

Joris van Slageren

List of Publications by Year in descending order

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210
papers

9,462
citations

38720

50
h-index

46771

89
g-index

222
all docs

222
docs citations

222
times ranked

7305
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving f-element single molecule magnets. <i>Chemical Society Reviews</i> , 2015, 44, 6655-6669.	18.7	699
2	Polyoxometalates: Fascinating structures, unique magnetic properties. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2315-2327.	9.5	508
3	A four-coordinate cobalt(II) single-ion magnet with coercivity and a very high energy barrier. <i>Nature Communications</i> , 2016, 7, 10467.	5.8	374
4	A delocalized arene-bridged diuranium single-molecule magnet. <i>Nature Chemistry</i> , 2011, 3, 454-460.	6.6	299
5	Room temperature quantum coherence in a potential molecular qubit. <i>Nature Communications</i> , 2014, 5, 5304.	5.8	265
6	A linear cobalt(II) complex with maximal orbital angular momentum from a non-Aufbau ground state. <i>Science</i> , 2018, 362, .	6.0	254
7	Direct measurement of dysprosium(III) $\ddot{E}^{\text{TM}}\ddot{E}^{\text{TM}}\ddot{E}^{\text{TM}}$ dysprosium(III) interactions in a single-molecule magnet. <i>Nature Communications</i> , 2014, 5, 5243.	5.8	223
8	Gd-Based Single-Ion Magnets with Tunable Magnetic Anisotropy: Molecular Design of Spin Qubits. <i>Physical Review Letters</i> , 2012, 108, 247213.	2.9	199
9	Magnetic Anisotropy of the Antiferromagnetic Ring [Cr ₈ F ₈ Piv ₁₆]. <i>Chemistry - A European Journal</i> , 2002, 8, 277-285.	1.7	194
10	Direct Observation of Quantum Coherence in Single-Molecule Magnets. <i>Physical Review Letters</i> , 2008, 101, 147203.	2.9	178
11	The Electronic Structure of the Isoelectronic, Square-Planar Complexes [Fe(L) ₂] ₂ - and [Co(III)(L _{Bu}) ₂](L ₂ - and (L _{Bu}) ₂ - Benzene-1,2-dithiolates): An Experimental and Density Functional Theoretical Study. <i>Journal of the American Chemical Society</i> , 2005, 127, 4403-4415.	6.6	176
12	Encapsulation of single-molecule magnets in carbon nanotubes. <i>Nature Communications</i> , 2011, 2, 407.	5.8	147
13	Triangular Geometrical and Magnetic Motifs Uniquely Linked on a Spherical Capsule Surface. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3857-3861.	7.2	143
14	Extending the {(Mo) ₅ Mo ₅ } ₁₂ M ₃₀ Capsule Keplerate Sequence: A {Cr ₃₀ } Cluster of S=3/2 Metal Centers with a {Na(H ₂ O) ₁₂ } Encapsulate. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6106-6110.	7.2	141
15	Microscopic spin Hamiltonian of a Cr ₈ antiferromagnetic ring from inelastic neutron scattering. <i>Physical Review B</i> , 2003, 67, .	1.1	124
16	Spectroscopic determination of crystal field splittings in lanthanide double deckers. <i>Chemical Science</i> , 2014, 5, 3287.	3.7	111
17	Very Large Ising-Type Magnetic Anisotropy in a Mononuclear Ni(II) Complex. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1876-1879.	7.2	109
18	Metal-Oxide-Based Nucleation Process under Confined Conditions: Two Mixed-Valence V ₆ -Type Aggregates Closing the W ₄₈ Wheel-Type Cluster Cavities. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4477-4480.	7.2	106

