Stephen Hill

List of Publications by Year
in descending order

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240	8,971	47006	51608
papers	citations	47	86
		h-index	g-index

250	250	250	5825
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum Coherence in an Exchange-Coupled Dimer of Single-Molecule Magnets. Science, 2003, 302, 1015-1018.	12.6	529
2	Molecular spins for quantum computation. Nature Chemistry, 2019, 11, 301-309.	13.6	508
3	Enhancing coherence in molecular spin qubits via atomic clock transitions. Nature, 2016, 531, 348-351.	27.8	442
4	Slow magnetic relaxation in a pseudotetrahedral cobalt(ii) complex with easy-plane anisotropy. Chemical Communications, 2012, 48, 3927.	4.1	272
5	High-Sensitivity Electron Paramagnetic Resonance ofMn12-Acetate. Physical Review Letters, 1998, 80, 2453-2456.	7.8	215
6	â€œSwitching Onâ€•the Properties of Single-Molecule Magnetism in Triangular Manganese(III) Complexes. Journal of the American Chemical Society, 2007, 129, 9484-9499.	13.7	212
7	Influence of the Ligand Field on Slow Magnetization Relaxation versus Spin Crossover in Mononuclear Cobalt Complexes. Angewandte Chemie - International Edition, 2013, 52, 11290-11293.	13.8	192
8	Exchange bias in Ni 4 single-molecule magnets. Polyhedron, 2003, 22, 1727-1733.	2.2	171
9	The Properties of the [Mn12O12(O2CR)16(H2O)4] Single-Molecule Magnets in Truly Axial Symmetry:â€‰ [Mn12O12(O2CCH2Br)16(H2O)4]Â·4CH2Cl2. Journal of the American Chemical Society, 2006, 128, 6975-6989.	13.7	159
10	Instrumentation for millimeter-wave magnetoelectrodynamic investigations of low-dimensional conductors and superconductors. Review of Scientific Instruments, 2000, 71, 186-200.	1.3	149
11	Attempting to understand (and control) the relationship between structure and magnetism in an extended family of Mn6 single-molecule magnets. Dalton Transactions, 2009, , 3403.	3.3	146
12	Pushing the limits of magnetic anisotropy in trigonal bipyramidal Ni(<scp>ii</scp>). Chemical Science, 2015, 6, 6823-6828.	7.4	136
13	Giant Ising-Type Magnetic Anisotropy in Trigonal Bipyramidal Ni(II) Complexes: Experiment and Theory. Journal of the American Chemical Society, 2013, 135, 3017-3026.	13.7	135
14	Magnetic Quantum Tunneling in the Single-Molecule Magnet Mn12-Acetate. Journal of Low Temperature Physics, 2005, 140, 119-174.	1.4	131
15	Magnetic quantum tunneling: insights from simple molecule-based magnets. Dalton Transactions, 2010, 39, 4693.	3.3	129
16	Relaxation of the magnetization ofMn12acetate. Physical Review B, 1998, 58, 330-338.	3.2	126
17	Effects ofD-strain,g-strain, and dipolar interactions on EPR linewidths of the molecular magnetsFe8andMn12. Physical Review B, 2001, 65, .	3.2	121
18	Ambipolar Molybdenum Diselenide Field-Effect Transistors: Field-Effect and Hall Mobilities. ACS Nano, 2014, 8, 7923-7929.	14.6	121

#	Article	IF	Citations
19	Influence of Electronic Spin and Spinâ€“Orbit Coupling on Decoherence in Mononuclear Transition Metal Complexes. Journal of the American Chemical Society, 2014, 136, 7623-7626.	13.7	120
20	Slow Magnetic Relaxation Induced by a Large Transverse Zero-Field Splitting in a Mn^{II}Re^{IV}(CN)₂ Single-Chain Magnet. Journal of the American Chemical Society, 2012, 134, 7521-7529.	13.7	118
21	Detailed single-crystal EPR line shape measurements for the single-molecule magnetsFe8BrandMn12â˜’acetate. Physical Review B, 2002, 65, .	3.2	115
22	Definitive Spectroscopic Determination of the Transverse Interactions Responsible for the Magnetic Quantum Tunneling inMn12-Acetate. Physical Review Letters, 2003, 90, 217204.	7.8	112
