

Liviu F Chibotaru

List of Publications by Year in Descending Order

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

206
papers

18,494
citations

68
h-index

133
g-index

215
ext. papers

20,351
ext. citations

7.5
avg, IF

6.81
L-index

#	Paper	IF	Citations
206	Toroidal centripetal arrangement of the magnetic moment in a Dy ₄ tetrahedron.. <i>Chemical Communications</i> , 2022 ,	5.8	3
205	Synchronous Temperature and Magnetic Field Dual-Sensing by Luminescence in a Dysprosium Single-Molecule Magnet. <i>Advanced Optical Materials</i> , 2021 , 9, 2101495	8.1	3
204	Field-induced oscillation of magnetization blocking barrier in a holmium metallocrown single-molecule magnet. <i>CheM</i> , 2021 , 7, 982-992	16.2	15
203	An unusual mechanism of building up of a high magnetization blocking barrier in an octahedral alkoxide Dy ³⁺ -based single-molecule magnet. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 1166-1174	6.8	16
202	Design of Fe ^{III} □n ^{III} binuclear complexes using compartmental ligands: synthesis, crystal structures, magnetic properties, and ab initio analysis. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10912-10926	7.1	3
201	Isolation of a triplet benzene dianion. <i>Nature Chemistry</i> , 2021 , 13, 1001-1005	17.6	4
200	Towards understanding the magnetism of Os(IV) complexes: an insight. <i>Dalton Transactions</i> , 2021 , 50, 12537-12546	4.3	0
199	Axial Elongation of Mononuclear Lanthanide Metallocenophanes: Magnetic Properties of Dysprosium- and Terbium-[1]Ruthenocenophane Complexes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13335-13340	16.4	4
198	An Inconspicuous Six-Coordinate Neutral Dy Single-Ion Magnet with Remarkable Magnetic Anisotropy and Stability. <i>Inorganic Chemistry</i> , 2020 , 59, 7158-7166	5.1	18
197	Highly Oxidized States of Phthalocyaninato Terbium(III) Multiple-Decker Complexes Showing Structural Deformations, Biradical Properties and Decreases in Magnetic Anisotropy. <i>Chemistry - A European Journal</i> , 2020 , 26, 8621-8630	4.8	10
196	Axial Elongation of Mononuclear Lanthanide Metallocenophanes: Magnetic Properties of Dysprosium- and Terbium-[1]Ruthenocenophane Complexes. <i>Angewandte Chemie</i> , 2020 , 132, 13437-13442	3.6	3
195	Yu-Shiba-Rusinov bands in ferromagnetic superconducting diamond. <i>Science Advances</i> , 2020 , 6, eaaz2536	4.3	2
194	Modern quantum chemistry with [Open]Molcas. <i>Journal of Chemical Physics</i> , 2020 , 152, 214117	3.9	106
193	Trends in trigonal prismatic Ln-[1]ferrocenophane complexes and discovery of a Ho single-molecule magnet. <i>Chemical Science</i> , 2020 , 11, 3936-3951	9.4	10
192	Coexistence of Spin-Lattice Relaxation and Phonon-Bottleneck Processes in Gd -Phthlocyaninato Triple-Decker Complexes under Highly Diluted Conditions. <i>Chemistry - A European Journal</i> , 2020 , 26, 8076-8082	4.8	6
191	Magnetization Dynamics and Coherent Spin Manipulation of a Propeller Gd(III) Complex with the Smallest Helicene Ligand. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1508-1515	6.4	15
190	Magnetic Anisotropy in Divalent Lanthanide Compounds. <i>Angewandte Chemie</i> , 2020 , 132, 12820-12824	3.6	3