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19	Three-Spin System with a Twist: A Bis(semiquinonato)copper Complex with a Nonplanar Configuration at the Copper(II) Center. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2103-2106.	7.2	102
20	The Inherent Single-Molecule Magnet Character of Trivalent Uranium. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3430-3433.	7.2	102
21	UV-Visible Absorption Spectra of $[\text{Ru}(\text{E})(\text{E}^{\sim})(\text{CO})_2(\text{iPr-DAB})]$ ($\text{E} = \text{E}^{\sim} = \text{SnPh}_3$ or Cl ; $\text{E} = \text{SnPh}_3$ or Cl , $\text{E}^{\sim} =$) Tj ETQq1 1 0.784314 Calculations. <i>Journal of the American Chemical Society</i> , 2001, 123, 11431-11440.	6.6	101
22	Comprehensive Spectroscopic Determination of the Crystal Field Splitting in an Erbium Single-Ion Magnet. <i>Journal of the American Chemical Society</i> , 2015, 137, 13114-13120.	6.6	95
23	Frequency-domain magnetic resonance spectroscopy of molecular magnetic materials. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3837-3843.	1.3	92
24	Synthesis and Spectroscopic Characterization of a New Family of Ni ₄ Spin Clusters. <i>Inorganic Chemistry</i> , 2005, 44, 4315-4325.	1.9	92
25	Studies of an Enneanuclear Manganese Single-Molecule Magnet. <i>Journal of the American Chemical Society</i> , 2005, 127, 5572-5580.	6.6	90
26	Structure and Magnetization of Small Monodisperse Platinum Clusters. <i>Physical Review Letters</i> , 2006, 97, 253401.	2.9	87
27	2,5-Dioxido-1,4-benzoquinonediimine (H ₂ L ²⁺), A Hydrogen-Bonding Noninnocent Bridging Ligand Related to Aminated Topaquinone: Different Oxidation State Distributions in Complexes $[\{(\text{bpy})_2\text{Ru}\}_2(\text{H}_2\text{L})]_n$ ($n=0,+2,+3,+4$) and $[\{(\text{acac})_2\text{Ru}\}_2(\text{H}_2\text{L})]_m$ ($m=2^{\sim},\hat{\sim},0,+2$). <i>Chemistry - A European Journal</i> , 2005, 11, 4901-4911.	1.7	85
28	Tuning of molecular qubits: very long coherence and spin-lattice relaxation times. <i>Chemical Communications</i> , 2016, 52, 3623-3626.	2.2	83
29	Chemical tunnel-splitting-engineering in a dysprosium-based molecular nanomagnet. <i>Nature Communications</i> , 2018, 9, 1292.	5.8	81
30	Tuning the physical properties of a metal complex by molecular techniques: the design and the synthesis of the simplest cobalt-o-dioxolene complex undergoing valence tautomerism. <i>Journal of Molecular Structure</i> , 2003, 656, 141-154.	1.8	79
31	Large Magnetic Anisotropy in Pentacoordinate NiII Complexes. <i>Chemistry - A European Journal</i> , 2008, 14, 1169-1177.	1.7	75
32	Measurement of Magnetic Exchange in Asymmetric Lanthanide Dimetallics: Toward a Transferable Theoretical Framework. <i>Journal of the American Chemical Society</i> , 2018, 140, 2504-2513.	6.6	73
33	Chiral Nanomagnets. <i>ACS Photonics</i> , 2014, 1, 1231-1236.	3.2	70
34	Multitechnique investigation of Dy ₃ implications for coupled lanthanide clusters. <i>Chemical Science</i> , 2016, 7, 4347-4354.	3.7	70
35	Exchange coupling and single molecule magnetism in redox-active tetraoxolene-bridged dilanthanide complexes. <i>Chemical Science</i> , 2018, 9, 1221-1230.	3.7	70
36	A platinum(II) metallonitrene with a triplet ground state. <i>Nature Chemistry</i> , 2020, 12, 1054-1059.	6.6	70