23	Twisting, bending, stretching: strategies for making ferromagnetic [MnIII3] triangles. Dalton Transactions, 2009, , 9157.	3.3	90
24	Single-Molecule Magnets:Â Preparation and Properties of Low Symmetry [Mn4O3(O2CPh-R)4(dbm)3] Complexes with S =9/2. Journal of the American Chemical Society, 2004, 126, 12503-12516.	13.7	89
25	Multi-frequency EPR studies of a mononuclear holmium single-molecule magnet based on the polyoxometalate [HoIII(W5O18)2]9â˜’. Dalton Transactions, 2012, 41, 13697.	3.3	88
26	Magnetization tunneling in high-symmetry single-molecule magnets: Limitations of the giant spin approximation. Physical Review B, 2006, 74, .	3.2	86
27	Synthesis and characterisation of a Ni4 single-molecule magnet with S4 symmetry. Dalton Transactions, 2008, , 6409.	3.3	83
28	Electron spin resonance studies of trityl OX063 at a concentration optimal for DNP. Physical Chemistry Chemical Physics, 2013, 15, 9800.	2.8	81
29	Quantum interference of tunnel trajectories between states of different spin length in a dimeric molecular nanomagnet. Nature Physics, 2008, 4, 277-281.	16.7	77
30	Magneto-Structural Correlations in Pseudotetrahedral Forms of the [Co(SPh)₄]^{2â€“} Complex Probed by Magnetometry, MCD Spectroscopy, Advanced EPR Techniques, and ab Initio Electronic Structure Calculations. Inorganic Chemistry, 2017, 56, 3102-3118.	4.0	74
31	Rotating cavity for high-field angle-dependent microwave spectroscopy of low-dimensional conductors and magnets. Review of Scientific Instruments, 2005, 76, 023114.	1.3	70
32	Disorder and Intermolecular Interactions in a Family of Tetranuclear Ni(II) Complexes Probed by High-Frequency Electron Paramagnetic Resonance. Inorganic Chemistry, 2008, 47, 1965-1974.	4.0	67
33	Magnetic Ordering and Anisotropy in Heavy Atom Radicals. Journal of the American Chemical Society, 2015, 137, 3720-3730.	13.7	65
34	Semiclassical description of cyclotron resonance in quasi-two-dimensional organic conductors: Theory and experiment. Physical Review B, 1997, 55, 4931-4940.	3.2	64
35	Discrete easy-axis tilting inMn12-acetate, as determined by EPR: Implications for the magnetic quantum tunneling mechanism. Physical Review B, 2004, 70, .	3.2	60
36	Role of dipolar and exchange interactions in the positions and widths of EPR transitions for the single-molecule magnetsFe8andMn12. Physical Review B, 2002, 66, .	3.2	58

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37	High-frequency electron paramagnetic resonance investigations of tetranuclear nickel-based single-molecule magnets. Journal of Applied Physics, 2003, 93, 7807-7809.	2.5	56
38	Heterometallic Cubane Single-Molecule Magnets. Inorganic Chemistry, 2007, 46, 8126-8128.	4.0	56
39	Large Mn₂₅ Single-Molecule Magnet with Spin S = ⁵¹₂: Magnetic and High-Frequency Electron Paramagnetic Resonance Spectroscopic Characterization of a Giant Spin State. Inorganic Chemistry, 2008, 47, 9459-9470.	4.0	56
40	Manifestation of Spin Selection Rules on the Quantum Tunneling of Magnetization in a Single-Molecule Magnet. Physical Review Letters, 2009, 103, 017202.	7.8	53
41	Field-Induced Slow Relaxation in a Monometallic Manganese(III) Single-Molecule Magnet. Inorganic Chemistry, 2015, 54, 13-15.	4.0	53
42	Binding of Higher Alcohols onto Mn₁₂ Single-Molecule Magnets (SMMs): Access to the Highest Barrier Mn₁₂ SMM. Inorganic Chemistry, 2010, 49, 1325-1336.	4.0	51
43	Bulk quantum Hall effect inÎ·â˜Mo4O11. Physical Review B, 1998, 58, 10778-10783.	3.2	50
