

# Mario Ruben

## List of Publications by Year in descending order

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283  
papers

18,768  
citations

12330

69  
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15266

126  
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303  
all docs

303  
docs citations

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times ranked

12921  
citing authors

#	ARTICLE	IF	CITATIONS
1	Grid-Type Metal Ion Architectures: Functional Metallosupramolecular Arrays. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3644-3662.	13.8	1,319
2	Electronic read-out of a single nuclear spin using a molecular spin transistor. <i>Nature</i> , 2012, 488, 357-360.	27.8	744
3	Electrically driven nuclear spin resonance in single-molecule magnets. <i>Science</i> , 2014, 344, 1135-1138.	12.6	678
4	Supramolecular spin valves. <i>Nature Materials</i> , 2011, 10, 502-506.	27.5	638
5	Emerging trends in spin crossover (SCO) based functional materials and devices. <i>Coordination Chemistry Reviews</i> , 2017, 346, 176-205.	18.8	612
6	Graphene Spintronic Devices with Molecular Nanomagnets. <i>Nano Letters</i> , 2011, 11, 2634-2639.	9.1	371
7	Homo-coupling of terminal alkynes on a noble metal surface. <i>Nature Communications</i> , 2012, 3, 1286.	12.8	350
8	Spin Crossover in a Supramolecular Fe <sup>4</sup> I <sub>2</sub> [2D] Grid Triggered by Temperature, Pressure, and Light. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2504-2507.	13.8	334
9	Metal-Organic Honeycomb Nanomeshes with Tunable Cavity Size. <i>Nano Letters</i> , 2007, 7, 3813-3817.	9.1	297
10	Strong spin-phonon coupling between a single-molecule magnet and a carbon nanotube nanoelectromechanical system. <i>Nature Nanotechnology</i> , 2013, 8, 165-169.	31.5	287
11	Operating Quantum States in Single Magnetic Molecules: Implementation of Grover's Quantum Algorithm. <i>Physical Review Letters</i> , 2017, 119, 187702.	7.8	256
12	Molecular spin qubits for quantum algorithms. <i>Chemical Society Reviews</i> , 2018, 47, 501-513.	38.1	254
13	Toward Highly Reversible Magnesium-Sulfur Batteries with Efficient and Practical Mg[B(hfip) <sub>4</sub> ] <sub>2</sub> Electrolyte. <i>ACS Energy Letters</i> , 2018, 3, 2005-2013.	17.4	234
14	2D Supramolecular Assemblies of Benzene-1,3,5-triyl-tribenzoic Acid: A Temperature-Induced Phase Transformations and Hierarchical Organization with Macrocyclic Molecules. <i>Journal of the American Chemical Society</i> , 2006, 128, 15644-15651.	13.7	221
15	Surface-Assisted Assembly of 2D Metal-Organic Networks That Exhibit Unusual Threefold Coordination Symmetry. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 710-713.	13.8	219
16	Addressing metal centres in supramolecular assemblies. <i>Chemical Society Reviews</i> , 2006, 35, 1056-1067.	38.1	196
17	Controlled Metalation of Self-Assembled Porphyrin Nanoarrays in Two Dimensions. <i>ChemPhysChem</i> , 2007, 8, 250-254.	2.1	195
18	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, 17927-17930.	7.1	186