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37	Honeycomb Nets with Interpenetrating Frameworks Involving Iminodiacetato ²⁻ Copper(II) Blocks and Bipyridine Spacers: Syntheses, Characterization, and Magnetic Studies. <i>Inorganic Chemistry</i> , 2004, 43, 3413-3420.	1.9	68
38	Time-resolved emission spectra and TD-DFT excited-state calculations of [W(CO)4(1,10-phenanthroline)] and [W(CO)4(3,4,7,8-tetramethyl-1,10-phenanthroline)]. <i>Inorganica Chimica Acta</i> , 2001, 315, 44-52.	1.2	67
39	Breakdown of the Giant Spin Model in the Magnetic Relaxation of the Mn ₆ Nanomagnets. <i>Physical Review Letters</i> , 2008, 100, 157203.	2.9	67
40	High Conductivities of Disordered P3HT Films by an Electrochemical Doping Strategy. <i>Chemistry of Materials</i> , 2020, 32, 6003-6013.	3.2	65
41	(Electro)catalytic C-C bond formation reaction with a redox-active cobalt complex. <i>Chemical Communications</i> , 2014, 50, 11104-11106.	2.2	64
42	A Novel Organometallic Polymer of Osmium(0), [Os(2,2'-bipyridine)(CO) ₂] _n : Its Electrosynthesis and Electrocatalytic Properties Towards CO ₂ Reduction. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 613-617.	1.0	61
43	Ligand-to-ligand charge transfer states and photochemical bond homolysis in metal-carbon bonded platinum complexes. <i>Coordination Chemistry Reviews</i> , 2002, 230, 193-211.	9.5	61
44	Trinuclear {M ¹ } ₂ {M ² } ₂ Complexes (M ¹ = Tj, ET, Q, O, O, rg, BT, /Overlock, 10 Tf, 50 4	1.9	60
45	Temperature-Induced Solid-State Valence Tautomeric Interconversion in Two Cobalt Schiff Base Diquinone Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 6432-6440.	1.9	59
46	Definitive Determination of Zero-Field Splitting and Exchange Interactions in a Ni(II) Dimer: Investigation of [Ni ₂ (en) ₄ Cl ₂ Cl ₂] Using Magnetization and Tunable-Frequency High-Field Electron Paramagnetic Resonance. <i>Journal of the American Chemical Society</i> , 2007, 129, 10306-10307.	6.6	58
47	Systematic Study of the Interaction Between VIV Centres and Lanthanide Ions MIII in Well Defined {VIV 2MIII}{AsIIW9O33} ₂ Sandwich Type Clusters: Part 1. <i>Journal of Cluster Science</i> , 2007, 18, 711-719.	1.7	58
48	A series of metal complexes with the non-innocent N,N'-bis(pentafluorophenyl)-o-phenylenediamido ligand: twisted geometry for tuning the electronic structure. <i>Dalton Transactions</i> , 2008, , 1355.	1.6	58
49	A Family of Ferro- and Antiferromagnetically Coupled Decametalllic Chromium(III) Wheels. <i>Chemistry - A European Journal</i> , 2006, 12, 1385-1396.	1.7	55
50	A crystalline tri-thorium cluster with f-aromatic metal-metal bonding. <i>Nature</i> , 2021, 598, 72-75.	13.7	52
51	Sensitive Oxidation State Ambivalence in Unsymmetrical Three-Center (M/Q/M) Systems [(acac) ₂ Ru(1/4-Q)Ru(acac) ₂] _n , Q = 1,10-Phenanthroline-5,6-dione or 1,10-Phenanthroline-5,6-diimine (n = +, 0, Tj, ET, Q, 1, 1, 0, 5, 8, 4, 3, 14, rg	1.9	51
52	Mixing of magnetic states in a Cr ₈ molecular ring. <i>Physical Review B</i> , 2003, 68, .	1.1	50
53	Formation of a chargeless stable polyanion directed and protected by electrophilic internal surface functionalities of a capsule in growth: [{Mo ₆ O ₁₉ } ₂ · ⁴⁻ ·{M ₂ (O ₂) ₂ (ac) ₂ (H ₂ O) ₉ }] ₄ ⁴⁻ . <i>Chemical Communications</i> , 2006, , 3066-3068.	2.2	50
54	Ultra-broadband EPR spectroscopy in field and frequency domains. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15528-15534.	1.3	49

