

Jesper Bendix

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7781771/jesper-bendix-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

167
papers

4,847
citations

37
h-index

63
g-index

181
ext. papers

5,385
ext. citations

7.2
avg, IF

5.56
L-index

#	Paper	IF	Citations
167	Single-molecule magnet engineering: building-block approaches. <i>Chemical Communications</i> , 2014 , 50, 4396-415	5.8	237
166	A low-spin Fe(III) complex with 100-ps ligand-to-metal charge transfer photoluminescence. <i>Nature</i> , 2017 , 543, 695-699	50.4	205
165	High-Valent Manganese Corroles and the First Perhalogenated Metalloporphyrin Catalyst. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2132-2134	16.4	168
164	Design of Single-Molecule Magnets: Insufficiency of the Anisotropy Barrier as the Sole Criterion. <i>Inorganic Chemistry</i> , 2015 , 54, 7600-6	5.1	158
163	Toward Molecular 4f Single-Ion Magnet Qubits. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5801-5804	14.4	156
162	Luminescence and reactivity of a charge-transfer excited iron complex with nanosecond lifetime. <i>Science</i> , 2019 , 363, 249-253	33.3	155
161	Structural, Electrochemical, and Photophysical Properties of Gallium(III) 5,10,15-Tris(pentafluorophenyl)porphyrin. We acknowledge support of this research from the Fund for the Promotion of Research at the Technion (Z.G.), the National Science Foundation (H.B.G.), and the Danish Natural Science Research Council for financial support under grant No. 9800549 (J.B.). We	16.4	147
160	Electrical manipulation of spin states in a single electrostatically gated transition-metal complex. <i>Nano Letters</i> , 2010 , 10, 105-109	11.5	145
159	Modifying the properties of 4f single-ion magnets by peripheral ligand functionalisation. <i>Chemical Science</i> , 2014 , 5, 1650-1660	9.4	144
158	Accurate empirical spin-orbit coupling parameters ζ_{nd} for gaseous ndq transition metal ions. The parametrical multiplet term model. <i>Inorganic Chemistry</i> , 1993 , 32, 2838-2849	5.1	122
157	[ReF(6)](2-) : a robust module for the design of molecule-based magnetic materials. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 1351-4	16.4	91
156	Nitridocyanometalates of CrV, MnV, and MnVI. <i>Inorganic Chemistry</i> , 1998 , 37, 1767-1775	5.1	90
155	Fluoride bridges as structure-directing motifs in 3d-4f cluster chemistry. <i>Inorganic Chemistry</i> , 2012 , 51, 5435-43	5.1	83
154	Nitridomanganese(V) and -(VI) Complexes Containing Macrocyclic Amine Ligands. <i>Journal of the American Chemical Society</i> , 1998 , 120, 7260-7270	16.4	81
153	Fluoride-bridged {Gd(III) ₃ M(III) ₂ } (M = Cr, Fe, Ga) molecular magnetic refrigerants. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2394-7	16.4	76
152	Enhancing the blocking temperature in single-molecule magnets by incorporating 3d-5d exchange interactions. <i>Chemistry - A European Journal</i> , 2010 , 16, 13458-64	4.8	74
151	Direct observation of a ferri-to-ferromagnetic transition in a fluoride-bridged 3d ⁴ f molecular cluster. <i>Chemical Science</i> , 2012 , 3, 1024-1032	9.4	70