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19	On-Surface Synthesis of Carbon-Based Scaffolds and Nanomaterials Using Terminal Alkynes. <i>Accounts of Chemical Research</i> , 2015, 48, 2140-2150.	15.6	186
20	Anchoring of Rare-Earth-Based Single-Molecule Magnets on Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2009, 131, 15143-15151.	13.7	185
21	Chiral KagomÃ© Lattice from Simple Ditopic Molecular Bricks. <i>Journal of the American Chemical Society</i> , 2008, 130, 11778-11782.	13.7	184
22	Electronic Structure of Surface-supported Bis(phthalocyaninato) terbium(III) Single Molecular Magnets. <i>Nano Letters</i> , 2008, 8, 3364-3368.	9.1	183
23	Electrical control over the Fe(II) spin crossover in a single molecule: Theory and experiment. <i>Physical Review B</i> , 2011, 83, .	3.2	169
24	Sublimable Spinâ€Crossover Complexes: From Spinâ€State Switching to Molecular Devices. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7502-7521.	13.8	167
25	Synthesis of Extended Graphdiyne Wires by Vicinal Surface Templating. <i>Nano Letters</i> , 2014, 14, 1891-1897.	9.1	165
26	Spin Dynamics in the Negatively Charged Terbium (III) Bis-phthalocyaninato Complex. <i>Journal of the American Chemical Society</i> , 2009, 131, 4387-4396.	13.7	158
27	Supramolecular Spintronic Devices: Spin Transitions and Magnetostructural Correlations in [Fe <sup>III</sup> L <sub>4</sub> ] <sup>8+</sup> [2 <sup>-</sup> ]-Grid-Type Complexes. <i>Chemistry - A European Journal</i> , 2003, 9, 4422-4429.	3.3	155
28	Microâ€and Nanopatterning of Spinâ€Transition Compounds into Logical Structures. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8596-8600.	13.8	155
29	Coupling Single Molecule Magnets to Ferromagnetic Substrates. <i>Physical Review Letters</i> , 2011, 107, 177205.	7.8	153
30	Room-temperature spin-transition iron compounds. <i>Monatshefte FÃ¼r Chemie</i> , 2009, 140, 695-733.	1.8	151
31	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.	18.8	150
32	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, 11900-11901.	13.7	147
33	Giant Hysteresis of Singleâ€Molecule Magnets Adsorbed on a Nonmagnetic Insulator. <i>Advanced Materials</i> , 2016, 28, 5195-5199.	21.0	137
34	High-Quality 2D Metalâ€Organic Coordination Network Providing Giant Cavities within Mesoscale Domains. <i>Journal of the American Chemical Society</i> , 2009, 131, 3881-3883.	13.7	134
35	Real-space observation of spin-split molecular orbitals of adsorbed single-molecule magnets. <i>Nature Communications</i> , 2012, 3, 953.	12.8	130
36	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, 6678-6681.	7.1	123

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37	Atomic Force Microscopy Reveals Bistable Configurations of Dibenzo[a,h]thianthrene and their Interconversion Pathway. <i>Physical Review Letters</i> , 2012, 108, 086101.	7.8	122
38	Single-Molecule Magnetism in a Pentacoordinate Cobalt(II) Complex Supported by an Antenna Ligand. <i>Inorganic Chemistry</i> , 2014, 53, 8200-8202.	4.0	115
39	Synthesis of ionisable [2 Å– 2] grid-type metallo-arrays and reversible protonic modulation of the optical properties of the [Coll4L4]8+species. <i>Chemical Communications</i> , 2003, , 1338-1339.	4.1	111
40	Molecular Quantum Spintronics: Supramolecular Spin Valves Based on Single-Molecule Magnets and Carbon Nanotubes. <i>International Journal of Molecular Sciences</i> , 2011, 12, 6656-6667.	4.1	110
41	Programming Supramolecular Assembly and Chirality in Two-Dimensional Dicarboxylate Networks on a Cu(100) Surface. <i>Nano Letters</i> , 2005, 5, 901-904.	9.1	109
42	Surface-Confined Supramolecular Coordination Chemistry. <i>Topics in Current Chemistry</i> , 2008, 287, 1-44.	4.0	109
43	Switching of a coupled spin pair in a single-molecule junction. <i>Nature Nanotechnology</i> , 2013, 8, 575-579.	31.5	107
44	Random two-dimensional string networks based on divergent coordination assembly. <i>Nature Chemistry</i> , 2010, 2, 131-137.	13.6	106
45	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.	3.1	101
46	Hierarchical Self-Assembly of Supramolecular Spintronic Modules into 1D- and 2D-Architectures with Emergence of Magnetic Properties. <i>Chemistry - A European Journal</i> , 2005, 11, 94-100.	3.3	99
47	Magnetic Interaction Between a Radical Spin and a Single-Molecule Magnet in a Molecular Spin-Valve. <i>ACS Nano</i> , 2015, 9, 4458-4464.	14.6	97
48	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
49	Thin Deposits and Patterning of Room-Temperature-Switchable One-Dimensional Spin-Crossover Compounds. <i>Langmuir</i> , 2011, 27, 4076-4081.	3.5	91
50	Surface-Enhanced Raman Signal for Terbium Single-Molecule Magnets Grafted on Graphene. <i>ACS Nano</i> , 2010, 4, 7531-7537.	14.6	90
51	Multilevel Molecular Electronic Species: Electrochemical Reduction of a [2 Å–2] Coll4 Grid-Type Complex by 11 Electrons in 10 Reversible Steps. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 4139-4142.	13.8	89
52	Multi-modal sensing in spin crossover compounds. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7836-7844.	5.5	87
53	Functional Supramolecular Devices: [M4ILL4]8+ [2 Å–2]-Grid-Type Complexes as Multilevel Molecular Electronic Species. <i>Chemistry - A European Journal</i> , 2003, 9, 291-299.	3.3	86
54	Rotational and constitutional dynamics of caged supramolecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21332-21336.	7.1	83