189	Magnetic Anisotropy in Divalent Lanthanide Compounds. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12720-12724	16.4	13
188	Ferromagnetic kinetic exchange interaction in magnetic insulators. <i>Physical Review Research</i> , 2020 , 2,	3.9	1
187	Holmium(iii) molecular nanomagnets for optical thermometry exploring the luminescence re-absorption effect. <i>Chemical Science</i> , 2020 , 12, 730-741	9.4	24
186	OpenMolcas: From Source Code to Insight. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 5925-5964	32.4	310
185	Single Crystal Investigations Unravel the Magnetic Anisotropy of the "Square-In Square" CrDy SMM Coordination Cluster. <i>Frontiers in Chemistry</i> , 2019 , 7, 6	5	8
184	Determination of the electronic structure of a dinuclear dysprosium single molecule magnet without symmetry idealization. <i>Chemical Science</i> , 2019 , 10, 2101-2110	9.4	35
183	Anomalous transverse resistance in 122-type iron-based superconductors. <i>Scientific Reports</i> , 2019 , 9, 664	4.9	2
182	Effects of the Exchange Coupling on Dynamic Properties in a Series of CoGdCo Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 756-768	5.1	4
181	Dysprosium Single-Molecule Magnets with Bulky Schiff Base Ligands: Modification of the Slow Relaxation of the Magnetization by Substituent Change. <i>Chemistry - A European Journal</i> , 2019 , 25, 474-478	4.8	21
180	Toward a Microscopic Understanding of the Magnetization Behavior of a Multimolecular Single Crystal of Radical-Bridged [DyIII ₄] Cubane Units: A Joint Ab Initio, Micro-Superconducting Quantum Interference Device, and Electron Paramagnetic Resonance Study. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 11128-11135	3.8	1
179	Coupling Influences SMM Properties for Pure 4 f Systems. <i>Chemistry - A European Journal</i> , 2018 , 24, 6079-6086	4.086	44
178	Spin-lattice relaxation of magnetic centers in molecular crystals at low temperature. <i>Physical Review B</i> , 2018 , 97,	3.3	24
177	Exchange Interactions Switch Tunneling: A Comparative Experimental and Theoretical Study on Relaxation Dynamics by Targeted Metal Ion Replacement. <i>Chemistry - A European Journal</i> , 2018 , 24, 9928-9939	4.8	14
176	Dynamical Jahn-Teller effect of fullerene anions. <i>Physical Review B</i> , 2018 , 97,	3.3	11
175	Magnetic Properties of a Terbium-[1]Ferrocenophane Complex: Analogies between Lanthanide-Ferrocenophane and Lanthanide-Bis-phthalocyanine Complexes. <i>Angewandte Chemie</i> , 2018 , 130, 8296-8301	3.6	3
174	Magnetic Properties of a Terbium-[1]Ferrocenophane Complex: Analogies between Lanthanide-Ferrocenophane and Lanthanide-Bis-phthalocyanine Complexes. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8164-8169	16.4	15
173	Magnetization Blocking in Fe Dy Molecular Magnets: Ab Initio Calculations and EPR Spectroscopy. <i>Chemistry - A European Journal</i> , 2018 , 24, 16652-16661	4.8	13
172	Spin-orbital-lattice entangled states in cubic d1 double perovskites. <i>Physical Review B</i> , 2018 , 98,	3.3	8

