

Grigore A Timco

List of Publications by Year in descending order

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159
all docs

159
docs citations

159
times ranked

4192
citing authors

#	ARTICLE	IF	CITATIONS
1	Will Spin-Relaxation Times in Molecular Magnets Permit Quantum Information Processing?. Physical Review Letters, 2007, 98, 057201.	2.9	672
2	Engineering the coupling between molecular spin qubits by coordination chemistry. Nature Nanotechnology, 2009, 4, 173-178.	15.6	374
3	Hybrid organic-inorganic rotaxanes and molecular shuttles. Nature, 2009, 458, 314-318.	13.7	256
4	Synthesis and Characterization of Heterometallic{Cr7M} Wheels. Angewandte Chemie - International Edition, 2003, 42, 101-105.	7.2	205
5	Linking heterometallic rings for quantum information processing and amusement. Chemical Society Reviews, 2011, 40, 3067.	18.7	197
6	A modular design of molecular qubits to implement universal quantum gates. Nature Communications, 2016, 7, 11377.	5.8	196
7	Magnetic Anisotropy of the Antiferromagnetic Ring [Cr8F8Piv16]. Chemistry - A European Journal, 2002, 8, 277-285.	1.7	194
8	Synthetic and Structural Studies of Cobalt-Pivalate Complexes. Chemistry - A European Journal, 2003, 9, 5142-5161.	1.7	185
9	Studies of chromium cages and wheels. Coordination Chemistry Reviews, 2005, 249, 2577-2590.	9.5	140
10	A ring cycle: studies of heterometallic wheels. Chemical Communications, 2007, , 1789.	2.2	131
11	The Magnetic Möbius Strip: Synthesis, Structure, and Magnetic Studies of Odd-Numbered Antiferromagnetically Coupled Wheels. Angewandte Chemie - International Edition, 2004, 43, 5196-5200.	7.2	120
12	A classification of spin frustration in molecular magnets from a physical study of large odd-numbered-metal, odd electron rings. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19113-19118.	3.3	114
13	Heterometallic Rings: Their Physics and use as Supramolecular Building Blocks. Angewandte Chemie - International Edition, 2015, 54, 14244-14269.	7.2	114
14	Spin dynamics of molecular nanomagnets unravelled at atomic scale by four-dimensional inelastic neutron scattering. Nature Physics, 2012, 8, 906-911.	6.5	108
15	Synthesis and Characterization of Mixed-Valent Manganese Phosphonate Cage Complexes. Chemistry - A European Journal, 2006, 12, 8777-8785.	1.7	104
16	Engineering coherent interactions in molecular nanomagnet dimers. Npj Quantum Information, 2015, 1, .	2.8	101
17	Nickel pivalate complexes: structural variations and magnetic susceptibility and inelastic neutron scattering studies. Dalton Transactions, 2004, , 2758-2766.	1.6	99
18	Making hybrid [n]-rotaxanes as supramolecular arrays of molecular electron spin qubits. Nature Communications, 2016, 7, 10240.	5.8	91