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55	Above room temperature spin transition in a metallo-supramolecular coordination oligomer/polymer. <i>Chemical Communications</i> , 2007, , 2636.	4.1	81
56	Dichotomous Array of Chiral Quantum Corrals by a Self-Assembled Nanoporous KagomÃ© Network. <i>Nano Letters</i> , 2009, 9, 3509-3514.	9.1	78
57	Single-molecule transport in three-terminal devices. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 374121.	1.8	77
58	Highly Adaptable Two-Dimensional Metalâ€“Organic Coordination Networks on Metal Surfaces. <i>Journal of the American Chemical Society</i> , 2012, 134, 6072-6075.	13.7	77
59	Spin Transition in Arrays of Gold Nanoparticles and Spin Crossover Molecules. <i>ACS Nano</i> , 2015, 9, 4496-4507.	14.6	77
60	A Bibenzimidazole-Containing Ruthenium(II) Complex Acting as a Cation-Driven Molecular Switch. <i>Inorganic Chemistry</i> , 2000, 39, 1621-1624.	4.0	74
61	Synthesis, structures and magnetic properties of [(âˆ—9-C9H9)Ln(âˆ—8-C8H8)] super sandwich complexes. <i>Nature Communications</i> , 2019, 10, 3135.	12.8	74
62	Expanding the Coordination Cage: A Ruthenium(II)âˆ™Polypyridine Complex Exhibiting High Quantum Yields under Ambient Conditions. <i>Inorganic Chemistry</i> , 2009, 48, 5677-5684.	4.0	73
63	Tuning the spin-transition properties of pyrene-decorated 2,6-bispyrazolylpyridine based Fe(ii) complexes. <i>Dalton Transactions</i> , 2011, 40, 7564.	3.3	73
64	Spin Transition in a Chainlike Supramolecular Iron(II) Complex. <i>Inorganic Chemistry</i> , 2006, 45, 10019-10021.	4.0	71
65	Tunable Quantum Dot Arrays Formed from Self-Assembled Metal-Organic Networks. <i>Physical Review Letters</i> , 2011, 106, 026802.	7.8	71
66	Reversible Chiral Switching of Bis(phthalocyaninato) Terbium(III) on a Metal Surface. <i>Nano Letters</i> , 2012, 12, 3931-3935.	9.1	70
67	Visions for a molecular future. <i>Nature Nanotechnology</i> , 2013, 8, 385-389.	31.5	70
68	Addressing the Metal Centers of [2Ã—2] CoII Grid-Type Complexes by STM/STS. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7896-7900.	13.8	69
69	Exchange Biasing Single Molecule Magnets: Coupling of TbPc<sub>2</sub> to Antiferromagnetic Layers. <i>Nano Letters</i> , 2012, 12, 5703-5707.	9.1	69
70	Ordering and Stabilization of Metalâ€“Organic Coordination Chains by Hierarchical Assembly through Hydrogen Bonding at a Surface. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8835-8838.	13.8	68
71	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
72	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.	3.1	66

