

Stephen Hill

List of Publications by Year in descending order

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240
papers

8,971
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47006

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all docs

250
docs citations

250
times ranked

5825
citing authors

#	ARTICLE	IF	CITATIONS
1	Extreme g -Tensor Anisotropy and Its Insensitivity to Structural Distortions in a Family of Linear Two-Coordinate Ni(II) Bis-N-heterocyclic Carbene Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 1308-1315.	4.0	8
2	Analysis of vibronic coupling in a 4f molecular magnet with FIRMS. <i>Nature Communications</i> , 2022, 13, 825.	12.8	34
3	Homochiral Mn ³⁺ Spin-Crossover Complexes: A Structural and Spectroscopic Study. <i>Inorganic Chemistry</i> , 2022, 61, 3458-3471.	4.0	12
4	A 9.2-GHz clock transition in a Lu(III) molecular spin qubit arising from a 3,467-MHz hyperfine interaction. <i>Nature Chemistry</i> , 2022, 14, 392-397.	13.6	43
5	Extending the family of reduced [Mn ₁₂ O ₁₂ (O ₂ CR) ₁₆ (H ₂ O) _x] ⁿ⁺ complexes, and their sensitivity to environmental factors. <i>Polyhedron</i> , 2021, 195, 114968.	2.2	4
6	Isolation and electronic structures of derivatized manganocene, ferrocene and cobaltocene anions. <i>Nature Chemistry</i> , 2021, 13, 243-248.	13.6	39
7	Exchange-biased quantum tunnelling of magnetization in a [Mn ₃] ₂ dimer of single-molecule magnets with rare ferromagnetic inter-Mn ₃ coupling. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 8854-8867.	2.8	5
8	Spectroscopic Investigation of a Metal-Bonded Fe ₆ Single-Molecule Magnet with an Isolated $S = 19$ Giant-Spin Ground State. <i>Inorganic Chemistry</i> , 2021, 60, 4610-4622.	4.0	13
9	Long-Range Magnetic Exchange Pathways in Complex Clusters from First Principles. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11124-11131.	3.1	4
10	Applying Unconventional Spectroscopies to the Single-Molecule Magnets, Co(PPh ₃) ₂ X ₂ (X=Cl, Br, I): Unveiling Magnetic Transitions and Spin-Phonon Coupling. <i>Chemistry - A European Journal</i> , 2021, 27, 11110-11125.	3.3	21
11	Isolation of a triplet benzene dianion. <i>Nature Chemistry</i> , 2021, 13, 1001-1005.	13.6	15
12	Insights into Molecular Magnetism in Metal-Bonded Systems as Revealed by a Spectroscopic and Computational Analysis of Diiron Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 18141-18155.	4.0	11
13	Strong Electronic and Magnetic Coupling in M ₄ (M = Ni, Cu) Clusters via Direct Orbital Interactions between Low-Coordinate Metal Centers. <i>Journal of the American Chemical Society</i> , 2020, 142, 19161-19169.	13.7	19
14	Magnetostructural and EPR Studies of Anisotropic Vanadium <i>trans</i> -Dicyanide Molecules. <i>Inorganic Chemistry</i> , 2020, 59, 13262-13269.	4.0	7
15	Unravelling competing microscopic interactions at a phase boundary: A single-crystal study of the metastable antiferromagnetic pyrochlore Yb ₂ Ge ₂ O ₇ . <i>Physical Review B</i> , 2020, 102, .	3.2	12
16	A 3D interpenetrated Co(II)-glutarate coordination polymer: Synthesis, crystal structure, magnetic and adsorption properties. <i>Inorganica Chimica Acta</i> , 2020, 511, 119791.	2.4	10
17	Long-Range Ferromagnetic Exchange Interactions Mediated by Mn-Ce ^{IV} -Mn Superexchange Involving Empty 4f Orbitals. <i>Inorganic Chemistry</i> , 2020, 59, 8716-8726.	4.0	12
18	Access to Heteroleptic Fluorido-Cyanido Complexes with a Large Magnetic Anisotropy by Fluoride Abstraction. <i>Angewandte Chemie</i> , 2020, 132, 10392-10396.	2.0	2