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55	Scaling behavior of the proton spin-lattice relaxation rate in antiferromagnetic molecular rings. <i>Physical Review B</i> , 2004, 70, .	1.1	48
56	Determination of the electronic structure of a dinuclear dysprosium single molecule magnet without symmetry idealization. <i>Chemical Science</i> , 2019, 10, 2101-2110.	3.7	48
57	Interfacing a Potential Purely Organic Molecular Quantum Bit with a Real-Life Surface. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1571-1578.	4.0	48
58	Redox-Induced Spin-State Switching and Mixed Valency in Quinonoid-Bridged Dicobalt Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 3475-3486.	1.7	44
59	An iridium(III)/IV/V redox series featuring a terminal imido complex with triplet ground state. <i>Chemical Science</i> , 2018, 9, 4325-4332.	3.7	44
60	3,6-Bis(2-pyridyl)pyridazine (L) and its deprotonated form (L ⁻) as ligands for {(acac) ₂ Ru ⁺ } or {(bpy) ₂ Ru ⁺ }: investigation of mixed valency in [(acac) ₂ Ru] ^{1/4} -L ⁻ and [(bpy) ₂ Ru] ^{1/4} -L ⁻ spectroelectrochemistry and EPR. <i>Dalton Transactions</i> , 2005, , 706-712.		43
61	The Stable Diiron(2.5) Complex Ion [(NC) ₅ Fe(1/4-tz)Fe(CN) ₅] ⁵⁻ , tz = 1,2,4,5-Tetrazine, and Its Neighboring Oxidation States. <i>Inorganic Chemistry</i> , 2001, 40, 2256-2262.	1.9	40
62	High-frequency/high-field EPR spectroscopy of the high-spin ferrous ion in hexaaqua complexes. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, S130-S139.	1.1	40
63	Field-induced slow relaxation of magnetization in a pentacoordinate Co(II) compound [Co(phen)(DMSO)Cl ₂]. <i>Dalton Transactions</i> , 2015, 44, 15014-15021.	1.6	40
64	Strong Exchange Couplings Drastically Slow Down Magnetization Relaxation in an Air-Stable Cobalt(II) Radical Single-Molecule Magnet (SMM). <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9802-9806.	7.2	40
65	New Directions in Electron Paramagnetic Resonance Spectroscopy on Molecular Nanomagnets. <i>Topics in Current Chemistry</i> , 2011, 321, 199-234.	4.0	39
66	What makes a single molecule magnet?. <i>Polyhedron</i> , 2005, 24, 2864-2869.	1.0	38
67	Static and dynamic magnetic properties of an [Fe ₁₃] cluster. <i>Physical Review B</i> , 2006, 73, .	1.1	38
68	Tuning the Excited-State Properties of [M(SnR ₃) ₂ (CO) ₂ (1±-diimine)] (M = Ru, Os; R = Me, Ph). <i>Inorganic Chemistry</i> , 2001, 40, 277-285.	1.9	33
69	A Novel Ni ₄ Complex Exhibiting Microsecond Quantum Tunneling of the Magnetization. <i>Chemistry - A European Journal</i> , 2008, 14, 11158-11166.	1.7	33
70	Co-Ligand Involvement in Ground and Excited States of Electron-Rich (Polypyridyl)Pt(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1917-1938.	1.0	32
71	Sub-molecular modulation of a 4f driven Kondo resonance by surface-induced asymmetry. <i>Nature Communications</i> , 2016, 7, 12785.	5.8	32
72	En route to coordination chemistry under confined conditions in a porous capsule: Pr ³⁺ with different coordination shells. <i>Chemical Communications</i> , 2004, , 2038-2039.	2.2	31