171	Intermolecular mechanism for multiple maxima in molecular dynamic susceptibility. <i>Physical Review B</i> , 2018 , 98,	3.3	20
170	Manifestation of vibronic dynamics in infrared spectra of Mott insulating fullerides. <i>Physical Review B</i> , 2018 , 98,	3.3	4
169	J-pseudospin states and the crystal field of cubic systems. <i>Physical Review B</i> , 2018 , 98,	3.3	4
168	Quadratic Jahn-Teller effect of fullerene anions. <i>Physical Review B</i> , 2018 , 98,	3.3	4
167	Dynamic Magnetic and Optical Insight into a High Performance Pentagonal Bipyramidal Dy Single-Ion Magnet. <i>Chemistry - A European Journal</i> , 2017 , 23, 5708-5715	4.8	79
166	Dynamic Magnetic and Optical Insight into a High-Performance Pentagonal Bipyramidal DyIII Single-Ion Magnet. <i>Chemistry - A European Journal</i> , 2017 , 23, 5630-5630	4.8	4
165	An organolanthanide(III) single-molecule magnet with an axial crystal-field: influence of the Raman process over the slow relaxation. <i>Chemical Communications</i> , 2017 , 53, 4706-4709	5.8	33
164	Hyperfine-Interaction-Driven Suppression of Quantum Tunneling at Zero Field in a Holmium(III) Single-Ion Magnet. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4996-5000	16.4	139
163	Hyperfine-Interaction-Driven Suppression of Quantum Tunneling at Zero Field in a Holmium(III) Single-Ion Magnet. <i>Angewandte Chemie</i> , 2017 , 129, 5078-5082	3.6	28
162	Transitions of two magnetic interaction states in dinuclear Dy(III) complexes via subtle structural variations. <i>Dalton Transactions</i> , 2017 , 46, 638-642	4.3	43
161	Ab Initio Crystal Field for Lanthanides. <i>Chemistry - A European Journal</i> , 2017 , 23, 3708-3718	4.8	163
160	Interplay of spin-dependent delocalization and magnetic anisotropy in the ground and excited states of [Gd@C] and [Gd@C]. <i>Journal of Chemical Physics</i> , 2017 , 147, 124305	3.9	6
159	Thermal expansion and magnetic properties of benzoquinone-bridged dinuclear rare-earth complexes. <i>Dalton Transactions</i> , 2017 , 46, 13582-13589	4.3	16
158	Zeeman interaction and Jahn-Teller effect in the \mathbb{B} multiplet. <i>Physical Review B</i> , 2017 , 96,	3.3	10
157	Innentitelbild: Hyperfine-Interaction-Driven Suppression of Quantum Tunneling at Zero Field in a Holmium(III) Single-Ion Magnet (Angew. Chem. 18/2017). <i>Angewandte Chemie</i> , 2017 , 129, 4974-4974	3.6	1
156	Nematic superconducting state in iron pnictide superconductors. <i>Nature Communications</i> , 2017 , 8, 1880	17.4	17
155	Andrew Liehr and the structure of Jahn-Teller surfaces. <i>Journal of Physics: Conference Series</i> , 2017 , 833, 012008	0.3	2
154	Giant exchange interaction in mixed lanthanides. <i>Scientific Reports</i> , 2016 , 6, 24046	4.9	38