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19	Access to Heteroleptic Fluoridoâ€Cyanido Complexes with a Large Magnetic Anisotropy by Fluoride Abstraction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10306-10310.	13.8	6
20	Decoherence in Molecular Electron Spin Qubits: Insights from Quantum Many-Body Simulations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2074-2078.	4.6	32
21	Spin state solvomorphism in a series of rare S = 1 manganese(III) complexes. <i>Dalton Transactions</i> , 2019, 48, 15560-15566.	3.3	23
22	A Dimeric Hydride-Bridged Complex with Geometrically Distinct Iron Centers Giving Rise to an $S = 3$ Ground State. <i>Journal of the American Chemical Society</i> , 2019, 141, 11970-11975.	13.7	13
23	Small non-uniform basal crystal fields in HVPE free-standing GaN:Mg as evidenced by angular dependent and frequency-dependent EPR. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 345702.	1.8	2
24	Synthesis, Magnetic and High-Field EPR Investigation of Two Tetranuclear Ni ^{II} -Based Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 14420-14428.	4.0	5
25	Radical Dimerization in a Plastic Organic Crystal Leads to Structural and Magnetic Bistability with Wide Thermal Hysteresis. <i>Journal of the American Chemical Society</i> , 2019, 141, 17989-17994.	13.7	31
26	Silver route to cuprate analogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1495-1500.	7.1	47
27	Large volume liquid state scalar Overhauser dynamic nuclear polarization at high magnetic field. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21200-21204.	2.8	16
28	In-depth investigation of large axial magnetic anisotropy in monometallic 3d complexes using frequency domain magnetic resonance and <i>ab initio</i> methods: a study of trigonal bipyramidal Co(^{II}). <i>Chemical Science</i> , 2019, 10, 6354-6361.	7.4	17
29	Molecular spins for quantum computation. <i>Nature Chemistry</i> , 2019, 11, 301-309.	13.6	508
30	Toward a Microscopic Understanding of the Magnetization Behavior of a Multimolecular Single Crystal of Radical-Bridged [Dy ^{III} ₄] Cubane Units: A Joint <i>Ab Initio</i> , Micro-Superconducting Quantum Interference Device, and Electron Paramagnetic Resonance Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11128-11135.	3.1	4
31	Gadolinium based endohedral metallofullerene Gd ₂ @C ₇₉ N as a relaxation boosting agent for dissolution DNP at high fields. <i>Chemical Communications</i> , 2018, 54, 2425-2428.	4.1	16
32	A quasi-optical and corrugated waveguide microwave transmission system for simultaneous dynamic nuclear polarization NMR on two separate 14.1 T spectrometers. <i>Journal of Magnetic Resonance</i> , 2018, 289, 35-44.	2.1	49
33	Synthesis, Crystal Structures, and EPR Studies of First Mn ^{III} Ln ^{III} Hetero-binuclear Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 326-334.	4.0	20
34	Self-assembly of a mixed-valence Fe ^{II} Fe ^{III} tetranuclear star. <i>Dalton Transactions</i> , 2018, 47, 7118-7122.	3.3	4
35	Probing Fe ^V Bonding in a C_3 -Symmetric Heterobimetallic Complex. <i>Inorganic Chemistry</i> , 2018, 57, 5870-5878.	4.0	9
36	Magic-angle effects in a trigonal Mn_3 cluster: Deconstruction of a single-molecule magnet. <i>Physical Review B</i> , 2018, 98, .	3.2	17

