

# 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  
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222  
all docs

222  
docs citations

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times ranked

7305  
citing authors

#	ARTICLE	IF	CITATIONS
1	Composition and magnetic properties of thin films grown by interdiffusion of Mn and Sn-Rich, Ge lattice matched SixGe1-x-ySny layers. Journal of Magnetism and Magnetic Materials, 2022, 546, 168731.	1.0	0
2	A nonsymmetric Dy <sub>2</sub> single-molecule magnet with two relaxation processes triggered by an external magnetic field: a theoretical and integrated EPR study of the role of magnetic-site dilution. Dalton Transactions, 2022, 51, 1985-1994.	1.6	5
3	Reply to: [Th(C8H8)Cl <sub>2</sub> ] <sub>3</sub> 2 <sup>+</sup> is stable but not aromatic. Nature, 2022, 603, E21-E22.	13.7	9
4	A mesoionic carbene complex of manganese in five oxidation states. Chemical Communications, 2022, 58, 6096-6099.	2.2	10
5	Mackinawite-supported Reduction of C <sub>1</sub> Substrates into Prebiotically Relevant Precursors. ChemSystemsChem, 2022, 4, .	1.1	4
6	Single-ion magnet behaviour in homoleptic Co(II) complexes bearing 2-iminopyrrolyl ligands. Inorganic Chemistry Frontiers, 2022, 9, 4302-4319.	3.0	5
7	Hybrid Spintronic Materials from Conducting Polymers with Molecular Quantum Bits. Advanced Functional Materials, 2021, 31, 2006882.	7.8	6
8	Insights into D <sub>4h</sub> metal-symmetry single-molecule magnetism: the case of a dysprosium-bis(boryloxide) complex. Chemical Communications, 2021, 57, 733-736.	2.2	17
9	Iron(II), Cobalt(II), and Nickel(II) Complexes of Bis(sulfonamido)benzenes: Redox Properties, Large Zero-Field Splittings, and Single-Ion Magnets. Inorganic Chemistry, 2021, 60, 2953-2963.	1.9	17
10	Electronic Structure of a Diiron Complex: A Multitechnique Experimental Study of [(dppf)Fe(CO) <sub>3</sub> ] <sup>+/0</sup> . Inorganic Chemistry, 2021, 60, 2856-2865.	1.9	1
11	Dipnictogen f-Element Chemistry: A Diphosphorus Uranium Complex. Journal of the American Chemical Society, 2021, 143, 5343-5348.	6.6	18
12	Room-Temperature Quantum Memories Based on Molecular Electron Spin Ensembles. Advanced Materials, 2021, 33, e2101673.	11.1	9
13	Rotaxane Co <sup>II</sup> Complexes as Field-Induced Single-Ion Magnets. Angewandte Chemie - International Edition, 2021, 60, 16051-16058.	7.2	19
14	Rotaxane Co II Complexes as Field-Induced Single-Ion Magnets. Angewandte Chemie, 2021, 133, 16187-16194.	1.6	2
15	Dark Matter: Peculiarities within the LiRE <sub>5</sub> W <sub>8</sub> O <sub>32</sub> series (RE = Dy <sup>3+</sup> Lu). Journal of Alloys and Compounds, 2021, 868, 159147.	2.8	0
16	Plasmonic Metasurface Resonators to Enhance Terahertz Magnetic Fields for High-Frequency Electron Paramagnetic Resonance. Small Methods, 2021, 5, e2100376.	4.6	3
17	A crystalline tri-thorium cluster with f-aromatic metal-metal bonding. Nature, 2021, 598, 72-75.	13.7	52
18	Mackinawite formation from elemental iron and sulfur. RSC Advances, 2021, 11, 32464-32475.	1.7	12