44	Covalently Linked Dimer of Mn₃ Single-Molecule Magnets and Retention of Its Structure and Quantum Properties in Solution. Journal of the American Chemical Society, 2015, 137, 7160-7168.	13.7	50
45	Nanomodulation of Molecular Nanomagnets. Inorganic Chemistry, 2009, 48, 3480-3492.	4.0	49
46	Spin Crossover in Fe(II) Complexes with N₄S₂ Coordination. Inorganic Chemistry, 2016, 55, 5904-5913.	4.0	49
47	A quasi-optical and corrugated waveguide microwave transmission system for simultaneous dynamic nuclear polarization NMR on two separate 14.1â€¯T spectrometers. Journal of Magnetic Resonance, 2018, 289, 35-44.	2.1	49
48	Single-Molecule Magnets:â€‰ High-Field Electron Paramagnetic Resonance Evaluation of the Single-Ion Zero-Field Interaction in a ZnII3NiII Complex. Inorganic Chemistry, 2005, 44, 3827-3836.	4.0	48
49	A Caveat for Singleâ€Molecule Magnetism: Nonâ€linear Arrhenius Plots. ChemPhysChem, 2009, 10, 2397-2400.	2.1	48
50	Diversity of New Structural Types in Polynuclear Iron Chemistry with a Tridentate N,N,O Ligand. Inorganic Chemistry, 2007, 46, 4535-4547.	4.0	47
51	Pressureâ€Driven Orbital Reorientations and Coordinationâ€Sphere Reconstructions in [CuF₂(H₂O)₂(pyz)]. Angewandte Chemie - International Edition, 2012, 51, 7490-7494.	13.8	47
52	Supramolecular aggregates of single-molecule magnets: exchange-biased quantum tunneling of magnetization in a rectangular [Mn₃]₄ tetramer. Chemical Science, 2016, 7, 1156-1173.	7.4	47
53	Silver route to cuprate analogs. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1495-1500.	7.1	47
54	Magnetic Anisotropy in a Heavy Atom Radical Ferromagnet. Journal of the American Chemical Society, 2011, 133, 8126-8129.	13.7	46

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55	Effective mass and combination frequencies of de Haas-van Alphen oscillations in Î²-(BEDT-TTF)2Cu(NCS)2. Synthetic Metals, 1997, 85, 1573-1574.	3.9	44
56	Evidence for theS=9excited state inMn12-bromoacetate measured by electron paramagnetic resonance. Physical Review B, 2004, 70, .	3.2	44
57	Determination of the Fermi velocity by angle-dependent periodic orbit resonance measurements in the organic conductorÎ±â^'(BEDTâ^'TTF)2KHg(SCN)4. Physical Review B, 2002, 66, .	3.2	43
58	A 9.2-GHz clock transition in a Lu(II) molecular spin qubit arising from a 3,467-MHz hyperfine interaction. Nature Chemistry, 2022, 14, 392-397.	13.6	43
59	Resonant magnetoabsorption of millimeter-wave radiation in the quasi-two-dimensional organic metals Î±-(BEDT-TTF)2MHg(SCN)4(M=K,Tl). Physical Review B, 1996, 53, 12794-12803.	3.2	42
60	Single crystal EPR determination of the spin Hamiltonian parameters for Fe8 molecular clusters. Polyhedron, 2001, 20, 1441-1445.	2.2	40
61	Quantum Melting of the Quasi-Two-Dimensional Vortex Lattice inÎ²-(ET)2Cu(NCS)2. Physical Review Letters, 2001, 86, 2130-2133.	7.8	40
62	Strongly Correlated Electrons in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="false">[</mml:mo><mml:mi>Ni</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>hmp</mml:mi><mml:mo stretchy="false">)</mml:mo><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mi>OH</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 452 Td (str	7.8	40
63	stretchy="false">]</mml:mo><mml:mn>4</mml:mn></mml:msub></mml:math>Single Molecule Magnet: Single-Molecule-Magnet Behavior and Spin Changes Affected by Crystal Packing Effects. Inorganic Chemistry, 2008, 47, 8610-8612.	4.0	39
64	Isolation and electronic structures of derivatized manganocene, ferrocene and cobaltocene anions. Nature Chemistry, 2021, 13, 243-248.	13.6	39