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37	Frequency-Swept Integrated and Stretched Solid Effect Dynamic Nuclear Polarization. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3187-3192.	4.6	28
38	Investigating the thermally- and light-induced interconversion of bisdithiazolyl radicals and dimers with high-field EPR. <i>Polyhedron</i> , 2018, 153, 99-103.	2.2	5
39	Slow magnetic relaxation in a $\{Co^{II}\}_{2}$ complex containing a high magnetic anisotropy trigonal bipyramidal Co^{II} centre. <i>Dalton Transactions</i> , 2018, 47, 9237-9240.	3.3	14
40	Radical-lanthanide ferromagnetic interaction in a Tb^{III} -bis-phthalocyaninato complex. <i>Physical Review Materials</i> , 2018, 2, 014401.	2.4	29
41	Magneto-Structural Correlations in Pseudotetrahedral Forms of the $[Co(SPh)_4]^{2-}$ Complex Probed by Magnetometry, MCD Spectroscopy, Advanced EPR Techniques, and ab Initio Electronic Structure Calculations. <i>Inorganic Chemistry</i> , 2017, 56, 3102-3118.	4.0	74
42	Effects of uniaxial pressure on the quantum tunneling of magnetization in a high-symmetry Mn_{12} single-molecule magnet. <i>Physical Review B</i> , 2017, 95, .	3.2	7
43	Structural, Spectroscopic, and Theoretical Investigation of a T-Shaped $[Fe_3(\mu_3-O)]$ Cluster. <i>Inorganic Chemistry</i> , 2017, 56, 10861-10874.	4.0	6
44	Toward increased concentration sensitivity for continuous wave EPR investigations of spin-labeled biological macromolecules at high fields. <i>Journal of Magnetic Resonance</i> , 2016, 265, 188-196.	2.1	22
45	Structure-Property Relationships in Tricyanoferrate(III) Building Blocks and Trinuclear Cyanide-Bridged Complexes. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2432-2442.	2.0	11
46	Two coordination polymers containing the dicyanamide ligand: Synthesis, crystal structures, and HF-EPR studies. <i>Inorganica Chimica Acta</i> , 2016, 451, 59-64.	2.4	1
47	Local and Cooperative Jahn-Teller Effect and Resultant Magnetic Properties of M_2AgF_4 ($M = Na-Cs$) Phases. <i>Inorganic Chemistry</i> , 2016, 55, 11479-11489.	4.0	12
48	Spin Crossover in Fe(II) Complexes with N_4S_2 Coordination. <i>Inorganic Chemistry</i> , 2016, 55, 5904-5913.	4.0	49
49	Intercalation of Coordinatively Unsaturated Fe^{III} Ion within Interpenetrated Metal-Organic Framework MOF-5. <i>Chemistry - A European Journal</i> , 2016, 22, 7711-7715.	3.3	15
50	A flexible iron(II) complex in which zero-field splitting is resistant to structural variation. <i>Chemical Science</i> , 2016, 7, 416-423.	7.4	28
51	Supramolecular aggregates of single-molecule magnets: exchange-biased quantum tunneling of magnetization in a rectangular $[Mn_3]_4$ tetramer. <i>Chemical Science</i> , 2016, 7, 1156-1173.	7.4	47
52	Enhancing coherence in molecular spin qubits via atomic clock transitions. <i>Nature</i> , 2016, 531, 348-351.	27.8	442
53	Covalently Linked Dimer of Mn_3 Single-Molecule Magnets and Retention of Its Structure and Quantum Properties in Solution. <i>Journal of the American Chemical Society</i> , 2015, 137, 7160-7168.	13.7	50
54	Coherent Spin Dynamics in Molecular Cr_8Zn Wheels. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 5062-5066.	4.6	23