150	Ruthenium Complexes Containing "Noninnocent" o-Benzoquinone Diimine/o-Phenylenediamide(2-) Ligands. Synthesis and Crystal Structure of the Nitrido-Bridged Complex $[\{LRu(o-C(6)H(4)(NH(2)))(2)(\&mgr;-N)\}(PF(6))(2).3CH(3)CN.C(6)H(5)CH(3)]$. <i>Inorganic Chemistry</i> , 1998 , 37, 35-43	5.1	69
149	High-field (high-frequency) EPR spectroscopy and structural characterization of a novel manganese(III) corrole. <i>Chemical Communications</i> , 2000 , 1957-1958	5.8	64
148	Molecular and Electronic Structure of Nitridochromium(V) Complexes with Macrocyclic Amine Ligands. <i>Inorganic Chemistry</i> , 1998 , 37, 5180-5188	5.1	61
147	High-Field, Multifrequency EPR Study of the Vanadium(III) Hexaqua Cation. <i>Inorganic Chemistry</i> , 1999 , 38, 5928-5929	5.1	61
146	Three-axis anisotropic exchange coupling in the single-molecule magnets $NEt_4[Mn(III)2(5-Brsalen)2(MeOH)2M(III)(CN)_6]$ (M=Ru, Os). <i>Chemistry - A European Journal</i> , 2013 , 19, 3693-701	4.8	60
145	Selective mannosylation with a 4,6-silylene-tethered thiomannosyl donor. <i>Organic Letters</i> , 2014 , 16, 1116-9	6.2	59
144	Atom transfer as a preparative tool in coordination chemistry. Synthesis and characterization of Cr(V) nitrido complexes of bidentate ligands. <i>Inorganic Chemistry</i> , 2003 , 42, 7608-15	5.1	56
143	Chemical tunnel-splitting-engineering in a dysprosium-based molecular nanomagnet. <i>Nature Communications</i> , 2018 , 9, 1292	17.4	53
142	Platinum corroles. <i>Chemical Communications</i> , 2014 , 50, 11093-6	5.8	53
141	$[Cr(N)Cl_4]^{2-}$: a simple nitrido complex synthesized by nitrogen-atom transfer. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13348-9	16.4	52
140	Molecular and electronic structure of nitridocyanometalates of chromium(V) and manganese(V): a combined experimental and DFT study. <i>Inorganic Chemistry</i> , 2000 , 39, 930-8	5.1	50
139	Polarized X-ray absorption spectroscopy of single-crystal Mn(V) complexes relevant to the oxygen-evolving complex of photosystem II. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12989-3000	16.4	48
138	A linear single-molecule magnet based on $[Ru(III)(CN)_6]^{3-}$. <i>Chemical Communications</i> , 2011 , 47, 6918-20	5.8	47
137	Single-ion anisotropy and exchange interactions in the cyano-bridged trimers $Mn^{III}2M^{III}(CN)_6$ (M ^{III} = Co, Cr, Fe) species incorporating $[Mn(5-Brsalen)]^+$ units: an inelastic neutron scattering and magnetic susceptibility study. <i>Inorganic Chemistry</i> , 2009 , 48, 128-37	5.1	47
136	Frequency-domain Fourier-transform terahertz spectroscopy of the single-molecule magnet $(NEt_4)[Mn_2(5-Brsalen)2(MeOH)2Cr(CN)_6]$. <i>Chemistry - A European Journal</i> , 2011 , 17, 7492-8	4.8	46
135	Dual-Function Cobalt-Nickel Nanoparticles Tailored for High-Temperature Induction-Heated Steam Methane Reforming. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10569-10573	16.4	44
134	Fluoride-coordination chemistry in molecular and low-dimensional magnetism. <i>Coordination Chemistry Reviews</i> , 2015 , 299, 1-21	23.2	43
133	Delocalization and Valence Tautomerism in Vanadium Tris(iminosemiquinone) Complexes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2748-52	16.4	41