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73	Characterization of a Surface Reaction by Means of Atomic Force Microscopy. Journal of the American Chemical Society, 2015, 137, 7424-7428.	13.7	64
74	New Organic Electrode Materials for Ultrafast Electrochemical Energy Storage. Advanced Materials, 2019, 31, e1806599.	21.0	64
75	Nuclear Spin Isomers: Engineering a $\text{Et}_4\text{N}[\text{DyPc}_2]$ Spin Qudit. Angewandte Chemie - International Edition, 2017, 56, 9915-9919.	13.8	62
76	Electrical Readout of Individual Nuclear Spin Trajectories in a Single-Molecule Magnet Spin Transistor. Physical Review Letters, 2013, 111, 037203.	7.8	61
77	A Surface Coordination Network Based on Copper Adatom Trimers. Angewandte Chemie - International Edition, 2014, 53, 12955-12959.	13.8	61
78	Surface-assisted coordination chemistry and self-assembly. Dalton Transactions, 2006, , 2794-2800.	3.3	60
79	Charge Transport Through a Cardanâ€œJoint Molecule. Small, 2008, 4, 2229-2235.	10.0	60
80	Spin-crossover in iron( $\text{ii}$ )-Schiff base complexes. Dalton Transactions, 2019, 48, 15321-15337.	3.3	59
81	Surfaceâ€œConfined Selfâ€œAssembly of Diâ€œcarbonitrile Polyphenyls. Advanced Functional Materials, 2011, 21, 1230-1240.	14.9	58
82	Giant Magnetoresistance in Carbon Nanotubes with Single-Molecule Magnets $\text{TbPc}_2$ . ACS Nano, 2017, 11, 6868-6880.	14.6	58
83	Squaring the Interface: ?Surface-Assisted? Coordination Chemistry. Angewandte Chemie - International Edition, 2005, 44, 1594-1596.	13.8	56
84	Assembling Isostructural Metalâ€œOrganic Coordination Architectures on Cu(100), Ag(100) and Ag(111) Substrates. ChemPhysChem, 2008, 9, 2495-2499.	2.1	56
85	Carbon Nanotube Nanoelectromechanical Systems as Magnetometers for Single-Molecule Magnets. ACS Nano, 2013, 7, 6225-6236.	14.6	56
86	Room temperature switching of a neutral molecular iron(ii) complex. Chemical Communications, 2013, 49, 10986.	4.1	55
87	Quantum Einstein-de Haas effect. Nature Communications, 2016, 7, 11443.	12.8	55
88	Bis(R-bipyridyl)ruthenium bibenzimidazole complexes ( $\text{R} = \text{H, Me or But}$ ): 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€œSurface Spin Crossover: Spinâ€œState Switching in a Selfâ€œAssembled Film of Vacuumâ€œSublimable Functional Molecule. Advanced Materials, 2018, 30, 1705416.	21.0	54
90	Copper Porphyrin as a Stable Cathode for Highâ€œPerformance Rechargeable Potassium Organic Batteries. ChemSusChem, 2020, 13, 2286-2294.	6.8	54