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19	Weak localization and weak antilocalization in doped Ge <sub>1-y</sub> Sn <sub>y</sub> layers with up to 8% Sn. Journal of Physics Condensed Matter, 2021, 33, 085703.	0.7	8
20	Spin-state control of cobalt(ii) and iron(ii) complexes with click-derived tripodal ligands through non-covalent and fluorine-specific interactions. Dalton Transactions, 2021, , .	1.6	2
21	Characterization of Fe Micromagnets for Semiconductor Spintronics by In-Field Magnetic Force Microscopy. , 2021, , .		0
22	Formation of Mn <sub>5</sub> Ge <sub>3</sub> on a Recess-Etched Ge (111) Quantum-Well Structure for Semiconductor Spintronics. , 2021, , .		0
23	The reaction of HV(CO) <sub>4</sub> dppe with MoO <sub>3</sub> : a well-defined model of hydrogen spillover. Catalysis Science and Technology, 2021, 11, 7540-7544.	2.1	3
24	Strong coupling between resonators and spin ensembles in the presence of exchange couplings. Chemical Communications, 2020, 56, 12837-12840.	2.2	2
25	Single Ion Anisotropy of CrIII and FeIII in a Series of {Ti7M} Rings. Applied Magnetic Resonance, 2020, 51, 1251-1265.	0.6	2
26	Charge Distribution in Cationic Molybdenum Imido Alkylidene <i>N</i> -Heterocyclic Carbene Complexes: A Combined X-ray, XAS, XES, DFT, Mössbauer, and Catalysis Approach. ACS Catalysis, 2020, 10, 14810-14823.	5.5	19
27	Co( <sup>ii</sup> )-Based single-ion magnets with 1,1'-ferrocenediyl-bis(diphenylphosphine) metalloligands. Dalton Transactions, 2020, 49, 11697-11707.	1.6	11
28	A platinum(ii) metallonitrene with a triplet ground state. Nature Chemistry, 2020, 12, 1054-1059.	6.6	70
29	Spin Crossover and Long-Lived Excited States in a Reduced Molecular Ruby. Chemistry - A European Journal, 2020, 26, 7199-7204.	1.7	23
30	High Conductivities of Disordered P3HT Films by an Electrochemical Doping Strategy. Chemistry of Materials, 2020, 32, 6003-6013.	3.2	65
31	Nanostructured graphene for nanoscale electron paramagnetic resonance spectroscopy. JPhys Materials, 2020, 3, 014013.	1.8	11
32	A graphene-based hybrid material with quantum bits prepared by the double Langmuir-Schaefer method. RSC Advances, 2019, 9, 24066-24073.	1.7	9
33	Magnetic Characterization of a Mn Based Ferromagnet on Si <sub>x</sub> Ge <sub>(1-x-y)</sub> Sn <sub>y</sub> with High Sn Content. ECS Transactions, 2019, 93, 101-104.	0.3	1
34	Photolytic and Reductive Activations of 2-Arsaethynolate in a Uranium-Triamidoamine Complex: Decarbonylative Arsenic-Group Transfer Reactions and Trapping of a Highly Bent and Reduced Form. Chemistry - A European Journal, 2019, 25, 14246-14252.	1.7	18
35	Determination of the electronic structure of a dinuclear dysprosium single molecule magnet without symmetry idealization. Chemical Science, 2019, 10, 2101-2110.	3.7	48
36	Measurement of quantum coherence in thin films of molecular quantum bits without post-processing. Chemical Communications, 2019, 55, 7163-7166.	2.2	7