132	Fluoride-bridged {Ln ₂ Cr ₂ } polynuclear complexes from semi-labile mer-[CrF ₃ (py) ₃] and [Ln(hfac) ₃ (H ₂ O) ₂]. <i>Dalton Transactions</i> , 2012 , 41, 11284-92	4.3	41
131	Anisotropic valence-core x-ray fluorescence from a [Rh(en) ₃][Mn(N)(CN) ₅]·H ₂ O single crystal: Experimental results and density functional calculations. <i>Journal of Chemical Physics</i> , 2002 , 116, 2011-2019	3.9	38
130	Imposing high-symmetry and tuneable geometry on lanthanide centres with chelating Pt and Pd metalloligands. <i>Chemical Science</i> , 2017 , 8, 3566-3575	9.4	36
129	Mixed valence radical cations and intermolecular complexes derived from indenofluorene-extended tetrathiafulvalenes. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 10428-10438	7.1	36
128	Carbide complexes as acceptor ligands. <i>Chemical Science</i> , 2015 , 6, 5815-5823	9.4	34
127	High-Valent Manganese Corroles and the First Perhalogenated Metallocorrole Catalyst. <i>Angewandte Chemie</i> , 2001 , 113, 2190-2192	3.6	33
126	Iridates from the molecular side. <i>Nature Communications</i> , 2016 , 7, 12195	17.4	33
125	Exchange interaction of strongly anisotropic tripodal erbium single-ion magnets with metallic surfaces. <i>ACS Nano</i> , 2014 , 8, 4662-71	16.7	32
124	Magnetic Anisotropy in the [CuII TbIII(hfac) ₂] ₂ Single Molecule Magnet: Experimental Study and Theoretical Modeling. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 8573-8582	3.8	32
123	Valence-to-core-detected X-ray absorption spectroscopy: targeting ligand selectivity. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10076-84	16.4	31
122	Synthesis and characterization of a neutral titanium tris(iminosemiquinone) complex featuring redox-active ligands. <i>Inorganic Chemistry</i> , 2012 , 51, 7457-9	5.1	31
121	Isolation and molecular structure of hexacyanoruthenate(III). <i>Inorganic Chemistry</i> , 2003 , 42, 4510-2	5.1	30
120	Angular dependence of the exchange interaction in fluoride-bridged Gd(III)-Cr(III) complexes. <i>Chemical Communications</i> , 2013 , 49, 5583-5	5.8	29
119	Delivering carbide ligands to sulfide-rich clusters. <i>Chemical Communications</i> , 2016 , 52, 2015-8	5.8	29
118	A ligand-field study of the ground spin-state magnetic anisotropy in a family of hexanuclear Mn(III) single-molecule magnets. <i>Dalton Transactions</i> , 2008 , 2277-84	4.3	28
117	Confluence of disparate carbido chemistries: [WRuAu(FC)Cl(CO)(PCy)(Tp*)]. <i>Dalton Transactions</i> , 2018 , 47, 14893-14896	4.3	28
116	Weakening of Carbide-Platinum Bonds as a Probe for Ligand Donor Strengths. <i>Inorganic Chemistry</i> , 2017 , 56, 12492-12497	5.1	27
115	Magnetic properties of ultra-small goethite nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 365003	3	27

114	Electronic Structure of Cobalt-Corrole-Pyridine Complexes: Noninnocent Five-Coordinate Co(II) Corrole-Radical States. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 9589-9598	2.8	27
113	Synthesis, Characterization, and Reactivity of PCN Pincer Nickel Complexes. <i>Organometallics</i> , 2018 , 37, 2581-2593	3.8	26
112	Magnetic properties of a manganese(III) Chain with monoatomic bridges: catena-MnF(salen). <i>Inorganic Chemistry</i> , 2011 , 50, 5312-4	5.1	26
111	Structural, electronic, and magnetic properties of quasi-1D quantum magnets [Ni(HF ₂)(pyz) ₂] _x (pyz = pyrazine; X = PF ₆ ⁻ , SbF ₆ ⁻) exhibiting Ni-FHF-Ni and Ni-pyz-Ni spin interactions. <i>Inorganic Chemistry</i> , 2011 , 50, 5990-6009	5.1	26
110	Multifaceted magnetization dynamics in the mononuclear complex [ReCl(CN)]. <i>Chemical Communications</i> , 2016 , 52, 12905-12908	5.8	24
109	X-ray magnetic circular dichroism (XMCD) study of a methoxide-bridged Dy(III)-Cr(III) cluster obtained by fluoride abstraction from cis-[Cr(III)F ₂ (phen) ₂](+). <i>Journal of Physical Chemistry A</i> , 2012 , 116, 7842-7	2.8	23
108	Kohn-Sham DFT results projected on ligand-field models: Using DFT to supplement ligand-field descriptions and to supply ligand-field parameters. <i>Coordination Chemistry Reviews</i> , 2009 , 253, 575-593	23.2	23
107	Out-of-Plane Alignment of Er(trensal) Easy Magnetization Axes Using Graphene. <i>ACS Nano</i> , 2016 , 10, 2887-92	16.7	22
106	Synthons for carbide complex chemistry. <i>Chemical Communications</i> , 2018 , 54, 5708-5711	5.8	22
105	Alkali metal cation complexation and solvent interactions by robust chromium(III) fluoride complexes. <i>Journal of Fluorine Chemistry</i> , 2010 , 131, 898-906	2.1	22
104	Magnetic Anisotropy Switch: Easy Axis to Easy Plane Conversion and Vice Versa. <i>Advanced Functional Materials</i> , 2018 , 28, 1801846	15.6	22
103	Synthesis and Characterization of a Stable trans-Dioxo Tungsten(IV) Complex and Series of Mono-Oxo Molybdenum(IV) and Tungsten(IV) Complexes. Structural and Electronic Effects of pi-Bonding in trans-[M(O)(X)(dppe) ₂](+/0) Systems. <i>Inorganic Chemistry</i> , 1998 , 37, 5992-6001	5.1	21
102	Lanthanide coordination complexes framed by sodium ions: slow relaxation of the magnetization in the Dy(III) derivative. <i>Dalton Transactions</i> , 2017 , 46, 6024-6030	4.3	19
101	[ReF ₆] ₂ A Robust Module for the Design of Molecule-Based Magnetic Materials. <i>Angewandte Chemie</i> , 2014 , 126, 1375-1378	3.6	19
100	Heterobimetallic nitride complexes from terminal chromium(V) nitride complexes: hyperfine coupling increases with distance. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4480-3	16.4	19
99	Separation and identification of the selenium-sulfur amino acid S-(methylseleno)cysteine in intestinal epithelial cell homogenates by LC-ICP-MS and LC-ESI-MS after incubation with methylseleninic acid. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 727	3.7	19
98	An average-of-configuration method for using Kohn-Sham density functional theory in modeling ligand-field theory. <i>Inorganic Chemistry</i> , 2003 , 42, 4088-97	5.1	19
97	Electronic Raman transitions from the vanadium(III) hexa-aqua cation, in guanidinium vanadium sulphate. <i>Chemical Physics Letters</i> , 2001 , 337, 391-397	2.5	19