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19	Homo- and heterometallic carboxylate cage complexes as precatalysts for olefin polymerization – Activity enhancement through “inert metals”. <i>Journal of Catalysis</i> , 2004, 222, 260-267.	3.1	89
20	Linking Rings through Diamines and Clusters: Exploring Synthetic Methods for Making Magnetic Quantum Gates. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6496-6500.	7.2	80
21	EPR Spectroscopy of a Family of Cr ^{III} ₇ M ^{II} (M = Cd, Zn, Mn, Ni) “Wheels”. Studies of Isostructural Compounds with Different Spin Ground States. <i>Chemistry - A European Journal</i> , 2009, 15, 3152-3167.	1.7	77
22	Multi-Temperature Crystallographic Studies of Mixed-Valence Polynuclear Complexes; Valence Trapping Process in the Trinuclear Oxo-Bridged Iron Compound, [Fe ₃ O(O ₂ CC(CH ₃) ₃) ₆ (C ₅ H ₅ N) ₃]. <i>Journal of the American Chemical Society</i> , 2000, 122, 11370-11379.	6.6	73
23	Physical studies of heterometallic rings: an ideal system for studying magnetically-coupled systems. <i>Chemical Society Reviews</i> , 2013, 42, 1796-1806.	18.7	73
24	Horseshoes, Rings, and Distorted Rings: Studies of Cyclic Chromium-Fluoride Cages. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5978-5981.	7.2	72
25	Molecular routes for spin cluster qubits. <i>Dalton Transactions</i> , 2006, , 2810.	1.6	66
26	A Ring of Rings and Other Multicomponent Assemblies of Cages. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9932-9935.	7.2	66
27	Heterometallic Rings Made From Chromium Stick Together Easily. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9681-9684.	7.2	64
28	Electric Field Control of Spins in Molecular Magnets. <i>Physical Review Letters</i> , 2019, 122, 037202.	2.9	64
29	Host “Guest Chemistry of the Chromium-Wheel Complex [Cr ₈ F ₈ (tBuCO ₂) ₁₆]: Prediction of Inclusion Capabilities by Using an Electrostatic Potential Distribution Determined by Modeling Synchrotron X-ray Structure Factors at 16 K. <i>Chemistry - A European Journal</i> , 2002, 8, 2775.	1.7	63
30	Influencing the nuclearity and constitution of heterometallic rings via templates. <i>Chemical Communications</i> , 2005, , 3649.	2.2	63
31	Importance of the Anisotropic Exchange Interaction for the Magnetic Anisotropy of Polymetallic Systems. <i>Journal of the American Chemical Society</i> , 2007, 129, 760-761.	6.6	62
32	A Systematic Exploration of Nickel “Pyrazolinato Chemistry with Alkali Metals: New Cages From Serendipitous Assembly. <i>Chemistry - A European Journal</i> , 2003, 9, 3024-3032.	1.7	59
33	A family of heterometallic wheels containing potentially fourteen hundred siblings. <i>Chemical Communications</i> , 2005, , 1125-1127.	2.2	59
34	Studies of an Fe ₉ Tridiminished Icosahedron. <i>Chemistry - A European Journal</i> , 2006, 12, 8961-8968.	1.7	59
35	Molecular nanomagnets with switchable coupling for quantum simulation. <i>Scientific Reports</i> , 2014, 4, 7423.	1.6	58
36	Chromium chains as polydentate fluoride ligands for lanthanides. <i>Chemical Communications</i> , 2011, 47, 6251.	2.2	57