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73	Giant Ising-Type Magnetic Anisotropy in Trigonal Bipyramidal Ni(II) Complexes: Experiment and Theory. <i>Journal of the American Chemical Society</i> , 2013, 135, 3017-3026.	13.7	135
74	Reprint of "EPR studies of a cyano-bridged {Fe ^{II} Ni ^{III} } coordination complex and its corresponding Fe ^{III} mononuclear building-block". <i>Polyhedron</i> , 2013, 66, 279-282.	2.2	1
75	Magnetization tunneling in high-symmetry Mn ₁₂ single-molecule magnets. <i>Polyhedron</i> , 2013, 64, 128-135.	2.2	20
76	Single-crystal EPR spectroscopy of a Co(II) single-chain magnet. <i>Polyhedron</i> , 2013, 66, 218-221.	2.2	9
77	New Nanostructured Materials: Synthesis of Dodecanuclear Ni ^{II} Complexes and Surface Deposition Studies. <i>Chemistry - A European Journal</i> , 2013, 19, 9064-9071.	3.3	19
78	Electron spin resonance studies of trityl OX063 at a concentration optimal for DNP. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9800.	2.8	81
79	EPR studies of a cyano-bridged {Fe ^{II} Ni ^{III} } coordination complex and its corresponding Fe ^{III} mononuclear building-block. <i>Polyhedron</i> , 2013, 59, 48-51.	2.2	10
80	Microwave-induced excitations in the kagome system Pr ₃ Ga ₅ SiO ₁₄ . <i>Physical Review B</i> , 2013, 88, .	3.2	6
81	Spin-orbit effects in heavy-atom organic radical ferromagnets. <i>Physical Review B</i> , 2012, 85, .	3.2	33
82	Quantum tunneling of magnetization in trigonal single-molecule magnets. <i>Physical Review B</i> , 2012, 85, .	3.2	26
83	Slow magnetic relaxation in a pseudotetrahedral cobalt(ii) complex with easy-plane anisotropy. <i>Chemical Communications</i> , 2012, 48, 3927.	4.1	272
84	Multi-frequency EPR studies of a mononuclear holmium single-molecule magnet based on the polyoxometalate [Ho ^{III} (W ₅ O ₁₈) ₂] ⁹⁻ . <i>Dalton Transactions</i> , 2012, 41, 13697.	3.3	88
85	Half-Integer Spin Heptanuclear Single-Molecule Magnet with an Unusual Mn ^{III} ₆ Mn ^{II} Exchange-Coupled Core. <i>Inorganic Chemistry</i> , 2012, 51, 4448-4457.	4.0	26
86	Slow Magnetic Relaxation Induced by a Large Transverse Zero-Field Splitting in a Mn ^{II} Re ^{IV} (CN) ₂ Single-Chain Magnet. <i>Journal of the American Chemical Society</i> , 2012, 134, 7521-7529.	13.7	118
87	Pressure-Driven Orbital Reorientations and Coordination-Sphere Reconstructions in [CuF ₂ (H ₂ O) ₂ (pyz)]. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7490-7494.	13.8	47
88	Ferromagnetic exchange in a twisted, oxime-bridged [Mn ^{III}] ₂ dimer. <i>Dalton Transactions</i> , 2012, 41, 8340.	3.3	10
89	Magnetic Anisotropy in a Heavy Atom Radical Ferromagnet. <i>Journal of the American Chemical Society</i> , 2011, 133, 8126-8129.	13.7	46
90	Accidentally on purpose: construction of a ferromagnetic, oxime-based [Mn ^{III}] ₂ dimer. <i>Dalton Transactions</i> , 2011, 40, 9999.	3.3	16