96	Ligand Sphere Conversions in Terminal Carbide Complexes. <i>Organometallics</i> , 2016 , 35, 100-105	3.8	18
95	Characterisation of the rare cadmium chromate pigment in a 19th century tube colour by Raman, FTIR, X-ray and EPR. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 175, 208-214	4.4	18
94	Field-induced single-molecule magnet behavior in ideal trigonal antiprismatic cobalt(ii) complexes: precise geometrical control by a hydrogen-bonded rigid metalloligand. <i>Chemical Communications</i> , 2018 , 54, 8869-8872	5.8	18
93	[Ni(HF ₂)(3-Clpy) ₄]BF ₄ (py = pyridine): evidence for spin exchange along strongly distorted F—H—F-bridges in a one-dimensional polymeric chain. <i>Inorganic Chemistry</i> , 2012 , 51, 7520-8	5.1	18
92	On the analysis of magnetization and Mössbauer data for ferritin. <i>Nanotechnology</i> , 2008 , 19, 315712	3.4	17
91	Coordination-induced spin-state change in manganese(V) complexes: the electronic structure of manganese(V) nitrides. <i>Inorganic Chemistry</i> , 2015 , 54, 3562-72	5.1	16
90	[OsF ₆] ⁻ : Molecular Models for Spin-Orbit Entangled Phenomena. <i>Chemistry - A European Journal</i> , 2017 , 23, 11244-11248	4.8	16
89	[Cr(N)(acac) ₂]: A simple chromium nitride complex and its reactivity towards late transition metals. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 719-721	3.1	16
88	Antiferromagnetism in a Family of S = 1 Square Lattice Coordination Polymers NiX ₂ (pyz) ₂ (X = Cl, Br, I, NCS; pyz = Pyrazine). <i>Inorganic Chemistry</i> , 2016 , 55, 3515-29	5.1	15
87	Oxo-bridged dinuclear chromium(III) complexes: correlation between the optical and magnetic properties and the basicity of the oxo bridge. <i>Inorganic Chemistry</i> , 2014 , 53, 2996-3003	5.1	15
86	Influence of HF ₂ ⁻ geometry on magnetic interactions elucidated from polymorphs of the metal-organic framework [Ni(HF ₂)(pyz) ₂]PF ₆ (pyz = pyrazine). <i>Dalton Transactions</i> , 2012 , 41, 7235-43	4.3	15
85	Frozen-solution magnetisation dynamics of hexanuclear oxime-based Mn(III) Single-Molecule Magnets. <i>Chemical Science</i> , 2010 , 1, 631	9.4	15
84	Molecular and electronic structure of chromium(V) nitrido complexes with azide and isothiocyanate ligands. <i>Dalton Transactions</i> , 2005 , 2737-41	4.3	15
83	Mimicking the two-dimensional spectrochemical series using density functional computations. <i>Inorganic Chemistry</i> , 2004 , 43, 7882-6	5.1	15
82	Dual-Function Cobalt-Nickel Nanoparticles Tailored for High-Temperature Induction-Heated Steam Methane Reforming. <i>Angewandte Chemie</i> , 2018 , 130, 10729-10733	3.6	15
81	Magnetic interactions through fluoride: magnetic and spectroscopic characterization of discrete, linearly bridged [Mn(III) ₂ (F) ₄ (Me ₃ tacn) ₂](PF ₆). <i>Inorganic Chemistry</i> , 2014 , 53, 5013-9	5.1	14
80	Fluoride-Bridged {Gd(III) ₃ M(III) ₂ } (M=Cr, Fe, Ga) Molecular Magnetic Refrigerants. <i>Angewandte Chemie</i> , 2014 , 126, 2426-2429	3.6	13
79	Synthesis, Characterisation and Modelling of a Ferromagnetically Coupled Chromium(III) Dimer: Di-hydroxobis[tetrakis(isothiocyanato)chromate(III)]. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 5990-5996	2.3	13