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91	Ultra-narrow optical linewidths in rare-earth molecular crystals. <i>Nature</i> , 2022, 603, 241-246.	27.8	54
92	Surface confinement of TbPc <sub>2</sub> -SMMs: structural, electronic and magnetic properties. <i>Dalton Transactions</i> , 2016, 45, 18417-18433.	3.3	52
93	Quantum tunnelling of the magnetisation in single-molecule magnet isotopologue dimers. <i>Chemical Science</i> , 2019, 10, 5138-5145.	7.4	52
94	Conductance Switching and Vibrational Fine Structure of a [2-Å] Co <sup>II</sup> <sub>4</sub> Gridlike Single Molecule Measured in a Three-Terminal Device. <i>Small</i> , 2010, 6, 174-178.	10.0	51
95	Landau-Zener tunneling of a single Tb <sup>3+</sup> magnetic moment allowing the electronic read-out of a nuclear spin. <i>Physical Review B</i> , 2013, 87, .	3.2	51
96	Electrical Read-Out of a Single Spin Using an Exchange-Coupled Quantum Dot. <i>ACS Nano</i> , 2017, 11, 3984-3989.	14.6	50
97	Self-Assembly, Structure and Solution Dynamics of Tetranuclear Zn <sup>2+</sup> Hydrazone [2-Å] Grid-Type Complexes. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 784-792.	2.0	49
98	Lattice-solvent controlled spin transitions in iron(ii) complexes. <i>Dalton Transactions</i> , 2007, , 3531.	3.3	49
99	Coupling of single, double, and triple-decker metal-phthalocyanine complexes to ferromagnetic and antiferromagnetic substrates. <i>Surface Science</i> , 2014, 630, 361-374.	1.9	49
100	A luminescent Pt <sub>2</sub> Fe spin crossover complex. <i>Dalton Transactions</i> , 2017, 46, 2289-2302.	3.3	49
101	STM spectroscopy of magnetic molecules. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2387-2398.	18.8	48
102	Exchange-bias quantum tunnelling in a CO <sub>2</sub> -based Dy <sub>4</sub> -single molecule magnet. <i>Chemical Science</i> , 2017, 8, 1178-1185.	7.4	48
103	Single-molecule devices with graphene electrodes. <i>Dalton Transactions</i> , 2016, 45, 16570-16574.	3.3	47
104	Molecular Orbital Gates for Plasmon Excitation. <i>Nano Letters</i> , 2013, 13, 2846-2850.	9.1	46
105	Spin-state dependent conductance switching in single molecule-graphene junctions. <i>Nanoscale</i> , 2018, 10, 7905-7911.	5.6	46
106	Using metal-organic templates to steer the growth of Fe and Co nanoclusters. <i>Applied Physics Letters</i> , 2008, 93, 243102.	3.3	45
107	Surface-Confined Metal-Organic Nanostructures from Co-Directed Assembly of Linear Terphenyl-dicarbonitrile Linkers on Ag(111). <i>Journal of Physical Chemistry C</i> , 2010, 114, 15602-15606.	3.1	44
108	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.	2.0	43