153	Synthesis, Crystal Structures, Magnetic Properties, and Theoretical Investigation of a New Series of Ni-Ln-W Heterotrimetallics: Understanding the SMM Behavior of Mixed Polynuclear Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 12158-12171	5.1	35
152	Study of the influence of magnetic dilution over relaxation processes in a Zn/Dy single-ion magnet by correlation between luminescence and magnetism. <i>RSC Advances</i> , 2016 , 6, 108810-108818	3.7	16
151	Orbital disproportionation of electronic density is a universal feature of alkali-doped fullerenes. <i>Nature Communications</i> , 2016 , 7, 13093	17.4	13
150	Multitechnique investigation of Dy - implications for coupled lanthanide clusters. <i>Chemical Science</i> , 2016 , 7, 4347-4354	9.4	60
149	Symmetry-Supported Magnetic Blocking at 20 K in Pentagonal Bipyramidal Dy(III) Single-Ion Magnets. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2829-37	16.4	601
148	Magneto-structural correlations in arsenic- and selenium-ligated dysprosium single-molecule magnets. <i>Chemical Science</i> , 2016 , 7, 2128-2137	9.4	93
147	Redox Switches for Single-Molecule Magnet Activity: An Ab Initio Insight. <i>Chemistry - A European Journal</i> , 2016 , 22, 5309-18	4.8	5
146	New mechanism of kinetic exchange interaction induced by strong magnetic anisotropy. <i>Scientific Reports</i> , 2016 , 6, 24743	4.9	8
145	Molcas 8: New capabilities for multiconfigurational quantum chemical calculations across the periodic table. <i>Journal of Computational Chemistry</i> , 2016 , 37, 506-41	3.5	1047
144	Magnetic frustration in a hexaazatrinaphthylene-bridged trimetallic dysprosium single-molecule magnet. <i>Dalton Transactions</i> , 2016 , 45, 16556-16560	4.3	23
143	A Stable Pentagonal Bipyramidal Dy(III) Single-Ion Magnet with a Record Magnetization Reversal Barrier over 1000 K. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5441-50	16.4	738
142	Multiple relaxation times in single-molecule magnets. <i>Physical Review B</i> , 2016 , 94,	3.3	29
141	Strategies toward High-Temperature Lanthanide-Based Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2016 , 55, 10043-10056	5.1	248
140	Local destruction of superconductivity by non-magnetic impurities in mesoscopic iron-based superconductors. <i>Nature Communications</i> , 2015 , 6, 7614	17.4	15
139	Influencing the properties of dysprosium single-molecule magnets with phosphorus donor ligands. <i>Nature Communications</i> , 2015 , 6, 7492	17.4	112
138	Dynamical Jahn-Teller instability in metallic fullerenes. <i>Physical Review B</i> , 2015 , 91,	3.3	10
137	Heterometallic 3d-4f single-molecule magnets: ligand and metal ion influences on the magnetic relaxation. <i>Inorganic Chemistry</i> , 2015 , 54, 3631-42	5.1	81
136	Determination of magnetic anisotropy in a multinuclear Tb(III)-based single-molecule magnet. <i>Chemical Communications</i> , 2015 , 51, 10373-6	5.8	27

135	Plasmonic Dicke Effect in Ag-Nanoclusters-Doped Oxyfluoride Glasses. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20051-20056	3.8	7
134	Tuning the Magnetic Interactions and Relaxation Dynamics of Dy ₂ Single-Molecule Magnets. <i>Chemistry - A European Journal</i> , 2015 , 21, 14099-106	4.8	79
133	Observation of unusual slow-relaxation of the magnetisation in a Gd-EDTA chelate. <i>Dalton Transactions</i> , 2015 , 44, 20321-5	4.3	50
132	The first 4d/4f single-molecule magnet containing a {Ru(III) ₂ Dy(III) ₂ } core. <i>Chemical Communications</i> , 2015 , 51, 2044-7	5.8	23
131	Square-planar ruthenium(II) complexes: control of spin state by pincer ligand functionalization. <i>Chemistry - A European Journal</i> , 2015 , 21, 579-89	4.8	23
130	Desolvation-Driven 100-Fold Slow-down of Tunneling Relaxation Rate in Co(II)-Dy(III) Single-Molecule Magnets through a Single-Crystal-to-Single-Crystal Process. <i>Scientific Reports</i> , 2015 , 5, 16621	4.9	78
129	A High-Temperature Molecular Ferroelectric Zn/Dy Complex Exhibiting Single-Ion-Magnet Behavior and Lanthanide Luminescence. <i>Angewandte Chemie</i> , 2015 , 127, 2264-2268	3.6	38
128	Influence of Guest Exchange on the Magnetization Dynamics of Dilanthanide Single-Molecule-Magnet Nodes within a Metal-Organic Framework. <i>Angewandte Chemie</i> , 2015 , 127, 9999-10003	3.6	19
127	Influence of Guest Exchange on the Magnetization Dynamics of Dilanthanide Single-Molecule-Magnet Nodes within a Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9861-5	16.4	230
126	Ising exchange interaction in lanthanides and actinides. <i>New Journal of Physics</i> , 2015 , 17, 103028	2.9	15
125	Optical Activity and Dehydration-Driven Switching of Magnetic Properties in Enantiopure Cyanido-Bridged Co(II) ₃ W(V) ₂ Trigonal Bipyramids. <i>Inorganic Chemistry</i> , 2015 , 54, 5784-94	5.1	25
124	Exchange interaction between J multiplets. <i>Physical Review B</i> , 2015 , 91,	3.3	43
123	A high-temperature molecular ferroelectric Zn/Dy complex exhibiting single-ion-magnet behavior and lanthanide luminescence. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 2236-40	16.4	174
122	Computational Modelling of the Magnetic Properties of Lanthanide Compounds 2015 , 153-184		17
121	An NCN-pincer ligand dysprosium single-ion magnet showing magnetic relaxation via the second excited state. <i>Scientific Reports</i> , 2014 , 4, 5471	4.9	129
120	A Catalyst with Two-Coordinate Nickel: Theoretical and Catalytic Studies. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 818-823	2.3	47
119	Fine-tuning the local symmetry to attain record blocking temperature and magnetic remanence in a single-ion magnet. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4413-7	16.4	327
118	Single-molecule magnetism in a family of {Co(III) ₂ Dy(III) ₂ } butterfly complexes: effects of ligand replacement on the dynamics of magnetic relaxation. <i>Inorganic Chemistry</i> , 2014 , 53, 4303-15	5.1	78