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37	Synthesis, Structure, and Dynamic Properties of Hybrid Organic-Inorganic Rotaxanes. <i>Journal of the American Chemical Society</i> , 2010, 132, 15435-15444.	6.6	56
38	Synthesis, structure and magnetic properties of hydroxyquinaldine-bridged cobalt and nickel cubanes. <i>Dalton Transactions</i> , 2003, , 4466-4471.	1.6	55
39	A Family of Ferro- and Antiferromagnetically Coupled Decametallic Chromium(III) Wheels. <i>Chemistry - A European Journal</i> , 2006, 12, 1385-1396.	1.7	55
40	Synthesis and Characterization of Heterometallic {Cr ₇ M} Wheels. <i>Angewandte Chemie</i> , 2003, 115, 105-109.	1.6	54
41	Octa-, Deca-, Trideca-, and Tetradecanuclear Heterometallic Cyclic Chromium-Copper Cages. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 924-927.	7.2	54
42	Zinc(II) carboxylates with imidazole and 2-methylimidazole: unprecedented cyclic dimer and polynuclear coordination polymers based on bridging phthalate ions. <i>Inorganica Chimica Acta</i> , 2003, 344, 109-116.	1.2	52
43	A One-Pot Synthesis of Monodispersed Iron Cobalt Oxide and Iron Manganese Oxide Nanoparticles from Bimetallic Pivalate Clusters. <i>Chemistry of Materials</i> , 2014, 26, 999-1013.	3.2	50
44	Plasma-Etched Pattern Transfer of Sub-10 nm Structures Using a Metal-Organic Resist and Helium Ion Beam Lithography. <i>Nano Letters</i> , 2019, 19, 6043-6048.	4.5	49
45	Synthesis and X-ray diffraction study of Zn(II) complexes with o-phthalic acid and aromatic amines. <i>Polyhedron</i> , 2001, 20, 831-837.	1.0	47
46	Coherent electron spin manipulation in a dilute oriented ensemble of molecular nanomagnets: pulsed EPR on doped single crystals. <i>Chemical Communications</i> , 2014, 50, 91-93.	2.2	46
47	Self-Assembled Monolayer of Cr ₇ Ni Molecular Nanomagnets by Sublimation. <i>ACS Nano</i> , 2011, 5, 7090-7099.	7.3	42
48	Mixed-terminal-ligand oxo-centered carboxylate-bridged trinuclear complexes: gas phase generation by means of electrospray ionization FT-ICR MS, condensed phase synthesis, and X-ray structure of K ₂ [Cr ₃ O(C ₆ H ₅ COO) ₆ (F) ₂ (H ₂ O)]·2(CH ₃) ₂ CO. <i>Inorganica Chimica Acta</i> , 2001, 319, 23-42.	1.2	41
49	Controlled Synthesis of Nanoscopic Metal Cages. <i>Journal of the American Chemical Society</i> , 2015, 137, 7644-7647.	6.6	41
50	Studies of Finite Molecular Chains: Synthesis, Structural, Magnetic and Inelastic Neutron Scattering Studies of Hexa- and Heptanuclear Chromium Horseshoes. <i>Chemistry - A European Journal</i> , 2008, 14, 5144-5158.	1.7	38
51	Experimental and Theoretical Electron Density Distribution and Magnetic Properties of the Butterfly-like Complex [Fe ₄ O ₂ (O ₂ CCMe ₃) ₈ (NC ₅ H ₄ Me) ₂] ₂ ·2CH ₃ CN. <i>Inorganic Chemistry</i> , 2003, 42, 7593-7601.	1.9	37
52	Templating Open- and Closed-Chain Structures around Metal Complexes of Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6132-6135.	7.2	36
53	Isolated Heterometallic Cr ₇ Ni Rings Grafted on Au(111) Surface. <i>Inorganic Chemistry</i> , 2007, 46, 4937-4943.	1.9	36
54	Rings and threads as linkers in metal-organic frameworks and poly-rotaxanes. <i>Chemical Communications</i> , 2013, 49, 7195.	2.2	36

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55	Engineering in Hybrid Rotaxanes To Create AB ₂ Electron Spin Systems: EPR Spectroscopic Studies of Weak Interactions between Dissimilar Electron Spin Qubits. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10858-10861.	7.2	36
56	A Spectroscopic Investigation of Magnetic Exchange Between Highly Anisotropic Spin Centers. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4007-4011.	7.2	33
57	High-Temperature Reactions of Metal Triangles: The Influence of Counterion, Ligand, and Metal on the Structure Observed. <i>Journal of Solid State Chemistry</i> , 2001, 159, 321-327.	1.4	32
58	On the Possibility of Magneto-Structural Correlations: Detailed Studies of Dinickel Carboxylate Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 8464-8472.	1.9	32
59	Deposition of Functionalized Cr ₇ Ni Molecular Rings on Graphite from the Liquid Phase. <i>Advanced Functional Materials</i> , 2010, 20, 1552-1560.	7.8	31
60	Synthesis and structural characterisation of unprecedented dinuclear zinc(II) complex with H-bonded bridging phthalate ions. <i>Inorganic Chemistry Communication</i> , 2003, 6, 685-689.	1.8	30
61	Quantum spin coherence in halogen-modified Cr ₇ Ni molecular nanomagnets. <i>Physical Review B</i> , 2014, 90, ...	1.1	29
62	Grafting molecular Cr ₇ Ni rings on a gold surface. <i>Dalton Transactions</i> , 2010, 39, 4928.	1.6	28
63	Magnetic Anisotropy of Cr ₇ Ni Spin Clusters on Surfaces. <i>Advanced Functional Materials</i> , 2012, 22, 3706-3713.	7.8	28
64	Chemical Control of Spin Propagation between Heterometallic Rings. <i>Chemistry - A European Journal</i> , 2011, 17, 14020-14030.	1.7	27
65	Synthesis of monodispersed magnetite nanoparticles from iron pivalate clusters. <i>Dalton Transactions</i> , 2013, 42, 196-206.	1.6	27
66	Studies of a Large Odd-Numbered Odd-Electron Metal Ring: Inelastic Neutron Scattering and Muon Spin Relaxation Spectroscopy of Cr ₈ Mn. <i>Chemistry - A European Journal</i> , 2016, 22, 1779-1788.	1.7	27
67	The acid test: the chemistry of carboxylic acid functionalised {Cr ₇ Ni} rings. <i>Chemical Science</i> , 2014, 5, 235-239.	3.7	26
68	A Detailed Study of the Magnetism of Chiral {Cr ₇ M} Rings: An Investigation into Parametrization and Transferability of Parameters. <i>Journal of the American Chemical Society</i> , 2014, 136, 9763-9772.	6.6	26
69	[CrF(O ₂)C ^{sup} (t-Bu) ₂] ₉ : Synthesis and Characterization of a Regular Homometallic Ring with an Odd Number of Metal Centers and Electrons. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8856-8859.	7.2	26
70	Measuring Spin-Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3876-3879.	7.2	26
71	An Extensive Family of Heterometallic Titanium(IV)-Metal(III) Rings with Structure Control through Templates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13629-13632.	7.2	25
72	Low temperature magnetic properties and spin dynamics in single crystals of Cr ₈ Zn antiferromagnetic molecular rings. <i>Journal of Chemical Physics</i> , 2015, 143, 244321.	1.2	23