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109	Supramolecular lattice-solvent control of iron(ii) spin transition parameters. <i>CrystEngComm</i> , 2010, 12, 2361.	2.6	43
110	The interplay of iron(ii) spin transition and polymorphism. <i>Dalton Transactions</i> , 2012, 41, 5163.	3.3	43
111	Hysteretic behaviour in a vacuum deposited submonolayer of single ion magnets. <i>Dalton Transactions</i> , 2014, 43, 10686-10689.	3.3	43
112	Surface-Supported Robust 2D Lanthanide-Carboxylate Coordination Networks. <i>Small</i> , 2015, 11, 6358-6364.	10.0	43
113	Charge-switchable molecular magnet and spin blockade of tunneling. <i>Physical Review B</i> , 2007, 75, .	3.2	42
114	Cu-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
115	Template-directed supramolecular self-assembly of coordination dumbbells at surfaces. <i>Chemical Communications</i> , 2007, , 4860.	4.1	41
116	Conformational Adaptation in Supramolecular Assembly on Surfaces. <i>ChemPhysChem</i> , 2007, 8, 1782-1786.	2.1	41
117	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
118	Synthetic Hilbert Space Engineering of Molecular Quasiperiodic Structures: Isotopologue Chemistry. <i>Advanced Materials</i> , 2019, 31, e1806687.	21.0	41
119	Selective Coordination Bonding in Metallo-Supramolecular Systems on Surfaces. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4327-4331.	13.8	40
120	Adsorption and dehydrogenation of tetrahydroxybenzene on Cu(111). <i>Chemical Communications</i> , 2013, 49, 9308.	4.1	40
121	Steering On-Surface Self-Assembly of High-Quality Hydrocarbon Networks with Terminal Alkynes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3987-3995.	3.1	40
122	Unusual Deprotonated Alkynyl Hydrogen Bonding in Metal-Supported Hydrocarbon Assembly. <i>Journal of Physical Chemistry C</i> , 2015, 119, 9669-9679.	3.1	39
123	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.	6.7	39
124	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
125	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
126	Zero-field splitting in pentacoordinate Co(II) complexes. <i>Polyhedron</i> , 2013, 65, 122-128.	2.2	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.	9.1	37
128	Antiferromagnetic coupling of TbPc <sub>2</sub> molecules to ultrathin Ni and Co films. Beilstein Journal of Nanotechnology, 2013, 4, 320-324.	2.8	36
129	Understanding the Superior Stability of Single-Molecule Magnets on an Oxide Film. Advanced Science, 2019, 6, 1901736.	11.2	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.	5.5	34
131	Above room temperature spin transition in a series of iron(II) bis(pyrazolyl)pyridine compounds. Comptes Rendus Chimie, 2008, 11, 1166-1174.	0.5	33
132	Spin and charge dynamics 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.	3.2	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.	2.6	33
134	Does the Surface Matter? Hydrogen-Bonded Chain Formation of an Oxalic Amide Derivative in a Two- and Three-Dimensional Environment. ChemPhysChem, 2008, 9, 2522-2530.	2.1	32
135	Uniform $\pi$ -System Alignment in Thin Films of Template-Grown Dicarbonitrile-Oligophenyls. Advanced Functional Materials, 2011, 21, 1631-1642.	14.9	32
136	Supramolecular Co(II)-[2 Å - 2] Grids: A Metamagnetic Behavior in a Single Molecule. Inorganic Chemistry, 2006, 45, 6535-6540.	4.0	31
137	An Iron(II) Spin-Transition Compound with Thiol Anchoring Groups. European Journal of Inorganic Chemistry, 2008, 2008, 2649-2653.	2.0	31
138	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.	5.5	31
139	A Porphyrin Complex as a Self-Conditioned Electrode Material for High-Performance Energy Storage. Angewandte Chemie, 2017, 129, 10477-10482.	2.0	31
140	Spin-communication channels between Ln(III) bis-phthalocyanines molecular nanomagnets and a magnetic substrate. Scientific Reports, 2016, 6, 21740.	3.3	30
141	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
142	Supramolecular Organization and Chiral Resolution of a Terphenyl-Dicarbonitrile on the Ag(111) Surface. ChemPhysChem, 2010, 11, 1446-1451.	2.1	29
143	<sup>2</sup> D Self-Assembly and Catalytic Homo-coupling of the Terminal Alkyne 1,4-Bis(3,5-diethynylphenyl)butadiyne on Ag(111). ChemCatChem, 2013, 5, 3281-3288.	3.7	29
144	Coupling molecular spin centers to microwave planar resonators: towards integration of molecular qubits in quantum circuits. Dalton Transactions, 2016, 45, 16596-16603.	3.3	29

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145	Radical-Ianthanide ferromagnetic interaction in a $TbPc_2$ complex. Physical Review Materials, 2018, 2, .	2.4	29
146	Spin-Crossover and Massive Anisotropy Switching of 5d Transition Metal Atoms on Graphene Nanoflakes. Nano Letters, 2014, 14, 3364-3368.	9.1	28
147	Direct Conversion of CO <sub>2</sub> to Multi-Layer Graphene using Cu-Pd Alloys. ChemSusChem, 2019, 12, 3509-3514.	6.8	28
148	Spin dynamics in the neutral rare-earth single-molecule magnets $[Fe(1-BPP-COOC)_2H_5]_2(CIO_4)_2 \cdot CH_3CN$ complex. Dalton Transactions, 2019, 48, 3825-3830.	3.0	27
149	Rational In Silico Design of an Organic Semiconductor with Improved Electron Mobility. Advanced Materials, 2017, 29, 1703505.	21.0	27
150	Observation of Cooperative Electronic Quantum Tunneling: Increasing Accessible Nuclear States in a Molecular Qudit. Inorganic Chemistry, 2018, 57, 9873-9879.	4.0	27
151	Bi-stable spin-crossover characteristics of a highly distorted $[Fe(1-BPP-COOC)_2H_5]_2(CIO_4)_2 \cdot CH_3CN$ complex. Dalton Transactions, 2019, 48, 3825-3830.	3.0	27
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