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37	Toward fast and accurate <i>ab initio</i> calculation of magnetic exchange in polynuclear lanthanide complexes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9769-9778.	1.3	12
38	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
39	Contactless millimeter wave method for quality assessment of large area graphene. <i>2D Materials</i> , 2019, 6, 035028.	2.0	5
40	Drastische Verlangsamung der magnetischen Relaxation durch starke Austauschkopplungen in einem luftstabilen, radikalverbrückten Cobalt(II)-Einzelmolekülmagneten. <i>Angewandte Chemie</i> , 2019, 131, 9907-9911.	1.6	4
41	Spin-electric coupling. <i>Nature Materials</i> , 2019, 18, 300-301.	13.3	7
42	Chromium(III)-based potential molecular quantum bits with long coherence times. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6976-6983.	1.3	24
43	Black Current: Structure, Characterization, and Optoelectronic Properties of $\text{Ce}_3\text{Cl}_3[\text{MoO}_6]$ . <i>Chemistry - A European Journal</i> , 2019, 25, 7921-7926.	1.7	2
44	Accurate and unequivocal determination of the crystal-field parameters of lanthanide ions via a multitechnique approach. <i>Physical Review B</i> , 2019, 99, .	1.1	8
45	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
46	Interfacing a Potential Purely Organic Molecular Quantum Bit with a Real-Life Surface. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 1571-1578.	4.0	48
47	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
48	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
49	Chemical tunnel-splitting-engineering in a dysprosium-based molecular nanomagnet. <i>Nature Communications</i> , 2018, 9, 1292.	5.8	81
50	Exchange coupling and single molecule magnetism in redox-active tetraoxolene-bridged dilanthanide complexes. <i>Chemical Science</i> , 2018, 9, 1221-1230.	3.7	70
51	Magnetic Anisotropy Switch: Easy Axis to Easy Plane Conversion and Vice Versa. <i>Advanced Functional Materials</i> , 2018, 28, 1801846.	7.8	31
52	Slow magnetization dynamics in Co(II)/Co(III) triethanolamine/pivalate complexes. <i>Dalton Transactions</i> , 2018, 47, 17055-17066.	1.6	8
53	Chiral, Heterometallic Lanthanide-Transition Metal Complexes by Design. <i>Inorganics</i> , 2018, 6, 72.	1.2	6
54	Multifrequency EPR, SQUID, and DFT Study of Cupric Ions and Their Magnetic Coupling in the Metal-Organic Framework Compound $\text{Cu}_3[\text{Cu}(\text{prztrza})]$ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 26642-26651.	1.5	5

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55	A linear cobalt(II) complex with maximal orbital angular momentum from a non-Aufbau ground state. <i>Science</i> , 2018, 362, .	6.0	254
56	Host-Induced Environment Tuning of 3d Ions in a Polyoxopalladate Matrix. <i>Chemistry - A European Journal</i> , 2018, 24, 17767-17778.	1.7	14
57	Multi-frequency rapid-scan HFEPR. <i>Journal of Magnetic Resonance</i> , 2018, 296, 138-142.	1.2	12
58	Old and New Insights into Structure and Properties of Eu <sub>2</sub> [SiO <sub>4</sub> ]. <i>Crystal Growth and Design</i> , 2018, 18, 6316-6325.	1.4	5
59	Ultra-broadband EPR spectroscopy in field and frequency domains. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15528-15534.	1.3	49
60	Room Temperature Uniaxial Magnetic Anisotropy Induced By Fe Islands in the InSe Semiconductor Van Der Waals Crystal. <i>Advanced Science</i> , 2018, 5, 1800257.	5.6	6
61	Crystal Field Splittings in Lanthanide Complexes: Inclusion of Correlation Effects beyond Second Order Perturbation Theory. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 3998-4009.	2.3	6
62	Formation of Mn <sub>5</sub> Ge <sub>3</sub> by thermal annealing of evaporated Mn on doped Ge on Si(111). <i>Semiconductor Science and Technology</i> , 2018, 33, 095008.	1.0	11
63	Thin film properties and stability of a potential molecular quantum bit based on copper(II). <i>Journal of Materials Chemistry C</i> , 2018, 6, 8028-8034.	2.7	8
64	Magnetic and HFEPR Studies of Exchange Coupling in a Series of $\mu_4$ -Cl Dicobalt Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 2417-2425.	1.9	20
65	Synthesis, structural characterization and magnetic behaviour of a family of [CoIII <sub>2</sub> LnIII <sub>2</sub> ] butterfly compounds. <i>Dalton Transactions</i> , 2017, 46, 3400-3409.	1.6	29
66	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
67	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
68	Molecular qubits based on potentially nuclear-spin-free nickel ions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2525-2529.	1.3	19
69	Control of Complex Formation through Peripheral Substituents in Click-Tripodal Ligands: Structural Diversity in Homo- and Heterodinuclear Cobalt-Azido Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 402-413.	1.9	10
70	Membrane-based torque magnetometer: Enhanced sensitivity by optical readout of the membrane displacement. <i>Review of Scientific Instruments</i> , 2017, 88, 094707.	0.6	7
71	Elementary excitations in single-chain magnets. <i>Physical Review B</i> , 2017, 96, .	1.1	11
72	Magnetic Anisotropy and Field-Induced Slow Relaxation of Magnetization in Tetracoordinate Coll Compound [Co(CH <sub>3</sub> ) <sub>2</sub> Cl <sub>2</sub> ]. <i>Materials</i> , 2017, 10, 249.	1.3	27