117	Stabilization of a cobalt-cobalt bond by two cyclic alkyl amino carbenes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1770-3	16.4	50
116	Coupling strategies to enhance single-molecule magnet properties of erbium-cyclooctatetraenyl complexes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 8003-10	16.4	236
115	Spectroscopic determination of crystal field splittings in lanthanide double deckers. <i>Chemical Science</i> , 2014 , 5, 3287	9.4	101
114	Field-induced multiple relaxation mechanism of Co(III)2Dy(III) compound with the dysprosium ion in a low-symmetrical environment. <i>Inorganic Chemistry</i> , 2014 , 53, 12658-63	5.1	39
113	Chemical tuning of the magnetic relaxation in dysprosium(III) mononuclear complexes. <i>Dalton Transactions</i> , 2014 , 43, 12146-9	4.3	44
112	Single-molecule toroics in Ising-type lanthanide molecular clusters. <i>Chemical Society Reviews</i> , 2014 , 43, 6894-905	58.5	278
111	Modifying the properties of 4f single-ion magnets by peripheral ligand functionalisation. <i>Chemical Science</i> , 2014 , 5, 1650-1660	9.4	144
110	A simple derivation of the Landau-Zener formula. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 6942-5	3.6	5
109	Electronic structure and slow magnetic relaxation of low-coordinate cyclic alkyl(amino) carbene stabilized iron(I) complexes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11964-71	16.4	122
108	Synthesis, structure, and magnetic properties of DyCo(bipy) and LnNi(bipy) [Ln = La, Gd, Tb, Dy, and Ho: slow magnetic relaxation in DyCo(bipy) and DyNi(bipy)] <i>Inorganic Chemistry</i> , 2014 , 53, 9785-99	5.1	51
107	Correction to "Key Role of Frustration in Suppression of Magnetization Blocking in Single-Molecule Magnets". <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1678	6.4	2
106	A heterometallic Fe(II)-Dy(III) single-molecule magnet with a record anisotropy barrier. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 12966-70	16.4	207
105	Modulation of slow magnetic relaxation by tuning magnetic exchange in {Cr2Dy2} single molecule magnets. <i>Chemical Science</i> , 2014 , 5, 3246-3256	9.4	111
104	Efficient solution of 3D Ginzburg-Landau problem for mesoscopic superconductors. <i>Journal of Physics: Conference Series</i> , 2014 , 490, 012220	0.3	5
103	Fine-tuning the Local Symmetry to Attain Record Blocking Temperature and Magnetic Remanence in a Single-Ion Magnet. <i>Angewandte Chemie</i> , 2014 , 126, 4502-4506	3.6	67
102	Ein heterometallischer FeII-DyIII-Einzelmolekülmagnet mit Rekord-Anisotropiebarriere. <i>Angewandte Chemie</i> , 2014 , 126, 13180-13184	3.6	30
101	Theoretical Understanding of Anisotropy in Molecular Nanomagnets. <i>Structure and Bonding</i> , 2014 , 185-229	2.9	53
100	Magnetic relaxation pathways in lanthanide single-molecule magnets. <i>Nature Chemistry</i> , 2013 , 5, 673-8	17.6	583

