-Bis(1H-pyrazol-1-yl)pyridine Ligands Exhibiting a Multi-anthracene Skeleton. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 10100-10109	4.8	5
207	A Porphyrin Complex as a Self-Conditioned Electrode Material for High-Performance Energy Storage. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10477-10482	3.6	21
206	A Porphyrin Complex as a Self-Conditioned Electrode Material for High-Performance Energy Storage. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10341-10346	16.4	57
205	Giant Magnetoresistance in Carbon Nanotubes with Single-Molecule Magnets TbPc. <i>ACS Nano</i> , <b>2017</b> , 11, 6868-6880	16.7	33
204	One-Dimensionally Disordered Chiral Sorting by Racemic Tiling in a Surface-Confined Supramolecular Assembly of Achiral Tectons. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 7905-7910	3.6	6
203	Emerging trends in spin crossover (SCO) based functional materials and devices. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 346, 176-205	23.2	445
202	Role of Radicals in the Spin Connectivity of Clusters and Networks of Tb Double-Decker Single Molecule Magnets. <i>ACS Nano</i> , <b>2017</b> , 11, 10750-10760	16.7	14
201	Operating Quantum States in Single Magnetic Molecules: Implementation of Grover's Quantum Algorithm. <i>Physical Review Letters</i> , <b>2017</b> , 119, 187702	7.4	159
200	Rational In Silico Design of an Organic Semiconductor with Improved Electron Mobility. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703505	24	23
199	Characterization of the light induced excited spin state of a heterometallic FePt <sub>2</sub> complex by high-field Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , <b>2017</b> , 238, 1	0.8	8
198	Terminal Alkyne Coupling on a Corrugated Noble Metal Surface: From Controlled Precursor Alignment to Selective Reactions. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 15588-15593	4.8	18
197	Nuclear Spin Isomers: Engineering a Et N[DyPc] Spin Qudit. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9915-9919	16.4	43

196	Influence of the charge of the complex unit on the SCO properties in pyrazolyl-pyridinyl-benzimidazole based Fe(II) complexes. <i>Polyhedron</i> , <b>2017</b> , 135, 189-194	2.7	2
195	1D and 2D Graphdiynes: Recent Advances on the Synthesis at Interfaces and Potential Nanotechnological Applications. <i>Annalen Der Physik</i> , <b>2017</b> , 529, 1700056	2.6	32
194	Nuclear Spin Isomers: Engineering a Et <sub>4</sub> N[DyPc <sub>2</sub> ] Spin Qudit. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10047-10056	5.6	12
193	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> , <b>2017</b> , 46, 9765-9768	4.3	11
192	Landau-Zener Transition in a Continuously Measured Single-Molecule Spin Transistor. <i>Physical Review Letters</i> , <b>2017</b> , 118, 257701	7.4	12
191	Low spin Fe(II) complexes formed of monosubstitued 2,6-bis(2-benzimidazolyl)pyridine ligands. <i>Polyhedron</i> , <b>2017</b> , 123, 122-131	2.7	7
190	Exchange-bias quantum tunnelling in a CO-based Dy-single molecule magnet. <i>Chemical Science</i> , <b>2017</b> , 8, 1178-1185	9.4	40
189	Addressing a Single Molecular Spin with Graphene-Based Nanoarchitectures. <i>Advances in Atom and Single Molecule Machines</i> , <b>2017</b> , 165-184	0	
188	Probing magnetic coupling between LnPc (Ln = Tb, Er) molecules and the graphene/Ni (111) substrate with and without Au-intercalation: role of the dipolar field. <i>Nanoscale</i> , <b>2017</b> , 10, 277-283	7.7	16
187	Single-molecule devices with graphene electrodes. <i>Dalton Transactions</i> , <b>2016</b> , 45, 16570-16574	4.3	38
186	Single-Molecule Magnets: Giant Hysteresis of Single-Molecule Magnets Adsorbed on a Nonmagnetic Insulator (Adv. Mater. 26/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 5142	24	6