65	Quantum limit and anomalous field-induced insulating behavior in Î·-Mo4O11s. Physical Review B, 1997, 55, 2018-2031.	3.2	38
66	Cyclotron Resonance in the Layered Perovskite SuperconductorSr2RuO4. Physical Review Letters, 2000, 84, 3374-3377.	7.8	37
67	Characterization of theS=9excited state inFe8Br8by electron paramagnetic resonance. Physical Review B, 2003, 68, .	3.2	36
68	Synthesis, Structure, and Spectroscopic and Magnetic Characterization of [Mn₁₂O₁₂(O₂CCH₂Bu^t)₁₆(MeOH)₄]Â·Me a Mn₁₂ Single-Molecule Magnet with True Axial Symmetry. Inorganic Chemistry, 2013, 52, 258-272.	4.0	36
69	Heterometallic Integer-Spin Analogues of S = 9/2 Mn4 Cubane Single-Molecule Magnets. Inorganic Chemistry, 2008, 47, 3188-3204.	4.0	35
70	A comparison between high-symmetry Mn12 single-molecule magnets in different ligand/solvent environments. Polyhedron, 2005, 24, 2284-2292.	2.2	34
71	Role of anisotropy in the spin-dimer compoundBaCuSi2O6. Physical Review B, 2006, 74, .	3.2	34
72	Analysis of vibronic coupling in a 4f molecular magnet with FIRMS. Nature Communications, 2022, 13, 825.	12.8	34

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73	Cyclotron resonance studies of electron dynamics in BEDT-TTF salts. Synthetic Metals, 1993, 56, 2566-2571.	3.9	33
74	Studies of magnetic properties and HFEPR of octanuclear manganese single-molecule magnets. Dalton Transactions, 2010, 39, 10160.	3.3	33
75	Spin-orbit effects in heavy-atom organic radical ferromagnets. Physical Review B, 2012, 85, .	3.2	33
76	Crystal lattice desolvation effects on the magnetic quantum tunneling of single-molecule magnets. Physical Review B, 2009, 80, .	3.2	32
77	Pressure dependence of the exchange anisotropy in an organic ferromagnet. Physical Review B, 2015, 91, .	3.2	32
78	Decoherence in Molecular Electron Spin Qubits: Insights from Quantum Many-Body Simulations. Journal of Physical Chemistry Letters, 2020, 11, 2074-2078.	4.6	32
79	Bulk quantum Hall effect: Evidence that surface states play a key role. Physical Review B, 1997, 55, R4891-R4894.	3.2	31
80	Radical Dimerization in a Plastic Organic Crystal Leads to Structural and Magnetic Bistability with Wide Thermal Hysteresis. Journal of the American Chemical Society, 2019, 141, 17989-17994.	13.7	31
81	Radical-lanthanide ferromagnetic interaction in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">T</mml:mi><mml:msup><mml:mrow><mml:mi mathvariant="normal">b</mml:mi></mml:mrow><mml:mi>III</mml:mi></mml:msup></mml:mrow></mml:math> bis-phthalocyaninato complex. Physical Review Materials, 2018, 2, .	2.4	29
82	A flexible iron(<scp>ii</scp>) complex in which zero-field splitting is resistant to structural variation. Chemical Science, 2016, 7, 416-423.	7.4	28
83	Frequency-Swept Integrated and Stretched Solid Effect Dynamic Nuclear Polarization. Journal of Physical Chemistry Letters, 2018, 9, 3187-3192.	4.6	28
84	A spectroscopic comparison between several high-symmetry S=10 Mn12 single-molecule magnets. Journal of Applied Physics, 2005, 97, 10M510.	2.5	27
85	Origin of the fast magnetization tunneling in tetranuclear nickel single-molecule magnets. Polyhedron, 2005, 24, 2280-2283.	2.2	26
86	Quantum tunneling of magnetization in trigonal single-molecule magnets. Physical Review B, 2012, 85, .	3.2	26
87	Half-Integer Spin Heptanuclear Single-Molecule Magnet with an Unusual MnIII6MnII Exchange-Coupled Core. Inorganic Chemistry, 2012, 51, 4448-4457.	4.0	26
88	Direct observation of mixing of spin multiplets in an antiferromagnetic molecular nanomagnet by electron paramagnetic resonance. Physical Review B, 2007, 76, .	3.2	25