78	Relativistic DFT Calculations of Hyperfine Coupling Constants in 5d Hexafluorido Complexes: [ReF] and [IrF]. <i>Chemistry - A European Journal</i> , 2018 , 24, 5124-5133	4.8	13
77	Control of the third dimension in copper-based square-lattice antiferromagnets. <i>Physical Review B</i> , 2016 , 93,	3.3	12
76	Stabilizing coordinated radicals via metal-ligand covalency: a structural, spectroscopic, and theoretical investigation of group 9 tris(dithiolene) complexes. <i>Inorganic Chemistry</i> , 2015 , 54, 3660-9	5.1	12
75	Superhyperfine Interaction in [MnF ₆] ³⁻ . <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 148-50	16.4	12
74	An Approach to Carbide-Centered Cluster Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 4812-4819	5.1	11
73	Quantifying magnetic exchange in doubly-bridged Cu-X(2)-Cu (X = F, Cl, Br) chains enabled by solid state synthesis of CuF(2)(pyrazine). <i>Chemical Communications</i> , 2013 , 49, 3558-60	5.8	11
72	Pressure-dependent luminescence spectroscopy of molybdenum(IV) oxo complexes. <i>Dalton Transactions</i> , 2010 , 39, 3695-705	4.3	11
71	Partial charges as reactivity descriptors for nitrido complexes. <i>Computational and Theoretical Chemistry</i> , 2009 , 913, 1-7		11
70	Quantitative formulation of ligand field theory by the use of orthonormal operators. Exemplification by means of pq systems. <i>Coordination Chemistry Reviews</i> , 1989 , 94, 181-241	23.2	11
69	Stability of magnetic LDH composites used for phosphate recovery. <i>Journal of Colloid and Interface Science</i> , 2020 , 580, 660-668	9.3	11
68	Electrophilic Activation of Osmium-Nitrido Corroles: The OsN Triple Bond as a π -Acceptor Metallaligand in a Heterobimetallic OsN-Pt Complex. <i>Inorganic Chemistry</i> , 2020 , 59, 5276-5280	5.1	10
67	Probing Effective Hamiltonian Operators by Single-Crystal EPR: A Case Study Using Dinuclear Cr(III) Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 1453-60	5.1	10
66	Modification of π -Donor Properties of Terminal Carbide Ligands Investigated Through Carbide-Iodine Adduct Formation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12484-7	16.4	9
65	Effective cleaning of rust stained marble. <i>Heritage Science</i> , 2016 , 4,	2.5	9
64	A versatile dinucleating ligand containing sulfonamide groups. <i>Inorganic Chemistry</i> , 2014 , 53, 2873-82	5.1	9
63	Magnetic interactions in oxide-bridged dichromium(III) complexes. Computational determination of the importance of non-bridging ligands. <i>Inorganica Chimica Acta</i> , 2013 , 396, 72-77	2.7	9
62	Computationally inexpensive interpretation of magnetic data for finite spin clusters. <i>Dalton Transactions</i> , 2010 , 39, 4882-5	4.3	9
61	In-Depth Magnetic Characterization of a [2 \times 2] Mn(III) Square Grid Using SQUID Magnetometry, Inelastic Neutron Scattering, and High-Field Electron Paramagnetic Resonance Spectroscopy. <i>Inorganic Chemistry</i> , 2016 , 55, 10377-10382	5.1	9