185	Divergent Coordination Chemistry: Parallel Synthesis of [2D] Iron(II) Grid-Complex Tauto-Conformers. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10881-5	16.4	37
184	Coupling molecular spin centers to microwave planar resonators: towards integration of molecular qubits in quantum circuits. <i>Dalton Transactions</i> , <b>2016</b> , 45, 16596-16603	4.3	20
183	Relay-Like Exchange Mechanism through a Spin Radical between TbPc Molecules and Graphene/Ni(111) Substrates. <i>ACS Nano</i> , <b>2016</b> , 10, 9353-9360	16.7	15
182	Homoleptic Chiral Benzamidinate Complexes of Rare-Earth Elements: Synthesis, Structure, Luminescence, and Magnetism. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 5512-5518	2.3	6
181	Surface confinement of TbPc-SMMs: structural, electronic and magnetic properties. <i>Dalton Transactions</i> , <b>2016</b> , 45, 18417-18433	4.3	41
180	Controlled manipulation of the Co-Alq interface by rational design of Alq derivatives. <i>Dalton Transactions</i> , <b>2016</b> , 45, 18365-18376	4.3	3
179	Divergente Koordinationschemie: Parallele Synthese von [2D]-Eisen(II)-Gitterkomplextautokonformeren. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 11040-11044	3.6	9

178	C-Au Covalently Bonded Molecular Junctions Using Nonprotected Alkynyl Anchoring Groups. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8465-9	16.4	27
177	Bilayer of Terbium Double-Decker Single-Molecule Magnets. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 13581-13586	3.8	17
176	Surface-Guided Formation of an Organocobalt Complex. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5754-9	16.4	18
175	Surface induces different crystal structures in a room temperature switchable spin crossover compound. <i>Dalton Transactions</i> , <b>2016</b> , 45, 134-43	4.3	18
174	Single-molecule magnet behavior in 2,2'-bipyrimidine-bridged dilanthanide complexes. <i>Beilstein Journal of Nanotechnology</i> , <b>2016</b> , 7, 126-37	3	17
173	Phenalenyl-based mononuclear dysprosium complexes. <i>Beilstein Journal of Nanotechnology</i> , <b>2016</b> , 7, 995-1009	3	3
172	Solvent-Induced Polymorphism of Iron(II) Spin Crossover Complexes. <i>Materials</i> , <b>2016</b> , 9,	3.5	17
171	Giant Hysteresis of Single-Molecule Magnets Adsorbed on a Nonmagnetic Insulator. <i>Advanced Materials</i> , <b>2016</b> , 28, 5195-9	24	108
170	Surface-Guided Formation of an Organocobalt Complex. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5848-5853	3.6	5
169	Quantum Einstein-de Haas effect. <i>Nature Communications</i> , <b>2016</b> , 7, 11443	17.4	36
168	Spin-communication channels between Ln(III) bis-phthalocyanines molecular nanomagnets and a magnetic substrate. <i>Scientific Reports</i> , <b>2016</b> , 6, 21740	4.9	23
167	Structural diversity in substituted-pyridinium iodo- and bromoplumbates: a matter of halide and temperature. <i>CrystEngComm</i> , <b>2016</b> , 18, 8207-8219	3.3	20
166	CO <sub>2</sub> Binding and Induced Structural Collapse of a Surface-Supported MetalOrganic Network. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 18622-18630	3.8	10
165	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> , <b>2015</b> , 3, 9794-9801	7.1	25
164	Highly luminescent charge-neutral europium(iii) and terbium(iii) complexes with tridentate nitrogen ligands. <i>Dalton Transactions</i> , <b>2015</b> , 44, 15611-9	4.3	25
163	Tuning the magneto-optical response of TbPc <sub>2</sub> single molecule magnets by the choice of the substrate. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8039-8049	7.1	17
162	On-surface synthesis of carbon-based scaffolds and nanomaterials using terminal alkynes. <i>Accounts of Chemical Research</i> , <b>2015</b> , 48, 2140-50	24.3	161