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73	Coherent Spin Dynamics in Molecular Cr ₈ Zn Wheels. Journal of Physical Chemistry Letters, 2015, 6, 5062-5066.	2.1	23
74	Chemistry and supramolecular chemistry of chromium horseshoes. Chemical Communications, 2008, , 1560.	2.2	22
75	A direct synthesis of water soluble monodisperse cobalt and manganese ferrite nanoparticles from iron based pivalate clusters by the hot injection thermolysis method. Materials Science in Semiconductor Processing, 2014, 27, 303-308.	1.9	21
76	Hybrid Organic-Inorganic Rotaxanes, Including a Hetero Hybrid [3]Rotaxane Featuring Two Distinct Heterometallic Rings and a Molecular Shuttle. Angewandte Chemie - International Edition, 2018, 57, 10919-10922.	7.2	21
77	Studies of a Molecular Hourglass: Synthesis and Magnetic Characterisation of a Cyclic Dodecanuclear {Cr ₁₀ Cu ₂ } Complex. Chemistry - A European Journal, 2006, 12, 8267-8275.	1.7	20
78	Proton NMR Study of Cr ^{III} Co Heterometallic Wheel Complexes. Inorganic Chemistry, 2009, 48, 9811-9818.	1.9	20
79	Anisotropy of Co ^{II} transferred to the Cr ₇ Co polymetallic cluster <i>via</i> strong exchange interactions. Chemical Science, 2018, 9, 3555-3562.	3.7	20
80	Multi-temperature X-ray diffraction, Mössbauer spectroscopy and magnetic susceptibility studies of a solvated mixed-valence trinuclear iron formate, [Fe ₃ O(HCO ₂) ₆ (NC ₅ H ₄ CH ₃) ₃]·1.3(NC ₅ H ₄ CH ₃). Dalton Transactions RSC, 2002, , 2981.	2.3	19
81	Topological effects on the magnetic properties of closed and open ring-shaped Cr-based antiferromagnetic nanomagnets. Physical Review B, 2008, 78, .	1.1	19
82	Functional Chromium Wheel-Based Hybrid Organic-Inorganic Materials for Dielectric Applications. Advanced Functional Materials, 2009, 19, 3226-3236.	7.8	19
83	Linkage Isomerism and Spin Frustration in Heterometallic Rings: Synthesis, Structural Characterization, and Magnetic and EPR Spectroscopic Studies of Cr ₇ Ni, Cr ₆ Ni ₂ , and Cr ₇ Ni ₂ Rings Templated About Imidazolium Cations. Chemistry - A European Journal. 2009, 15, 13150-13160.	1.7	19
84	Caesium ion sequestration by a fluoro-metallocrown [16]-MC-8. Chemical Communications, 2010, 46, 6258.	2.2	19
85	A [13]rotaxane assembled via a palladium molecular capsule. Nature Communications, 2019, 10, 3720.	5.8	19
86	Targeting molecular quantum memory with embedded error correction. Chemical Science, 2021, 12, 9104-9113.	3.7	19
87	Varying spin state composition by the choice of capping ligand in a family of molecular chains: detailed analysis of magnetic properties of chromium(III) horseshoes. Dalton Transactions, 2011, 40, 2725.	1.6	18
88	Controlling magnetic communication through aromatic bridges by variation in torsion angle. Dalton Transactions, 2012, 41, 13626.	1.6	18
89	A hybrid organic-inorganic molecular daisy chain. Chemical Communications, 2015, 51, 11126-11129.	2.2	18
90	Binding CO ₂ by a Cr ₈ Metallacrown. Angewandte Chemie - International Edition, 2017, 56, 5527-5530.	7.2	18