89	Magnetic quantum tunneling: key insights from multi-dimensional high-field EPR. Physical Chemistry Chemical Physics, 2009, 11, 6743.	2.8	25
90	Asymmetric Berry-Phase Interference Patterns in a Single-Molecule Magnet. Physical Review Letters, 2011, 106, 227201.	7.8	25

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91	A comparative high frequency EPR study of monomeric and dimeric Mn 4 single-molecule magnets. Polyhedron, 2003, 22, 1911-1916.	2.2	24
92	Angle-Resolved Mapping of the Fermi Velocity in a Quasi-Two-Dimensional Organic Conductor. Physical Review Letters, 2003, 91, 216402.	7.8	24
93	Coherent Spin Dynamics in Molecular Cr₈Zn Wheels. Journal of Physical Chemistry Letters, 2015, 6, 5062-5066.	4.6	23
94	Spin state solvomorphism in a series of rare S = 1 manganese(iii) complexes. Dalton Transactions, 2019, 48, 15560-15566.	3.3	23
95	A multifrequency-resonator-based system for high-sensitivity high-field EPR investigations of small single crystals. Applied Magnetic Resonance, 1999, 16, 237-245.	1.2	22
96	Josephson plasma resonance inÎºâˆ’(BEDTâˆ’TTF)2Cu(NCS)2. Physical Review B, 2000, 62, 5965-5970.	3.2	22
97	Electrodynamics of quasi-two-dimensional BEDT-TTF charge transfer salts. Physical Review B, 2000, 62, 8699-8702.	3.2	22
98	Anisotropy of the Superconducting Order Parameter inÎºâˆ’(BEDTâˆ’TTF)2Cu(NCS)2. Physical Review Letters, 2001, 86, 3451-3451.	7.8	22
99	Origin of the fast magnetization tunneling in the single-molecule magnet [Ni(hmp)(t-BuEtOH)Cl]4. Journal of Applied Physics, 2005, 97, 10M501.	2.5	22
100	Cationic Mn₄ Single-Molecule Magnet with a Sterically Isolated Core. Inorganic Chemistry, 2011, 50, 7367-7369.	4.0	22
101	Toward increased concentration sensitivity for continuous wave EPR investigations of spin-labeled biological macromolecules at high fields. Journal of Magnetic Resonance, 2016, 265, 188-196.	2.1	22
102	Electron paramagnetic resonance linewidths and line shapes for the molecular magnets Fe[sub 8] and Mn[sub 12]. Journal of Applied Physics, 2002, 91, 7167.	2.5	21
103	Effects of quantum mechanics on the deflagration threshold in the molecular magnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Mn</mml:mtext></mml:mrow><mml:mrow><mml:mn>12</mml:mn> Physical Review B, 2009, 79, .	3.2	21
104	A comparative EPR study of high- and low-spin Mn6 single-molecule magnets. Polyhedron, 2009, 28, 1788-1791.	2.2	21
105	Anisotropy barrier reduction in fast-relaxingMn12single-molecule magnets. Physical Review B, 2009, 80, .	3.2	21
106	Applying Unconventional Spectroscopies to the Singleâ€Molecule Magnets, Co(PPh₃)₂X₂(X=Cl, Br, I): Unveiling Magnetic Transitions and Spinâ€Phonon Coupling. Chemistry - A European Journal, 2021, 27, 11110-11125.	3.3	21
107	Cyclotron resonance of high-mobility GaAs/AlGaAs (311) 2DHGs. Semiconductor Science and Technology, 1993, 8, 1465-1469.	2.0	20
108	Periodic-orbit resonance in the quasi-one-dimensional organic superconductor(TMTSF)2ClO4. Physical Review B, 2005, 72, .	3.2	20

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109	Magnetization tunneling in high-symmetry Mn12 single-molecule magnets. Polyhedron, 2013, 64, 128-135.	2.2	20
110	Synthesis, Crystal Structures, and EPR Studies of First Mn^{III}Ln^{III} Hetero-binuclear Complexes. Inorganic Chemistry, 2018, 57, 326-334.	4.0	20
111	Collective cyclotron modes in high-mobility two-dimensional hole systems in GaAs - (Ga, Al)As heterojunctions: I. Experiments at low magnetic fields and theory. Journal of Physics Condensed Matter, 1997, 9, 3163-3179.	1.8	19