60	One-dimensional coordination polymers of $[\text{Co}_3(\text{dpa})_4]^{2+}$ and $[\text{MF}_6]^{2-}$ ($\text{M} = \text{Re}(\text{IV}), \text{Zr}(\text{IV})$ and $\text{Sn}(\text{IV})$). <i>Chemical Communications</i> , 2015 , 51, 17748-51	5.8	8
59	A Stable Homoleptic Organometallic Iron(IV) Complex. <i>Chemistry - A European Journal</i> , 2020 , 26, 12728-12832	4.3	8
58	Zero-Field Splitting in $\{\text{MnIII}(\beta\text{-O})\}$ Core Single-Molecule Magnets Investigated by Inelastic Neutron Scattering and High-Field Electron Paramagnetic Resonance Spectroscopy. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 2683-2689	2.3	8
57	Metalloporphyrin dendrimers: sensitive porphyrin-chromium(V)-nitride spin probes for studying the solution structure of dendrimers. <i>Inorganic Chemistry</i> , 2011 , 50, 5867-9	5.1	8
56	Fitting of EPR spectra: the importance of a flexible bandwidth. <i>Journal of Magnetic Resonance</i> , 2010 , 207, 283-6	3	8
55	Synthesis of $\text{trans-}[\text{Mo}(\text{O})(\text{F})(\text{dppe})_2](\text{BF}_4)$, $\text{trans-}[\text{Mo}(\text{O})(\text{OH})(\text{dppe})_2](\text{ClO}_4)$, and $\text{trans-}[\text{Mo}(\text{O})_2(\text{dppe})_2] \cdot 2\text{L}$ ($\text{L} = \text{H}_2\text{O}, \text{CH}_3\text{OH}, \text{CH}_3\text{CH}_2\text{OH}, \text{CH}_3\text{CHOHCH}_3$). Crystal Structure of $\text{trans-}[\text{Mo}(\text{O})_2(\text{dppe})_2] \cdot 2\text{CH}_3\text{OH}$. <i>Inorganic Chemistry</i> , 1997 , 36, 2702-2703	5.1	8
54	The dependence of the spin-Hamiltonian parameters of the $[\text{Ti}(\text{OH}_2)_6]^{3+}$ cation on the mode of water co-ordination. <i>Chemical Physics</i> , 2002 , 282, 245-263	2.3	8
53	cis-Difluoridobis(1,10-phenanthroline)chromium(III) perchlorate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, m369-70		8
52	Rational Self-Assembly of Tricobalt Extended Metal Atom Chains and $[\text{MF}_6]^{2-}$ Building Blocks into One-Dimensional Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 320-325	2.3	8
51	Platinum(II) as an assembly point for carbide and nitride ligands. <i>Chemical Communications</i> , 2019 , 55, 8270-8273	5.8	7
50	Synthesis and X-ray crystal structure of a novel organometallic (β -oxido)(β -imido) trinuclear iridium complex. <i>Dalton Transactions</i> , 2011 , 40, 4212-6	4.3	7
49	Elucidation of Ligand-Field Theory. Reformulation and Revival by Density Functional Theory. <i>Structure and Bonding</i> , 2004 , 207-301	0.9	7
48	The Mixed-Valent (β -Nitrido)dimanganese Complex Anion $[(\text{CN})_5\text{MnV}(\beta\text{-N})\text{MnII}(\text{CN})_5]^{6-}$. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2766-2768	16.4	7
47	Oxidation States and d q Configurations in Inorganic Chemistry. <i>ACS Symposium Series</i> , 1994 , 213-225	0.4	7
46	High-Valent Manganese Porphyrins and the First Perhalogenated Metalloporphyrin Catalyst 2001 , 40, 2132		7
45	The Multiple Faces, and Phases, of Magnetic Anisotropy. <i>Inorganic Chemistry</i> , 2019 , 58, 11875-11882	5.1	6
44	A study of stearyl alcohol bloom on Dan Hill PVC dolls and the influence of temperature. <i>Studies in Conservation</i> , 2017 , 62, 445-455	0.6	6
43	MnIII zero-field splitting parameters and weak exchange interactions in a cyanide-bridged $\{\text{MnIII}(\beta\text{-N})\text{MnIII}\}$ cluster. <i>Inorganic Chemistry Communication</i> , 2012 , 24, 24-28	3.1	6