161	Unusual Deprotonated Alkynyl Hydrogen Bonding in Metal-Supported Hydrocarbon Assembly. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 9669-9679	3.8	32



160	Magnetic interaction between a radical spin and a single-molecule magnet in a molecular spin-valve. <i>ACS Nano</i> , <b>2015</b> , 9, 4458-64	16.7	78
159	Spin transition in arrays of gold nanoparticles and spin crossover molecules. <i>ACS Nano</i> , <b>2015</b> , 9, 4496-507	16.7	67
158	Bis(phthalocyaninato) Lanthanide(III) Complexes From Molecular Magnetism to Spintronic Devices <b>2015</b> , 223-292		7
157	A charge neutral iron(II) complex with an above room temperature spin crossover (SCO) and hysteresis loop. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 11635-11644	7.1	24
156	Self-assembly of bis(phthalocyaninato)terbium on metal surfaces. <i>Physica Scripta</i> , <b>2015</b> , 90, 098003	2.6	8
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15	Hierarchical self-assembly of supramolecular spintronic modules into 1D- and 2D-architectures with emergence of magnetic properties. <i>Chemistry - A European Journal</i> , <b>2004</b> , 11, 94-100	4.8	94
14	Supramolecular spintronic devices: spin transitions and magnetostructural correlations in [Fe <sup>II</sup> L <sub>4</sub> ] <sub>8</sub> + [2x2]-grid-type complexes. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 4422-9	4.8	143
13	Functional supramolecular devices: [M <sup>II</sup> L <sub>4</sub> ] <sub>8</sub> + [2 x 2]-grid-type complexes as multilevel molecular electronic species. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 291-9	4.8	79
12	Supramolecular Spintronic Devices: Spin Transitions and Magnetostructural Correlations in [Fe <sup>II</sup> L <sub>4</sub> ] <sub>8</sub> + [2 <sub>0</sub> ]-Grid-Type Complexes. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 5176-5176	4.8	1
11	Synthesis of ionisable [2 x 2] grid-type metallo-arrays and reversible protonic modulation of the optical properties of the [Co <sup>II</sup> (L) <sub>4</sub> ] <sub>8</sub> + species. <i>Chemical Communications</i> , <b>2003</b> , 1338-9	5.8	101
10	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> , <b>2000</b> , 2000, 1055-1064	2.3	41
9	Durch Temperatur, Druck oder Licht induzierter Spinübergang in einer supramolekularen Fe-[2 <sub>0</sub> ]-Gitterverbindung. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 2563-2566	3.6	103
8	Molekulare Spezies mit mehreren Ladungszuständen: elektrochemische Reduktion eines Co-[2 <sub>0</sub> ]-Gitterkomplexes durch 11 Elektronen in 10 reversiblen Stufen. <i>Angewandte Chemie</i> , <b>2000</b> , 112, 4312-4315	3.6	24
7	Spin Crossover in a Supramolecular Fe <sup>II</sup> [2 <sub>0</sub> ] Grid Triggered by Temperature, Pressure, and Light. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 2504-2507	16.4	294
6	Multilevel Molecular Electronic Species: Electrochemical Reduction of a [2 <sub>0</sub> ] Co Grid-Type Complex by 11 Electrons in 10 Reversible Steps. <i>Angewandte Chemie - International Edition</i> , <b>2000</b> , 39, 4139-4142	16.4	75
5	Novel polypyridyl ruthenium(II) complexes containing oxalamidines as ligands. <i>Inorganica Chimica Acta</i> , <b>2000</b> , 303, 206-214	2.7	17
4	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> , <b>2000</b> , 3649-3657		51
3	A bibenzimidazole-containing ruthenium(II) complex acting as a cation-driven molecular switch. <i>Inorganic Chemistry</i> , <b>2000</b> , 39, 1621-4	5.1	65
2	Carbon dioxide and metal centres: from reactions inspired by nature to reactions in compressed carbon dioxide as solvent. <i>Coordination Chemistry Reviews</i> , <b>1999</b> , 182, 67-100	23.2	136
1	Self-Assembly of Supramolecular Nanostructures: Ordered Arrays of Metal Ions and Carbon Nanotubes	327-348	