112	Synthesis, Magnetism, and High-Frequency EPR Spectroscopy of a Family of Mixed-Valent Cuboctahedral Mn13Complexes with 1,8-Naphthalenedicarboxylate Ligands. Inorganic Chemistry, 2008, 47, 11180-11190.	4.0	19
113	New Nanostructured Materials: Synthesis of Dodecanuclear Ni^{II} Complexes and Surface Deposition Studies. Chemistry - A European Journal, 2013, 19, 9064-9071.	3.3	19
114	Spectroscopy Methods for Molecular Nanomagnets. Structure and Bonding, 2014, , 231-291.	1.0	19
115	Strong Electronic and Magnetic Coupling in M₄ (M = Ni, Cu) Clusters via Direct Orbital Interactions between Low-Coordinate Metal Centers. Journal of the American Chemical Society, 2020, 142, 19161-19169.	13.7	19
116	Magneto-optical and magneto-transport studies of electron- electron interactions in organic conductors using fields up to 50T. Physica B: Condensed Matter, 1993, 184, 470-480.	2.7	17
117	Electronic and magnetic structure of neutral radical FBBO. Physical Review B, 2014, 89, .	3.2	17
118	In-depth investigation of large axial magnetic anisotropy in monometallic 3d complexes using frequency domain magnetic resonance and abÂinitio methods: a study of trigonal bipyramidal Co(<scp>ii</scp>). Chemical Science, 2019, 10, 6354-6361.	7.4	17
119	Cyclotron resonance studies of electron dynamics in ET charge transfer salts. Synthetic Metals, 1995, 70, 821-822.	3.9	16
120	Origin of magnetization tunneling in single-molecule magnets as determined by single-crystal high-frequency EPR. Inorganica Chimica Acta, 2008, 361, 3465-3480.	2.4	16
121	Anisotropic exchange in a tetranuclear CoII complex. Polyhedron, 2009, 28, 1922-1926.	2.2	16
122	Accidentally on purpose: construction of a ferromagnetic, oxime-based [MnIII2] dimer. Dalton Transactions, 2011, 40, 9999.	3.3	16
123	Short range ordering in the modified honeycomb lattice compound SrHo₂O₄. Journal of Physics Condensed Matter, 2011, 23, 164203.	1.8	16
124	Synthetic, structural, spectroscopic and theoretical study of a Mn(<scp>iii</scp>)â€“Cu(<scp>ii</scp>) dimer containing a Jahnâ€“Teller compressed Mn ion. Dalton Transactions, 2013, 42, 207-216.	3.3	16
125	Gadolinium based endohedral metallofullerene Gd2@C79N as a relaxation boosting agent for dissolution DNP at high fields. Chemical Communications, 2018, 54, 2425-2428.	4.1	16
126	Large volume liquid state scalar Overhauser dynamic nuclear polarization at high magnetic field. Physical Chemistry Chemical Physics, 2019, 21, 21200-21204.	2.8	16

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127	Magnetic anisotropy in thin films of Prussian blue analogues. Physical Review B, 2010, 82, .	3.2	15
128	Ambivalent binding between a radical-based pincer ligand and iron. Dalton Transactions, 2015, 44, 10516-10523.	3.3	15
129	Intercalation of Coordinatively Unsaturated Fe^{III} Ion within Interpenetrated Metalâ€“Organic Framework MOFâ€5. Chemistry - A European Journal, 2016, 22, 7711-7715.	3.3	15
130	Isolation of a triplet benzene dianion. Nature Chemistry, 2021, 13, 1001-1005.	13.6	15
131	Spin dynamics in single-molecule magnets combining surface acoustic waves and high-frequency electron paramagnetic resonance. Physical Review B, 2008, 77, .	3.2	14
132	Slow magnetic relaxation in a {Co^{II}CoIII2} complex containing a high magnetic anisotropy trigonal bipyramidal Co^{II} centre. Dalton Transactions, 2018, 47, 9237-9240.	3.3	14
133	Millimeter-wave spectroscopy of low-dimensional molecular metals in high magnetic fields. Physica B: Condensed Matter, 1998, 246-247, 110-116.	2.7	13