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91	Electronic Structure of a Mixed-Metal Fluoride-Centered Triangle Complex: A Potential Qubit Component. <i>Inorganic Chemistry</i> , 2015, 54, 12019-12026.	1.9	16
92	Use of Supramolecular Assemblies as Lithographic Resists. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6749-6752.	7.2	16
93	Radio-frequency spectroscopy of the low-energy spectrum of the magnetic molecule $\text{Cr}(\text{C}_6\text{H}_5\text{N}_3)_2$. <i>Physical Review B</i> , 2009, 80, .	1.1	15
94	Single-crystal parallel-mode EPR spectroscopy of an $S=6$ ground-state transition-metal cluster. <i>Physical Review B</i> , 2004, 69, .	1.1	14
95	Inelastic neutron scattering studies on the odd-membered antiferromagnetic wheel Cr_8Ni . <i>Physical Review B</i> , 2012, 86, .	1.1	14
96	Hot injection thermolysis of heterometallic pivalate clusters for the synthesis of monodisperse zinc and nickel ferrite nanoparticles. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6781-6789.	2.7	14
97	Microstrip Resonators and Broadband Lines for X-band EPR Spectroscopy of Molecular Nanomagnets. <i>Applied Magnetic Resonance</i> , 2015, 46, 749-756.	0.6	14
98	Nanoscale Patterning of Zinc Oxide from Zinc Acetate Using Electron Beam Lithography for the Preparation of Hard Lithographic Masks. <i>ACS Applied Nano Materials</i> , 2021, 4, 406-413.	2.4	14
99	High-field magnetic properties of the magnetic molecule $\{\text{Cr}_{10}\text{Cu}_2\}$. <i>Physical Review B</i> , 2009, 79, .	1.1	13
100	Pressure versus Temperature Effects on Intramolecular Electron Transfer in Mixed-Valence Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 195-205.	1.7	13
101	Radiolytic splitting of water molecules in the presence of some supramolecular compounds. <i>Journal of the Serbian Chemical Society</i> , 2003, 68, 593-598.	0.4	13
102	Oxo-centered carboxylate-bridged trinuclear complexes deposited on Au(111) by a mass-selective electrospray. <i>New Journal of Chemistry</i> , 2011, 35, 1683.	1.4	12
103	Modification of the magnetic properties of a heterometallic wheel by inclusion of a Jahn-Teller distorted Cu(II) ion. <i>Dalton Transactions</i> , 2011, 40, 8533.	1.6	12
104	Studies of hybrid organic-inorganic [2] and [3]rotaxanes bound to Au surfaces. <i>Chemical Communications</i> , 2013, 49, 3404.	2.2	12
105	A Clock Transition in the Cr_7Mn Molecular Nanomagnet. <i>Magnetochemistry</i> , 2019, 5, 4.	1.0	12
106	Conformational Flexibility of Hybrid [3]- and [4]-Rotaxanes. <i>Journal of the American Chemical Society</i> , 2020, 142, 15941-15949.	6.6	12
107	Tuning the Performance of Negative Tone Electron Beam Resists for the Next Generation Lithography. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	12
108	Experimental charge density in an oxidized trinuclear iron complex using 15 K synchrotron and 100 K conventional single-crystal X-ray diffraction. <i>Dalton Transactions</i> , 2009, , 664-671.	1.6	10