42	Importance of Axial Symmetry in Elucidating Lanthanide-Transition Metal Interactions. <i>Inorganic Chemistry</i> , 2020 , 59, 235-243	5.1	6
41	Delocalization and Valence Tautomerism in Vanadium Tris(iminosemiquinone) Complexes. <i>Angewandte Chemie</i> , 2016 , 128, 2798-2802	3.6	6
40	Single crystal X-ray structure of the artists pigment zinc yellow. <i>Journal of Molecular Structure</i> , 2017 , 1141, 322-327	3.4	5
39	XMCD study of the magnetic exchange coupling in a fluoride-bridged Dy-Cr molecular cluster. <i>Journal of the Korean Physical Society</i> , 2013 , 62, 1368-1371	0.6	5
38	An oxide-bridged Dy ₂ ReV ₂ Dy single-molecule magnet. <i>Polyhedron</i> , 2012 , 46, 47-52	2.7	5
37	Electronic and molecular structure of [Cr(N)(NCO) ₄] ₂ the first example of a mixed nitridecyanate complex. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 251-253	3.1	5
36	cyclo-Tetra-Fluorido-1:2F;2:3F;3:4F;1:4F-octa-nitrato-1D,OMD,OMtetra-kis-(1,10-phenanthroline)-2N,NM,N,NM,2,4-dichromomethanol tetra-solvate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011 , 67, m1561-2		5
35	cis-Aqua-bis(2,2-bipyridine-N,N)fluoridochromium(III) bis-(perchlorate) dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010 , 66, m121-2		5
34	Bimetallic MOFs (HO)[Cu(MF)(pyrazine)] _{4-x} HO (M = V, x = 0; M = Ga, x = 1): co-existence of ordered and disordered quantum spins in the V system. <i>Chemical Communications</i> , 2016 , 52, 12653-12656	5.8	5
33	Descriptors of magnetic anisotropy revisited. <i>Chemical Communications</i> , 2018 , 54, 12163-12166	5.8	5
32	Enhancing easy-plane anisotropy in bespoke Ni(II) quantum magnets. <i>Polyhedron</i> , 2020 , 180, 114379	2.7	4
31	Kohn-Sham DFT and ligand-field theory Is there a synergy?. <i>Canadian Journal of Chemistry</i> , 2009 , 87, 1302-1312	0.9	4
30	Pentaaquaovanadium(IV) bis(trifluoromethanesulfonate). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007 , 63, m51-3		4
29	Outer sphere coordination chemistry: Unusual six-coordinate silver(I) complexes with tri-halideIridium(III) complexes as ligands. <i>Inorganic Chemistry Communication</i> , 2015 , 60, 61-64	3.1	3
28	Experimental Aspects of Lanthanide Single-Molecule Magnet Physics 2015 , 125-152		3
27	Inelastic neutron scattering study of the anisotropic S=1 spin chain [Ni(HF ₂)(3-pyridine) ₄]BF ₄ . <i>Physical Review B</i> , 2020 , 101,	3.3	3
26	Effective cleaning of copper stained calcareous stone. <i>Heritage Science</i> , 2016 , 4,	2.5	3
25	[UF] : A Molecular Hexafluorido Actinide(IV) Complex with Compensating Spin and Orbital Magnetic Moments. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15650-15654	16.4	3