134	Tunneling and inversion symmetry in single-molecule magnets: The case of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Mn</mml:mtext></mml:mrow><mml:mrow><mml:mn>12</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> molecule. Physical Review B, 2010, 82, .	3.2	13
135	A Dimeric Hydride-Bridged Complex with Geometrically Distinct Iron Centers Giving Rise to an S = 3 Ground State. Journal of the American Chemical Society, 2019, 141, 11970-11975.	13.7	13
136	Spectroscopic Investigation of a Metalâ€“Metal-Bonded Fe₆ Single-Molecule Magnet with an Isolated S = ¹⁹/₂ Giant-Spin Ground State. Inorganic Chemistry, 2021, 60, 4610-4622.	4.0	13
137	Search for new iron single-molecule magnets. Polyhedron, 2003, 22, 1865-1870.	2.2	12
138	High frequency electron paramagnetic resonance (HFEPR) study of a high spin Co(II) complex. Polyhedron, 2007, 26, 2299-2303.	2.2	12
139	Spin decoherence in an iron-based magnetic cluster. Polyhedron, 2011, 30, 3193-3196.	2.2	12
140	Magnetization quantum tunneling and improper rotational symmetry. Polyhedron, 2013, 66, 147-152.	2.2	12
141	Local and Cooperative Jahnâ€“Teller Effect and Resultant Magnetic Properties of M₂AgF₄ (M = Naâ€“Cs) Phases. Inorganic Chemistry, 2016, 55, 11479-11489.	4.0	12
142	Unravelling competing microscopic interactions at a phase boundary: A single-crystal study of the metastable antiferromagnetic pyrochlore Yb2Ge2O7. Physical Review B, 2020, 102, .	3.2	12
143	Long-Range Ferromagnetic Exchange Interactions Mediated by Mnâ€“Ce^{IV}â€“Mn Superexchange Involving Empty 4f Orbitals. Inorganic Chemistry, 2020, 59, 8716-8726.	4.0	12
144	Homochiral Mn³⁺ Spin-Crossover Complexes: A Structural and Spectroscopic Study. Inorganic Chemistry, 2022, 61, 3458-3471.	4.0	12

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145	Cyclotron resonance to 100 mK of a GaAs heterojunction in the ultra-quantum limit. Surface Science, 1994, 305, 33-41.	1.9	11
146	Cyclotron resonance and spin states in GaAs/Ga1â^'xAlxAs heterojunctions: Experiment and theory. Physical Review B, 1996, 54, 13807-13815.	3.2	11
147	High-frequency EPR characterization of a triangular Mn3 single-molecule magnet. Polyhedron, 2007, 26, 2225-2229.	2.2	11
148	EPR characterization of half-integer-spin iron molecule-based magnets. Polyhedron, 2007, 26, 2243-2246.	2.2	11
149	Structureâ€Property Relationships in Tricyanoferrate(III) Building Blocks and Trinuclear Cyanideâ€Bridged Complexes. European Journal of Inorganic Chemistry, 2016, 2016, 2432-2442.	2.0	11
150	Insights into Molecular Magnetism in Metalâ€“Metal Bonded Systems as Revealed by a Spectroscopic and Computational Analysis of Diiron Complexes. Inorganic Chemistry, 2020, 59, 18141-18155.	4.0	11
151	High magnetic field millimetre and submillimetre spectroscopy of ultra-high mobility 2D hole systems. Physica B: Condensed Matter, 1995, 211, 440-443.	2.7	10
152	Ferromagnetic exchange in a twisted, oxime-bridged [MnIII2] dimer. Dalton Transactions, 2012, 41, 8340.	3.3	10
153	EPR studies of a cyano-bridged {Fe2IIINiII} coordination complex and its corresponding FeIII mononuclear building-block. Polyhedron, 2013, 59, 48-51.	2.2	10
154	A 3D interpenetrated Co(II)-glutarate coordination polymer: Synthesis, crystal structure, magnetic and adsorption properties. Inorganica Chimica Acta, 2020, 511, 119791.	2.4	10
155	On the origin of anomalous EPR peaks observed in Mn 12 â€“Ac. Polyhedron, 2003, 22, 1897-1904.	2.2	9
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