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73	Magnetic Anisotropy Switch: Easy Axis to Easy Plane Conversion and Vice Versa. <i>Advanced Functional Materials</i> , 2018, 28, 1801846.	7.8	31
74	Bimetallic Mn ^{III} –Fe ^{II} hybrid complexes formed by a functionalized Mn ^{III} Anderson polyoxometalate coordinated to Fe ^{II} : observation of a field-induced slow relaxation of magnetization in the Mn ^{III} centres and a photoinduced spin-crossover in the Fe ^{II} centres. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7936-7945.	2.7	30
75	Direct observation of finite size effects in chains of antiferromagnetically coupled spins. <i>Nature Communications</i> , 2015, 6, 7061.	5.8	30
76	Coupling molecular spin centers to microwave planar resonators: towards integration of molecular qubits in quantum circuits. <i>Dalton Transactions</i> , 2016, 45, 16596-16603.	1.6	29
77	Synthesis, structural characterization and magnetic behaviour of a family of [Co ^{III} Ln ^{III} 2] butterfly compounds. <i>Dalton Transactions</i> , 2017, 46, 3400-3409.	1.6	29
78	Changes in excited-state character of [M(L ₁)(L ₂)(CO) ₂ ($\hat{\pm}$ -diimine)] (M=Ru, Os) induced by variation of L ₁ and L ₂ . <i>Coordination Chemistry Reviews</i> , 2000, 208, 309-320.	9.5	28
79	Antisymmetric exchange interactions in Ni^{4+} Physical Review B, 2008, 78, .	1.1	28
80	Synthesis, characterisation and magnetic study of a cyano-substituted dysprosium double decker single-molecule magnet. <i>Dalton Transactions</i> , 2012, 41, 1128-1130.	1.6	28
81	Quantitative prediction of nuclear-spin-diffusion-limited coherence times of molecular quantum bits based on copper(ⁱⁱ). <i>Chemical Communications</i> , 2017, 53, 4477-4480.	2.2	28
82	Spectroscopy and photochemical reactivity of cyclooctadiene platinum complexes. <i>Journal of Organometallic Chemistry</i> , 2001, 620, 202-210.	0.8	27
83	Resonance Raman spectra of d ₆ metal–diimine complexes reflect changes in metal–ligand interaction and character of electronic transition. <i>Coordination Chemistry Reviews</i> , 2001, 219-221, 937-955.	9.5	27
84	Electrochemistry of different types of photoreactive ruthenium(II) dicarbonyl $\hat{\pm}$ -diimine complexes. <i>Coordination Chemistry Reviews</i> , 2002, 230, 107-125.	9.5	27
85	Terahertz Faraday effect in single molecule magnets. <i>Physical Review B</i> , 2005, 72, .	1.1	27
86	Magnetic Properties of Two New Fe ₄ Single-Molecule Magnets in the Solid State and in Frozen Solution. <i>Chemistry - A European Journal</i> , 2010, 16, 10178-10185.	1.7	27
87	Magnetic Anisotropy and Field-Induced Slow Relaxation of Magnetization in Tetracoordinate Coll Compound [Co(CH ₃) ₂ Cl ₂]. <i>Materials</i> , 2017, 10, 249.	1.3	27
88	High-frequency magnetic spectroscopy on the molecular magnetic cluster V ₁₅ . <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2778-2782.	1.3	26
89	⁹⁹ Ru NMR Spectroscopy of Organometallic and Coordination Complexes of Ruthenium(II). <i>Organometallics</i> , 1999, 18, 5238-5244.	1.1	25
90	Chromium(ⁱⁱⁱ)-based potential molecular quantum bits with long coherence times. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6976-6983.	1.3	24