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91	Cationic Mn ₄ Single-Molecule Magnet with a Sterically Isolated Core. Inorganic Chemistry, 2011, 50, 7367-7369.	4.0	22
92	Electron magnetic resonance studies of the Pr ₃ Ga ₅ SiO ₁₄ and Nd ₃ Ga ₅ SiO ₁₄ kagom� systems. Journal of Applied Physics, 2011, 109, .	2.5	6
93	EPR and magnetic quantum tunneling studies of the mixed valent [Mn ^{IV} (anca) ₄ (Hedea) ₂ (edea) ₂] ²⁺ ·2CHCl ₃ , EtOH single-molecule magnet. Polyhedron, 2011, 30, 2965-2968.	2.2	6
94	Spin decoherence in an iron-based magnetic cluster. Polyhedron, 2011, 30, 3193-3196.	2.2	12
95	Asymmetric Berry-Phase Interference Patterns in a Single-Molecule Magnet. Physical Review Letters, 2011, 106, 227201.	7.8	25
96	Relieving frustration: The case of antiferromagnetic Mn ₃ molecular triangles. Physical Review B, 2011, 84, .	3.2	8
97	Short range ordering in the modified honeycomb lattice compound SrHo ₂ O ₄ . Journal of Physics Condensed Matter, 2011, 23, 164203.	1.8	16
98	Magnetic anisotropy in thin films of Prussian blue analogues. Physical Review B, 2010, 82, .	3.2	15
99	Studies of magnetic properties and HFEPN of octanuclear manganese single-molecule magnets. Dalton Transactions, 2010, 39, 10160.	3.3	33
100	Magnetic quantum tunneling: insights from simple molecule-based magnets. Dalton Transactions, 2010, 39, 4693.	3.3	129
101	Tunneling and inversion symmetry in single-molecule magnets: The case of the Mn ₁₂ molecule. Physical Review B, 2010, 82, .	3.2	13
102	Binding of Higher Alcohols onto Mn ₁₂ Single-Molecule Magnets (SMMs): Access to the Highest Barrier Mn ₁₂ SMM. Inorganic Chemistry, 2010, 49, 1325-1336.	4.0	51
103	Effects of quantum mechanics on the deflagration threshold in the molecular magnet Mn ₁₂ . Physical Review B, 2009, 79, .	3.2	21
104	Comment on "Influence of the Dzyaloshinskii-Moriya Exchange Interaction on Quantum Phase Interference of Spins". Physical Review Letters, 2009, 103, 059701; author reply 059702.	7.8	9
105	A Caveat for Single-Molecule Magnetism: Non-linear Arrhenius Plots. ChemPhysChem, 2009, 10, 2397-2400.	2.1	48
106	Anisotropic exchange in a tetranuclear Coll complex. Polyhedron, 2009, 28, 1922-1926.	2.2	16
107	A comparative EPR study of high- and low-spin Mn ₆ single-molecule magnets. Polyhedron, 2009, 28, 1788-1791.	2.2	21
108	Twisting, bending, stretching: strategies for making ferromagnetic [MnIII ₃] triangles. Dalton Transactions, 2009, , 9157.	3.3	90

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109	Manifestation of Spin Selection Rules on the Quantum Tunneling of Magnetization in a Single-Molecule Magnet. <i>Physical Review Letters</i> , 2009, 103, 017202.	7.8	53
110	Crystal lattice desolvation effects on the magnetic quantum tunneling of single-molecule magnets. <i>Physical Review B</i> , 2009, 80, .	3.2	32
111	Nanomodulation of Molecular Nanomagnets. <i>Inorganic Chemistry</i> , 2009, 48, 3480-3492.	4.0	49
112	Anisotropy barrier reduction in fast-relaxing Mn ₁₂ single-molecule magnets. <i>Physical Review B</i> , 2009, 80, .	3.2	21
113	Attempting to understand (and control) the relationship between structure and magnetism in an extended family of Mn ₆ single-molecule magnets. <i>Dalton Transactions</i> , 2009, , 3403.	3.3	146
114	Magnetic quantum tunneling: key insights from multi-dimensional high-field EPR. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6743.	2.8	25
115	Origin of magnetization tunneling in single-molecule magnets as determined by single-crystal high-frequency EPR. <i>Inorganica Chimica Acta</i> , 2008, 361, 3465-3480.	2.4	16
116	Disorder and Intermolecular Interactions in a Family of Tetranuclear Ni(II) Complexes Probed by High-Frequency Electron Paramagnetic Resonance. <i>Inorganic Chemistry</i> , 2008, 47, 1965-1974.	4.0	67
117	Quantum interference of tunnel trajectories between states of different spin length in a dimeric molecular nanomagnet. <i>Nature Physics</i> , 2008, 4, 277-281.	16.7	77
118	Spin dynamics in single-molecule magnets combining surface acoustic waves and high-frequency electron paramagnetic resonance. <i>Physical Review B</i> , 2008, 77, .	3.2	14
119	Synthesis, Magnetism, and High-Frequency EPR Spectroscopy of a Family of Mixed-Valent Cuboctahedral Mn ₁₃ Complexes with 1,8-Naphthalenedicarboxylate Ligands. <i>Inorganic Chemistry</i> , 2008, 47, 11180-11190.	4.0	19
120	Synthesis and characterisation of a Ni ₄ single-molecule magnet with S ₄ symmetry. <i>Dalton Transactions</i> , 2008, , 6409.	3.3	83
121	Large Mn ²⁵ Single-Molecule Magnet with Spin <i>S</i> = 51: Magnetic and High-Frequency Electron Paramagnetic Resonance Spectroscopic Characterization of a Giant Spin State. <i>Inorganic Chemistry</i> , 2008, 47, 9459-9470.	4.0	56
122	Heterometallic Integer-Spin Analogues of S = 9/2 Mn ₄ Cubane Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2008, 47, 3188-3204.	4.0	35
123	Single-Molecule-Magnet Behavior and Spin Changes Affected by Crystal Packing Effects. <i>Inorganic Chemistry</i> , 2008, 47, 8610-8612.	4.0	39
124	Microwave detection of magnetic phase avalanches in La _{0.225} Pr _{0.4} Ca _{0.375} MnO ₃ manganites. <i>Europhysics Letters</i> , 2008, 82, 37005.	2.0	3
125	Strongly Correlated Electrons in the $\text{Ni}(\text{hmpR}(\text{OH})\text{Tj})\text{ETQq}_1$ Single Molecule Magnet: Microwave Spectroscopy of Q1D and Q2D Organic Conductors. <i>Springer Series in Materials Science</i> , 2008, , 457-484.	7.8	40
126	Microwave Spectroscopy of Q1D and Q2D Organic Conductors. <i>Springer Series in Materials Science</i> , 2008, , 457-484.	0.6	2