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73	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
74	Torque-Detected Electron Spin Resonance as a Tool to Investigate Magnetic Anisotropy in Molecular Nanomagnets. <i>Magnetochemistry</i> , 2016, 2, 25.	1.0	5
75	Probing bistability in Fe <sup>II</sup> and Co <sup>II</sup> complexes with an unsymmetrically substituted quinonoid ligand. <i>Dalton Transactions</i> , 2016, 45, 8394-8403.	1.6	10
76	Magneto-optical investigations of molecular nanomagnet monolayers. <i>Dalton Transactions</i> , 2016, 45, 7555-7558.	1.6	5
77	{NiII8LnIII6} (Ln = Gd, Dy) rod-like nano-sized heteronuclear coordination clusters with a double carbonate bridge skeleton and remarkable MCE behaviour. <i>Dalton Transactions</i> , 2016, 45, 8566-8572.	1.6	13
78	Structural snapshots in the copper(II) induced azide-nitrile cycloaddition: effects of peripheral ligand substituents on the formation of unsupported $\mu_4^{1,1}$ -azido vs. $\mu_4^{1,4}$ -tetrazolato bridged complexes. <i>Dalton Transactions</i> , 2016, 45, 17770-17781.	1.6	14
79	A Dicobalt Complex with an Unsymmetrical Quinonoid Bridge Isolated in Three Units of Charge: A Combined Structural, (Spectro)electrochemical, Magnetic and Spectroscopic Study. <i>Chemistry - A European Journal</i> , 2016, 22, 13884-13893.	1.7	15
80	A Mn(III) single ion magnet with tridentate Schiff-base ligands. <i>Dalton Transactions</i> , 2016, 45, 12301-12307.	1.6	22
81	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
82	Sub-molecular modulation of a 4f driven Kondo resonance by surface-induced asymmetry. <i>Nature Communications</i> , 2016, 7, 12785.	5.8	32
83	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
84	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
85	Multitechnique investigation of Dy <sub>3</sub> – implications for coupled lanthanide clusters. <i>Chemical Science</i> , 2016, 7, 4347-4354.	3.7	70
86	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
87	Tuning of molecular qubits: very long coherence and spin-lattice relaxation times. <i>Chemical Communications</i> , 2016, 52, 3623-3626.	2.2	83
88	Bimetallic Mn <sup>III</sup> -Fe <sup>II</sup> hybrid complexes formed by a functionalized Mn <sup>III</sup> Anderson polyoxometalate coordinated to Fe <sup>II</sup> : observation of a field-induced slow relaxation of magnetization in the Mn <sup>III</sup> centres and a photoinduced spin-crossover in the Fe <sup>II</sup> centres. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7936-7945.	2.7	30
89	Improving f-element single molecule magnets. <i>Chemical Society Reviews</i> , 2015, 44, 6655-6669.	18.7	699
90	Direct observation of finite size effects in chains of antiferromagnetically coupled spins. <i>Nature Communications</i> , 2015, 6, 7061.	5.8	30