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91	Fast and reliable <i>ab initio</i> calculation of crystal field splittings in lanthanide complexes. <i>Journal of Chemical Physics</i> , 2017, 147, 164101.	1.2	24
92	High-frequency ESR and frequency domain magnetic resonance spectroscopic studies of single molecule magnets in frozen solution. <i>Physical Review B</i> , 2007, 75, .	1.1	23
93	Origin of superhyperfine interactions in the antiferromagnetic ring Cr_7Ni . <i>Physical Review B</i> , 2011, 83, .	1.1	23
94	Spectroscopic Determination of the Electronic Structure of a Uranium Single-Ion Magnet. <i>Chemistry - A European Journal</i> , 2019, 25, 1758-1766.	1.7	23
95	Spin Crossover and Long-Lived Excited States in a Reduced Molecular Ruby. <i>Chemistry - A European Journal</i> , 2020, 26, 7199-7204.	1.7	23
96	A Mn(III) single ion magnet with tridentate Schiff-base ligands. <i>Dalton Transactions</i> , 2016, 45, 12301-12307.	1.6	22
97	Molecules Designed to Contain Two Weakly Coupled Spins with a Photoswitchable Spacer. <i>Chemistry - A European Journal</i> , 2017, 23, 13648-13659.	1.7	22
98	Long-lived higher excited state luminescence from new ruthenium(II) allenylidene complexes. <i>Journal of Organometallic Chemistry</i> , 2003, 670, 137-143.	0.8	21
99	Inelastic neutron scattering and frequency-domain magnetic resonance studies of $\text{S} = 4$ and $\text{S} = 12$ Mn ₆ single-molecule magnets. <i>Physical Review B</i> , 2010, 81, .	1.1	21
100	Anomalous Diamagnetic Susceptibility in 13-Atom Platinum Nanocluster Superatoms. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4318-4321.	7.2	21
101	The solvent effect in an axially symmetric $\text{Fe}^{\text{III}}\text{L}_4$ single-molecule magnet. <i>Chemical Communications</i> , 2014, 50, 15090-15093.	2.2	21
102	Participation of Co-Ligands in Electronic Transitions of Platinum(II) Diazabutadiene Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 5216-5225.	1.9	20
103	Spin dynamics at the level crossing in the molecular antiferromagnetic ring $[\text{Cr}_8\text{F}_8\text{Piv}_{16}]$ from proton NMR. <i>Physical Review B</i> , 2005, 72, .	1.1	20
104	A Mixed-Valent Pentanuclear $\text{Cu}^{\text{II}}_4\text{Cu}^{\text{I}}$ Compound Containing a Radical-Anion Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 10643-10651.	1.9	20
105	Magnetic and HFEPR Studies of Exchange Coupling in a Series of μ_4 -Cl Dicobalt Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 2417-2425.	1.9	20
106	FT-EPR Study of Methyl Radicals Photogenerated from $[\text{Ru}(\text{Me})(\text{SnPh}_3)(\text{CO})_2(\text{iPr-DAB})]$ and $[\text{Pt}(\text{Me})_4(\text{iPr-DAB})]$: An Example of a Strong Excitation Wavelength Dependent CIDEP Effect. <i>Journal of Physical Chemistry A</i> , 2000, 104, 5969-5973.	1.1	19
107	Low-temperature anomaly of microwave absorption and ac susceptibility of single-wall carbon nanotubes: Bulk superconductivity and weak ferromagnetism. <i>Physical Review B</i> , 2007, 75, .	1.1	19
108	Magnetic circular dichroism spectroscopy on the Cr ₈ antiferromagnetic ring. <i>Dalton Transactions</i> , 2010, 39, 4999.	1.6	19