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109	Effects of the Dzyaloshinskiiâ€Moriya interaction in Cr ₃ triangular spin clusters detected by specific heat and multi-frequency electron spin resonance. Dalton Transactions, 2015, 44, 14027-14033.	1.6	10
110	[CrF(O ₂ C ^t Bu) ₂] ₉ : Synthesis and Characterization of a Regular Homometallic Ring with an Odd Number of Metal Centers and Electrons. Angewandte Chemie, 2016, 128, 9002-9005.	1.6	10
111	The synthesis of a monodisperse quaternary ferrite (FeCoCrO ₄) from the hot injection thermolysis of the single source precursor [CrCoFeO(O ₂ C ^t Bu) ₆ (HO ₂ C ^t Bu) ₃]. Dalton Transactions, 2018, 47, 376-381.	1.6	10
112	Close Encounters of the Weak Kind: Investigations of Electronâ€Electron Interactions between Dissimilar Spins in Hybrid Rotaxanes. Journal of the American Chemical Society, 2019, 141, 14633-14642.	6.6	9
113	AF molecular rings for quantum computation. Polyhedron, 2005, 24, 2562-2567.	1.0	8
114	Metal distribution and disorder in the crystal structure of [NH ₂ Et ₂][Cr ₇ M ₁ F ₈ (^t BuCO ₂) ₁₆] wheel molecules for <i>M</i> = Mn, Fe, Co, Ni, Cu, Zn and Cd. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 932-941.	0.5	8
115	Heterodimers of heterometallic rings. Dalton Transactions, 2016, 45, 16610-16615.	1.6	8
116	Synthesis and reactions of N-heterocycle functionalised variants of heterometallic {Cr ₇ Ni} rings. Dalton Transactions, 2016, 45, 1638-1647.	1.6	8
117	Measuring Spinâ€Spin Interactions between Heterospins in a Hybrid [2]Rotaxane. Angewandte Chemie, 2017, 129, 3934-3937.	1.6	7
118	Use of Supramolecular Assemblies as Lithographic Resists. Angewandte Chemie, 2017, 129, 6853-6856.	1.6	7
119	Binding of halogens by a Cr ₈ metallacrown. Dalton Transactions, 2018, 47, 13771-13775.	1.6	7
120	Heterometallic 3dâ€4f Complexes as Air-Stable Molecular Precursors in Low Temperature Syntheses of Stoichiometric Rare-Earth Orthoferrite Powders. Inorganic Chemistry, 2020, 59, 15796-15806.	1.9	7
121	Structural and Magnetic Investigations of the Mixed-Valence Fe ^{I,III} Two-Dimensional Layer Complex, [Fe ^{II} Fe ^{III} (HCOO) ₁₀ (C ₆ H ₇ N) ₆] _n . ChemPhysChem, 2004, 5, 1755-1761.	1.0	6
122	Formation of an interlocked double-chain from an organicâ€inorganic [2]rotaxane. Chemical Communications, 2019, 55, 2960-2963.	2.2	6
123	Design and implementation of the next generation electron beam resists for the production of EUVL photomasks. , 2018, , .		6
124	Tetrakis(1/4-pivalato-2-Oâ€)bis[(2-methylpyridine-1-N)iron(II)](Feâ€Fe). Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m497-m497.	0.2	5
125	Binary behaviour of an oxidation-responsive MRI nano contrast agent. Chemical Communications, 2015, 51, 1074-1076.	2.2	5
126	An Extensive Family of Heterometallic Titanium(IV)â€Metal(III) Rings with Structure Control through Templates. Angewandte Chemie, 2017, 129, 13817-13820.	1.6	5