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91	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
92	Field-induced slow relaxation of magnetization in a pentacoordinate Co(II) compound [Co(phen)(DMSO)Cl <sub>2</sub> ]. <i>Dalton Transactions</i> , 2015, 44, 15014-15021.	1.6	40
93	Spin-forbidden transitions in the molecular nanomagnet $V^{15+}$ . <i>Physical Review B</i> , 2014, 90, ..	1.1	7
94	Magnetic anisotropy of polycrystalline magnetoferritin investigated by SQUID and electron magnetic resonance. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 361, 188-196.	1.0	9
95	Anomalous Diamagnetic Susceptibility in 13-Atom Platinum Nanocluster Superatoms. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4318-4321.	7.2	21
96	Spectroscopic determination of crystal field splittings in lanthanide double deckers. <i>Chemical Science</i> , 2014, 5, 3287.	3.7	111
97	Chiral Nanomagnets. <i>ACS Photonics</i> , 2014, 1, 1231-1236.	3.2	70
98	Direct measurement of dysprosium(III) $\text{E}^{\text{TM}}\text{E}^{\text{TM}}\text{E}^{\text{TM}}$ dysprosium(III) interactions in a single-molecule magnet. <i>Nature Communications</i> , 2014, 5, 5243.	5.8	223
99	Room temperature quantum coherence in a potential molecular qubit. <i>Nature Communications</i> , 2014, 5, 5304.	5.8	265
100	(Electro)catalytic C-C bond formation reaction with a redox-active cobalt complex. <i>Chemical Communications</i> , 2014, 50, 11104-11106.	2.2	64
101	The solvent effect in an axially symmetric $\text{Fe}^{\text{III}}\text{Fe}^{\text{IV}}$ single-molecule magnet. <i>Chemical Communications</i> , 2014, 50, 15090-15093.	2.2	21
102	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
103	Systematic Study of the Interaction Between VIV Centres and LnIII Ions in Well Defined $\{V_2IVLnIII\}_2$ Sandwich-Type Clusters: Part 2. <i>Journal of Cluster Science</i> , 2013, 24, 979-988.	1.7	8
104	Quantum coherence in a triangular Cu <sub>3</sub> complex. <i>Molecular Physics</i> , 2013, 111, 2897-2902.	0.8	15
105	The Inherent Single-Molecule Magnet Character of Trivalent Uranium. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3430-3433.	7.2	102
106	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
107	Magnetic properties of a novel family of ferrous cubanes. <i>Chemical Communications</i> , 2012, 48, 2430.	2.2	13
108	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

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109	Torque-detected ESR of a tetrairon(III) single molecule magnet. Journal of Magnetic Resonance, 2012, 223, 55-60.	1.2	10
110	Synthesis, characterisation and magnetic study of a cyano-substituted dysprosium double decker single-molecule magnet. Dalton Transactions, 2012, 41, 1128-1130.	1.6	28
111	A mixed valence manganese triangle in a trigonal lattice: structure and magnetism. Dalton Transactions, 2011, 40, 5891.	1.6	10
112	New Directions in Electron Paramagnetic Resonance Spectroscopy on Molecular Nanomagnets. Topics in Current Chemistry, 2011, 321, 199-234.	4.0	39
113	Encapsulation of single-molecule magnets in carbon nanotubes. Nature Communications, 2011, 2, 407.	5.8	147
114	A delocalized arene-bridged diuranium single-molecule magnet. Nature Chemistry, 2011, 3, 454-460.	6.6	299
115	Chromium(III) stars and butterflies: synthesis, structural and magnetic studies of tetrametallic clusters. Dalton Transactions, 2011, 40, 5278.	1.6	17
116	High-frequency and -field EPR and FDMRS study of the [Fe(H <sub>2</sub> O) <sub>6</sub> ] <sup>2+</sup> ion in ferrous fluorosilicate. Journal of Magnetic Resonance, 2011, 213, 158-165.	1.2	18
117	Giant magnetisation step in Fe <sub>2</sub> : Molecular nanomagnets in the weak exchange limit. Europhysics Letters, 2011, 95, 57002.	0.7	10
118	Origin of superhyperfine interactions in the antiferromagnetic ring Cr <sub>7</sub> Ni. Physical Review B, 2011, 83, .	1.1	23
119	Frequency domain magnetic resonance and magnetic circular dichroism studies on Ni <sub>4</sub> cubane molecular nanomagnets: A magnetic anisotropy investigation. Inorganica Chimica Acta, 2010, 363, 4329-4336.	1.2	7
120	Magnetic Properties of Two New Fe <sub>4</sub> Single-Molecule Magnets in the Solid State and in Frozen Solution. Chemistry - A European Journal, 2010, 16, 10178-10185.	1.7	27
121	Torque detected broad band electron spin resonance. Review of Scientific Instruments, 2010, 81, 095105.	0.6	14
122	Broadband electron spin resonance at 40 GHz and magnetic fields up to 10 T. Review of Scientific Instruments, 2010, 81, 093901.	0.6	12
123	Inelastic neutron scattering and frequency-domain magnetic resonance studies of S=4 and S=12 Mn <sub>6</sub> single-molecule magnets. Physical Review B, 2010, 81, .	1.1	21
124	Effect of crystalline disorder on quantum tunneling in the single-molecule magnet Mn <sub>12</sub> benzoate. Physical Review B, 2010, 81, .	1.1	17
125	Magnetic circular dichroism spectroscopy on the Cr <sub>8</sub> antiferromagnetic ring. Dalton Transactions, 2010, 39, 4999.	1.6	19
126	Frequency-domain magnetic-resonance spectroscopic investigations of the magnetization dynamics in Mn <sub>12</sub> crystals. Physical Review B, 2009, 79, .	1.1	13