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127	Direct observation of mixing of spin multiplets in an antiferromagnetic molecular nanomagnet by electron paramagnetic resonance. <i>Physical Review B</i> , 2007, 76, .	3.2	25
128	Switching On the Properties of Single-Molecule Magnetism in Triangular Manganese(III) Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 9484-9499.	13.7	212
129	Diversity of New Structural Types in Polynuclear Iron Chemistry with a Tridentate N,N,O Ligand. <i>Inorganic Chemistry</i> , 2007, 46, 4535-4547.	4.0	47
130	On the validity of the giant spin approximation and its application to single-molecule magnets. <i>Polyhedron</i> , 2007, 26, 2065-2068.	2.2	9
131	High-frequency EPR characterization of a triangular Mn ₃ single-molecule magnet. <i>Polyhedron</i> , 2007, 26, 2225-2229.	2.2	11
132	EPR characterization of half-integer-spin iron molecule-based magnets. <i>Polyhedron</i> , 2007, 26, 2243-2246.	2.2	11
133	High frequency electron paramagnetic resonance (HFEP) study of a high spin Co(II) complex. <i>Polyhedron</i> , 2007, 26, 2299-2303.	2.2	12
134	Heterometallic Cubane Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2007, 46, 8126-8128.	4.0	56
135	Are Lebedev's Magic Angles Truly Magic?. <i>Journal of Low Temperature Physics</i> , 2007, 142, 315-318.	1.4	2
136	Calculation of the EPR Spectrum for an Entangled Dimer of S = 9/2 Mn ₄ Single-Molecule Magnets. <i>Journal of Low Temperature Physics</i> , 2007, 142, 271-276.	1.4	1
137	Role of anisotropy in the spin-dimer compound BaCuSi ₂ O ₆ . <i>Physical Review B</i> , 2006, 74, .	3.2	34
138	The Properties of the [Mn ₁₂ O ₁₂ (O ₂ CR) ₁₆ (H ₂ O) ₄] Single-Molecule Magnets in Truly Axial Symmetry: [Mn ₁₂ O ₁₂ (O ₂ CCH ₂ Br) ₁₆ (H ₂ O) ₄]. <i>Journal of the American Chemical Society</i> , 2006, 128, 6975-6989.	13.7	159
139	Entanglement of Exchange-Coupled Dimers of Single-Molecule Magnets. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	9
140	Fractal flux jumps in an organic superconducting crystal. <i>Solid State Communications</i> , 2006, 137, 611-614.	1.9	6
141	Magnetization tunneling in high-symmetry single-molecule magnets: Limitations of the giant spin approximation. <i>Physical Review B</i> , 2006, 74, .	3.2	86
142	Calculation of the EPR spectrum for an entangled dimer of S=9/2 Mn ₄ single-molecule magnets. <i>Journal of Low Temperature Physics</i> , 2006, 142, 267-272.	1.4	5
143	Are lebedev's magic angles truly magic?. <i>Journal of Low Temperature Physics</i> , 2006, 142, 311-314.	1.4	0
144	A comparison between high-symmetry Mn ₁₂ single-molecule magnets in different ligand/solvent environments. <i>Polyhedron</i> , 2005, 24, 2284-2292.	2.2	34