24	Bridging Kohn - Sham DFT and the Angular Overlap Model. Ligand-Field Parameters and Bond Covalencies in Tetrahedral Complexes. <i>Australian Journal of Chemistry</i> , 2009 , 62, 1271	1.2	3
23	The trans influence in mer-trichloronitridobis(triphenylarsine)ruthenium(VI). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, m342-4		3
22	Transition Metal Carbide Complexes. <i>Chemical Reviews</i> , 2021 ,	68.1	3
21	Formation of zinc oxalate from zinc white in various oil binding media: the influence of atmospheric carbon dioxide by reaction with $^{13}\text{CO}_2$. <i>Heritage Science</i> , 2020 , 8,	2.5	3
20	Importance of Relativistic Effects for Carbon as an NMR Reporter Nucleus in Carbide-Bridged [RuCPT] Complexes. <i>Organometallics</i> , 2021 , 40, 1443-1453	3.8	3
19	High-valent isocyanide complexes. Coexistence of strong σ -donor and formal π -acceptor ligands in chromium(V) nitride complexes. <i>Journal of Molecular Structure</i> , 2013 , 1039, 107-112	3.4	2
18	Heterobimetallic Nitride Complexes from Terminal Chromium(V) Nitride Complexes: Hyperfine Coupling Increases with Distance. <i>Angewandte Chemie</i> , 2011 , 123, 4572-4575	3.6	2
17	Synthesis and molecular structure of Cr(salen)(μ -N)RhCl(COD): the first example of a heterobimetallic nitride-bridged complex containing chromium. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010 , 66, m177-9		2
16	Diastereoisomeric η^5 -ethyl aspartate-cobalt(III) complexes: (\pm) -578- and (\mp) -578-bis(ethane-1,2-diamine)[η^5 -ethyl (S)-aspartato]cobalt(III) bis(perchlorate) monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010 , 66, m319-22		2
15	Das gemischtvalente (ENitrido)dimangan-Anion $[(\text{CN})_5\text{MnV}(\text{N})\text{MnII}(\text{CN})_5]^{6-}$ <i>Angewandte Chemie</i> , 1999 , 111, 2932-2935	3.6	2
14	Island formation of Er(trensall) single-ion magnets on graphene observed on the micrometer scale.. <i>RSC Advances</i> , 2021 , 11, 9421-9425	3.7	2
13	Chiral, Heterometallic Lanthanide-Transition Metal Complexes by Design. <i>Inorganics</i> , 2018 , 6, 72	2.9	2
12	Electro-mechanically switchable hydrocarbons based on [8]annulenes.. <i>Nature Communications</i> , 2022 , 13, 860	17.4	2
11	Stereoretentive formylation of (S)-proline: new application of the self-regeneration of stereo-centres (SRS) principle via chelation to cobalt(III). <i>Dalton Transactions</i> , 2015 , 44, 18438-46	4.3	1
10	Highly stereoselective, cobalt(III)-directed Mannich additions in water yielding β -methylamino acid products. <i>Dalton Transactions</i> , 2013 , 42, 292-8	4.3	1
9	Synthesis, characterization, and magnetic properties of tetracyanonitridochromates. <i>Polyhedron</i> , 2003 , 22, 2515-2520	2.7	1
8	Enhancing the Stability of Aromatic PCN Pincer Nickel Complexes by Incorporation of Pyridine as the Nitrogen Side Arm. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 4270-4277	2.3	1
7	Bis[S-6-(2,2:6,2'-dimethylterpyridin-4-yl)oxy]hexyl thioacetate]manganese(II) bis(hexafluorophosphate). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009 , 65, m14-6		0

- 6 Terminal Ligand and Packing Effects on Slow Relaxation in an Isostructural Set of [Dy(H dapp)X] Single Molecule Magnets*. *Chemistry - A European Journal*, **2021**, 27, 15085-15094 4.8 o
- 5 Modification of σ -Donor Properties of Terminal Carbide Ligands Investigated Through Carbide-bdine Adduct Formation. *Angewandte Chemie*, **2016**, 128, 12672-12675 3.6
- 4 [UF₆]₂ A Molecular Hexafluorido Actinide(IV) Complex with Compensating Spin and Orbital Magnetic Moments. *Angewandte Chemie*, **2019**, 131, 15797-15801 3.6
- 3 R̄ktitelbild: [UF₆]₂ A Molecular Hexafluorido Actinide(IV) Complex with Compensating Spin and Orbital Magnetic Moments (Angew. Chem. 44/2019). *Angewandte Chemie*, **2019**, 131, 16084-16084 3.6
- 2 Bis(tetraphenylphosphonium) tetra-cyanido-nitridochromate(V) dihydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, m227-8
- 1 Two square-pyramidal chromium(V)-nitride complexes: bis(2-methylquinolin-8-olato)nitridochromium(V) and nitridobis(2-sulfidopyridine N-oxide)chromium(V). *Acta Crystallographica Section C: Crystal Structure Communications*, **2005**, 61, m231-3