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109	Molecular qubits based on potentially nuclear-spin-free nickel ions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2525-2529.	1.3	19
110	Charge Distribution in Cationic Molybdenum Imido Alkylidene π -N-Heterocyclic Carbene Complexes: A Combined X-ray, XAS, XES, DFT, Mössbauer, and Catalysis Approach. <i>ACS Catalysis</i> , 2020, 10, 14810-14823.	5.5	19
111	Rotaxane Co^{II} Complexes as Field-Induced Single-Ion Magnets. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16051-16058.	7.2	19
112	High-frequency and -field EPR and FDMRS study of the $[\text{Fe}(\text{H}_2\text{O})_6]^{2+}$ ion in ferrous fluorosilicate. <i>Journal of Magnetic Resonance</i> , 2011, 213, 158-165.	1.2	18
113	Multiple Bistability in Quinonoid-Bridged Diiron(II) Complexes: Influence of Bridge Symmetry on Bistable Properties. <i>Inorganic Chemistry</i> , 2016, 55, 11944-11953.	1.9	18
114	Photolytic and Reductive Activations of 2-Ar saethynolate in a Uranium-Trimidoamine Complex: Decarbonylative Arsenic-Group Transfer Reactions and Trapping of a Highly Bent and Reduced Form. <i>Chemistry - A European Journal</i> , 2019, 25, 14246-14252.	1.7	18
115	Dipnictogen f-Element Chemistry: A Diphosphorus Uranium Complex. <i>Journal of the American Chemical Society</i> , 2021, 143, 5343-5348.	6.6	18
116	Effect of crystalline disorder on quantum tunneling in the single-molecule magnet Mn_{12} benzoate. <i>Physical Review B</i> , 2010, 81, .	1.1	17
117	Chromium(III) stars and butterflies: synthesis, structural and magnetic studies of tetrametallic clusters. <i>Dalton Transactions</i> , 2011, 40, 5278.	1.6	17
118	Support Effects on Hydrogen Desorption, Isotope Exchange, Chemical Reactivity, and Magnetism of Platinum Nanoclusters in KL Zeolite. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22732-22745.	1.5	17
119	Insights into D_{4h} metal-symmetry single-molecule magnetism: the case of a dysprosium-bis(boryloxide) complex. <i>Chemical Communications</i> , 2021, 57, 733-736.	2.2	17
120	Iron(II), Cobalt(II), and Nickel(II) Complexes of Bis(sulfonamido)benzenes: Redox Properties, Large Zero-Field Splittings, and Single-Ion Magnets. <i>Inorganic Chemistry</i> , 2021, 60, 2953-2963.	1.9	17
121	FT-EPR study of alkyl radicals formed in the photochemical reaction of $\text{Re}(\text{alkyl})(\text{diimine})$ and $\text{Ru}(\text{alkyl})(\text{diimine})$ complexes. <i>Applied Magnetic Resonance</i> , 1998, 15, 203-214.	0.6	16
122	A time-resolved infrared spectroscopic study of $[\text{M}(\text{SnR}_3)_2(\text{CO})_2(\text{diimine})]$ ($\text{M} = \text{Ru, Os}$; $\text{R} = \text{Ph, Me}$): evidence of charge redistribution in the lowest-excited state. <i>Dalton Transactions RSC</i> , 2001, , 2587-2592.	2.3	16
123	A Small Cavity with Reactive Internal Shell Atoms Spanned by Four $\{As(W/V)_9\}$ -Type Building Blocks Allows Host-Guest Chemistry under Confined Conditions. <i>Chemistry - A European Journal</i> , 2005, 11, 5849-5854.	1.7	16
124	New Selective Synthesis of Dithiaboroles as a Viable Pathway to Functionalized Benzenedithiolenes and Their Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 6186-6194.	1.9	16
125	Influence of the variation of the co-ligands on the electronic transitions and emission properties of $[\text{Pt}(\text{I})(\text{CH}_3)_3(\text{iPr-DAB})]$, $[\text{Pt}(\text{CH}_3)_4(\text{diimine})]$ and $[\text{Pt}(\text{SnPh}_3)_2(\text{CH}_3)_2(\text{iPr-DAB})]$: an experimental and theoretical study. <i>Dalton Transactions RSC</i> , 2002, , 218-225.	2.3	15
126	Simulation of frequency domain magnetic resonance spectra of molecular magnets. <i>Inorganica Chimica Acta</i> , 2007, 360, 3813-3819.	1.2	15

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127	A novel tridentate coordination mode for the carbonatonicel system exhibited in an unusual hexanuclear nickel(ii) $\frac{1}{4}$ -carbonato-bridged complex. Dalton Transactions, 2009, , 9153.	1.6	15
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