99	Switching the anisotropy barrier of a single-ion magnet by symmetry change from quasi-D _{5h} to quasi-O _h . <i>Chemical Science</i> , 2013 , 4, 3310	9.4	402
98	Dynamical Jahn-Teller effect and antiferromagnetism in Cs ₃ C ₆₀ . <i>Physical Review Letters</i> , 2013 , 111, 056401	4.1	19
97	Significant enhancement of energy barriers in dinuclear dysprosium single-molecule magnets through electron-withdrawing effects. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13242-5	16.4	239
96	Direct observation of the depairing current density in single-crystalline Ba _{0.5} K _{0.5} Fe ₂ As ₂ microbridge with nanoscale thickness. <i>Applied Physics Letters</i> , 2013 , 103, 062603	3.4	20
95	A {Cr ^{III} 2Dy ^{III} 2} Single-Molecule Magnet: Enhancing the Blocking Temperature through 3d Magnetic Exchange. <i>Angewandte Chemie</i> , 2013 , 125, 12236-12241	3.6	61
94	Key Role of Frustration in Suppression of Magnetization Blocking in Single-Molecule Magnets. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3565-3569	6.4	55
93	Influence of the ligand field on slow magnetization relaxation versus spin crossover in mononuclear cobalt complexes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11290-3	16.4	171
92	Angular-resolved magnetometry beyond triclinic crystals: out-of-equilibrium studies of Cp*ErCOT single-molecule magnet. <i>Chemistry - A European Journal</i> , 2013 , 19, 13726-31	4.8	62
91	Theory of the kinetics of luminescence and its temperature dependence for Ag nanoclusters dispersed in a glass host. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 15949-53	3.6	10
90	Influence of the Ligand Field on Slow Magnetization Relaxation versus Spin Crossover in Mononuclear Cobalt Complexes. <i>Angewandte Chemie</i> , 2013 , 125, 11500-11503	3.6	18
89	A dinuclear cobalt complex featuring unprecedented anodic and cathodic redox switches for single-molecule magnet activity. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14670-8	16.4	108
88	A {Cr(III)Dy(III)} single-molecule magnet: enhancing the blocking temperature through 3d magnetic exchange. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12014-9	16.4	289
87	A hydride-ligated dysprosium single-molecule magnet. <i>Chemical Communications</i> , 2013 , 49, 901-3	5.8	70
86	Relaxations in heterolanthanide dinuclear single-molecule magnets. <i>Chemical Communications</i> , 2013 , 49, 158-60	5.8	59
85	Magnetic anisotropy of Co ^{II} /V ferromagnet: single crystal and ab initio study. <i>CrystEngComm</i> , 2013 , 15, 2378-2385	3.3	12
84	An organometallic building block approach to produce a multidecker 4f single-molecule magnet. <i>Journal of the American Chemical Society</i> , 2013 , 135, 3502-10	16.4	177
83	Synthesis and characterization of a two-coordinate manganese complex and its reaction with molecular hydrogen at room temperature. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11817-21	16.4	73
82	By design: a macrocyclic 3d-4f single-molecule magnet with quantifiable zero-field slow relaxation of magnetization. <i>Inorganic Chemistry</i> , 2013 , 52, 3236-40	5.1	66