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127	How to probe the spin contribution to momentum relaxation in topological insulators. <i>Nature Communications</i> , 2018, 9, 56.	5.8	5
128	Comparison of spin dynamics and magnetic properties in antiferromagnetic closed and open molecular Cr-based rings. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 506001.	0.7	4
129	An extended framework of cages formed of pre-synthesised and functionalised heterometallic cages. <i>Chemical Communications</i> , 2015, 51, 3533-3536.	2.2	4
130	High temperature spin dynamics in linear magnetic chains, molecular rings, and segments by nuclear magnetic resonance. <i>Journal of Applied Physics</i> , 2015, 117, 17B308.	1.1	4
131	Binding CO ₂ by a Cr ₈ Metallacrown. <i>Angewandte Chemie</i> , 2017, 129, 5619-5622.	1.6	4
132	Hybrid Organic-Inorganic Rotaxanes, Including a Hetero-Hybrid [3]Rotaxane Featuring Two Distinct Heterometallic Rings and a Molecular Shuttle. <i>Angewandte Chemie</i> , 2018, 130, 11085-11088.	1.6	4
133	Reversible uptake of sulfur-containing gases by single crystals of a Cr ₈ metallacrown. <i>Dalton Transactions</i> , 2019, 48, 13184-13189.	1.6	3
134	Decorating polymer beads with 1014 inorganic-organic [2]rotaxanes as shown by spin counting. <i>Communications Chemistry</i> , 2022, 5, .	2.0	3
135	Diethanolaminiumcyclo-octa-1/42-fluoro-hexadeca-1/42-trimethylacetato-1/32O-hexachromium(III)nickel(II) ethyl acetate 0.5-solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, m1525-m1527.	0.2	2
136	Chromium chains as polydentate fluoride ligands for actinides and group IV metals. <i>Dalton Transactions</i> , 2018, 47, 6361-6369.	1.6	2
137	Single Ion Anisotropy of Cr ^{III} and Fe ^{III} in a Series of {Ti ₇ M} Rings. <i>Applied Magnetic Resonance</i> , 2020, 51, 1251-1265.	0.6	2
138	Gold(III) bridged dimeric and trimeric heterometallic {Cr ₇ Ni}-based qubit systems and their characterization. <i>Dalton Transactions</i> , 2021, 50, 4390-4395.	1.6	2
139	The Synthesis and Characterisation of a Molecular Sea-Serpent: Studies of a {Cr ₂₄ Cu ₇ } Chain. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9489-9492.	7.2	2
140	Single Isomer Heterometallic {Cr ^{III} ₆ M ^{II} ₂ } Rings Templated by Tetramethylammonium. <i>Inorganic Chemistry</i> , 2021, 60, 15675-15685.	1.9	2
141	Synthesis and Structural, Magnetic and EPR Characterization of Discrete Finite Antiferromagnetic Chains. <i>Applied Magnetic Resonance</i> , 2010, 37, 685-692.	0.6	1
142	The Synthesis and Characterisation of a Molecular Sea-Serpent: Studies of a {Cr ₂₄ Cu ₇ } Chain. <i>Angewandte Chemie</i> , 2021, 133, 9575-9578.	1.6	1
143	Cover Picture: Linking Rings through Diamines and Clusters: Exploring Synthetic Methods for Making Magnetic Quantum Gates (<i>Angew. Chem. Int. Ed.</i> 40/2005). <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6427-6427.	7.2	0
144	Large Zero-Field Splittings of the Ground Spin State Arising from Antisymmetric Exchange Effects in Heterometallic Triangles (<i>Angew. Chem.</i> 21/2014). <i>Angewandte Chemie</i> , 2014, 126, 5578-5578.	1.6	0

#	ARTICLE	IF	CITATIONS
145	Sensitivity enhancement of a high-resolution negative-tone nonchemically amplified metal organic photoresist for extreme ultraviolet lithography. Journal of Micro-nanopatterning, Materials, and Metrology, 2022, 21, .	0.4	0
146	New Homometallic Octanuclear Chromium(III) Rings. Chemistry Journal of Moldova, 2022, 17, 9-17.	0.3	0