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145	Origin of the fast magnetization tunneling in tetranuclear nickel single-molecule magnets. <i>Polyhedron</i> , 2005, 24, 2280-2283.	2.2	26
146	Fast tunneling Jahn-Teller isomer of the $[Mn_{12}O_{12}(O_2CC_6H_4-2-CH_3)_{16}(H_2O)_4] \cdot S$ single-molecule magnet. <i>Polyhedron</i> , 2005, 24, 2557-2561.	2.2	8
147	Magnetic Quantum Tunneling in the Single-Molecule Magnet Mn_{12} -Acetate. <i>Journal of Low Temperature Physics</i> , 2005, 140, 119-174.	1.4	131
148	Origin of the fast magnetization tunneling in the single-molecule magnet $[Ni(hmp)(t-BuEtOH)Cl]_4$. <i>Journal of Applied Physics</i> , 2005, 97, 10M501.	2.5	22
149	A spectroscopic comparison between several high-symmetry $S=10$ Mn_{12} single-molecule magnets. <i>Journal of Applied Physics</i> , 2005, 97, 10M510.	2.5	27
150	Periodic-orbit resonance in the quasi-one-dimensional organic superconductor $(TMTSF)_2ClO_4$. <i>Physical Review B</i> , 2005, 72, .	3.2	20
151	Angle-resolved mapping of the Fermi velocity in quasi-two-dimensional conductors and superconductors: Probing quasiparticles in nodal superconductors. <i>Journal of Applied Physics</i> , 2005, 97, 10B106.	2.5	1
152	Single-Molecule Magnets: High-Field Electron Paramagnetic Resonance Evaluation of the Single-Ion Zero-Field Interaction in a $Zn_{13}Ni_{11}$ Complex. <i>Inorganic Chemistry</i> , 2005, 44, 3827-3836.	4.0	48
153	Rotating cavity for high-field angle-dependent microwave spectroscopy of low-dimensional conductors and magnets. <i>Review of Scientific Instruments</i> , 2005, 76, 023114.	1.3	70
154	FERMI SURFACE STUDIES OF QUASI-1D and QUASI-2D ORGANIC SUPERCONDUCTORS USING PERIODIC ORBIT RESONANCE IN HIGH MAGNETIC FIELDS. , 2005, , .		0
155	Discrete easy-axis tilting in Mn_{12} -acetate, as determined by EPR: Implications for the magnetic quantum tunneling mechanism. <i>Physical Review B</i> , 2004, 70, .	3.2	60
156	Evidence for the $S=9$ excited state in Mn_{12} -bromoacetate measured by electron paramagnetic resonance. <i>Physical Review B</i> , 2004, 70, .	3.2	44
157	Semiconductivity, spin delocalization, and excited states of the single molecule magnets Fe_8Br_8 and Mn_{12} -acetate (invited). <i>Journal of Applied Physics</i> , 2004, 95, 6900-6905.	2.5	7
158	FERMI SURFACE STUDIES OF QUASI-1D and QUASI-2D ORGANIC SUPERCONDUCTORS USING PERIODIC ORBIT RESONANCE IN HIGH MAGNETIC FIELDS. <i>International Journal of Modern Physics B</i> , 2004, 18, 3499-3504.	2.0	2
159	EPR and NMR characterization of the $S=9$ excited state and spin density distribution in the single-molecule magnet Fe_8Br_8 : Implications to the $S=10$ model and magnetization tunneling pathways. <i>Applied Magnetic Resonance</i> , 2004, 27, 151-163.	1.2	4
160	Temperature dependence of the Josephson plasma resonance between vortex phases in the organic superconductor $P-(BEDT-TTF)_2Cu(NCS)_2$. <i>Solid State Communications</i> , 2004, 131, 719-723.	1.9	0
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