81	Quantum Chemistry Modeling of Luminescence Kinetics of Ag Nanoclusters Dispersed in Glass Host. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 7796-7800	3.8	19
80	Interplay of strongly anisotropic metal ions in magnetic blocking of complexes. <i>Inorganic Chemistry</i> , 2013 , 52, 6328-37	5.1	203
79	Solution of linearized Ginzburg-Landau problem for mesoscopic superconductors by conformal mapping. <i>Journal of Physics: Conference Series</i> , 2013 , 410, 012162	0.3	1
78	Quantum states and vortex patterns in nanosuperconductors. <i>Annalen Der Physik</i> , 2013 , 525, 951-956	2.6	5
77	Synthesis and Characterization of a Two-Coordinate Manganese Complex and its Reaction with Molecular Hydrogen at Room Temperature. <i>Angewandte Chemie</i> , 2013 , 125, 12033-12037	3.6	26
76	Net toroidal magnetic moment in the ground state of a {Dy ₆ }-triethanolamine ring. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18554-7	16.4	138
75	Coupling Dy ₃ triangles to maximize the toroidal moment. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12767-71	16.4	191
74	Heterometallic tetranuclear [Ln(III) ₂ Co(III) ₂] complexes including suppression of quantum tunneling of magnetization in the [Dy(III) ₂ Co(III) ₂] single molecule magnet. <i>Inorganic Chemistry</i> , 2012 , 51, 11873-81	5.1	143
73	Coupling Dy ₃ Triangles to Maximize the Toroidal Moment. <i>Angewandte Chemie</i> , 2012 , 124, 12939-12943	3.6	33
72	Heterometallic CuII/DyIII 1D chiral polymers: chirogenesis and exchange coupling of toroidal moments in trinuclear Dy ₃ single molecule magnets. <i>Chemical Science</i> , 2012 , 3, 1169	9.4	133
71	The first {Dy ₄ } single-molecule magnet with a toroidal magnetic moment in the ground state. <i>Inorganic Chemistry</i> , 2012 , 51, 1233-5	5.1	177
70	Synthesis and magnetic properties of a new family of macrocyclic M(II) ₃ Ln(III) complexes: insights into the effect of subtle chemical modification on single-molecule magnet behavior. <i>Inorganic Chemistry</i> , 2012 , 51, 10603-12	5.1	49
69	A single-molecule magnet assembly exhibiting a dielectric transition at 470 K. <i>Chemical Science</i> , 2012 , 3, 3366	9.4	150
68	Ytterbium can relax slowly too: a field-induced Yb ₂ single-molecule magnet. <i>Dalton Transactions</i> , 2012 , 41, 12349-52	4.3	68
67	A six-coordinate ytterbium complex exhibiting easy-plane anisotropy and field-induced single-ion magnet behavior. <i>Inorganic Chemistry</i> , 2012 , 51, 8538-44	5.1	204
66	Experiment and theoretical modeling of the luminescence of silver nanoclusters dispersed in oxyfluoride glass. <i>Journal of Chemical Physics</i> , 2012 , 136, 174108	3.9	34
65	Supramolecular architectures for controlling slow magnetic relaxation in field-induced single-molecule magnets. <i>Chemical Science</i> , 2012 , 3, 2158	9.4	140
64	Coexistence of Distinct Single-Ion and Exchange-Based Mechanisms for Blocking of Magnetization in a CoII ₂ DyIII ₂ Single-Molecule Magnet. <i>Angewandte Chemie</i> , 2012 , 124, 7668-7672	3.6	55

63	A High Anisotropy Barrier in a Sulfur-Bridged Organodysprosium Single-Molecule Magnet. <i>Angewandte Chemie</i> , 2012 , 124, 7082-7086	3.6	40
62	Coexistence of distinct single-ion and exchange-based mechanisms for blocking of magnetization in a Co(II)2Dy(III)2 single-molecule magnet. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7550-4	16.4	248
61	A high anisotropy barrier in a sulfur-bridged organodysprosium single-molecule magnet. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6976-80	16.4	235
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