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127	Neutron spectroscopy and magnetic relaxation of the Mn <sub>6</sub> nanomagnets. <i>Polyhedron</i> , 2009, 28, 1940-1944.	1.0	10
128	Synthesis, structures and magnetic properties of two novel tetranuclear iron(III) single-molecule magnets: Enhanced energy barriers in solution. <i>Polyhedron</i> , 2009, 28, 1834-1837.	1.0	12
129	Polyoxometalates: Fascinating structures, unique magnetic properties. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2315-2327.	9.5	508
130	A Mixed-Valent Pentanuclear Cu <sup>II</sup> <sub>4</sub> Cu <sup>I</sup> Compound Containing a Radical-Anion Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 10643-10651.	1.9	20
131	Bausteine für Quantencomputer. <i>Nachrichten Aus Der Chemie</i> , 2009, 57, 124-128.	0.0	0
132	A novel tridentate coordination mode for the carbonatonicel system exhibited in an unusual hexanuclear nickel(ii) $\mu_4$ -carbonato-bridged complex. <i>Dalton Transactions</i> , 2009, , 9153.	1.6	15
133	Large Magnetic Anisotropy in Pentacoordinate NiII Complexes. <i>Chemistry - A European Journal</i> , 2008, 14, 1169-1177.	1.7	75
134	A Novel Ni <sub>4</sub> Complex Exhibiting Microsecond Quantum Tunneling of the Magnetization. <i>Chemistry - A European Journal</i> , 2008, 14, 11158-11166.	1.7	33
135	Magnetism and magnetic resonance studies of single-molecule magnets in polymer matrices. <i>Inorganica Chimica Acta</i> , 2008, 361, 3714-3717.	1.2	11
136	Trinuclear {M <sup>1</sup> }CN{M <sup>2</sup> } <sub>2</sub> Complexes (M <sup>1</sup> =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	1.9	60
137	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
138	Antisymmetric exchange interactions in $\langle \text{Ni} \rangle_4$ Physical Review B, 2008, 78, .	1.1	28
139	Breakdown of the Giant Spin Model in the Magnetic Relaxation of the Mn <sub>6</sub> Nanomagnets. <i>Physical Review Letters</i> , 2008, 100, 157203.	2.9	67
140	Direct Observation of Quantum Coherence in Single-Molecule Magnets. <i>Physical Review Letters</i> , 2008, 101, 147203.	2.9	178
141	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
142	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
143	Metal-Oxide-Based Nucleation Process under Confined Conditions: Two Mixed-Valence V <sup>6</sup> -Type Aggregates Closing the W <sub>48</sub> Wheel-Type Cluster Cavities. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4477-4480.	7.2	106
144	Extending the {(Mo)Mo <sub>5</sub> } <sub>12</sub> M <sub>30</sub> Capsule Keplerate Sequence: A {Cr <sub>30</sub> } Cluster of S=3/2 Metal Centers with a {Na(H <sub>2</sub> O) <sub>12</sub> } Encapsulate. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6106-6110.	7.2	141

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145	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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157	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
158	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
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