

# Floriana Tuna

## List of Publications by Citations

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306  
papers

13,633  
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62  
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103  
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318  
ext. papers

14,987  
ext. citations

7.7  
avg, IF

6.42  
L-index

#	Paper	IF	Citations
306	Magnetic relaxation pathways in lanthanide single-molecule magnets. <i>Nature Chemistry</i> , <b>2013</b> , 5, 673-8	17.6	583
305	Single pyramid magnets: Dy <sub>5</sub> pyramids with slow magnetic relaxation to 40 K. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 6530-3	16.4	442
304	Engineering the coupling between molecular spin qubits by coordination chemistry. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 173-8	28.7	341
303	Co-Ln mixed-metal phosphonate grids and cages as molecular magnetic refrigerants. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1057-65	16.4	332
302	Limits on intrinsic magnetism in graphene. <i>Physical Review Letters</i> , <b>2010</b> , 105, 207205	7.4	300
301	A monometallic lanthanide bis(methanediide) single molecule magnet with a large energy barrier and complex spin relaxation behaviour. <i>Chemical Science</i> , <b>2016</b> , 7, 155-165	9.4	264
300	Synthesis and structure of a terminal uranium nitride complex. <i>Science</i> , <b>2012</b> , 337, 717-20	33.3	251
299	Lanthanide discs chill well and relax slowly. <i>Chemical Communications</i> , <b>2011</b> , 47, 7650-2	5.8	241
298	A high anisotropy barrier in a sulfur-bridged organodysprosium single-molecule magnet. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6976-80	16.4	235
297	A dense metal-organic framework for enhanced magnetic refrigeration. <i>Advanced Materials</i> , <b>2013</b> , 25, 4653-6	24	226
296	Influence of the N-bridging ligand on magnetic relaxation in an organometallic dysprosium single-molecule magnet. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 4442-6	4.8	209
295	Molecular single-ion magnets based on lanthanides and actinides: Design considerations and new advances in the context of quantum technologies. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 346, 216-239	23.2	206
294	The molecular basis of polysaccharide cleavage by lytic polysaccharide monoxygenases. <i>Nature Chemical Biology</i> , <b>2016</b> , 12, 298-303	11.7	205
293	Isolation and characterization of a uranium(VI)-nitride triple bond. <i>Nature Chemistry</i> , <b>2013</b> , 5, 482-8	17.6	204
292	Chemical engineering of molecular qubits. <i>Physical Review Letters</i> , <b>2012</b> , 108, 107204	7.4	202
291	Linking heterometallic rings for quantum information processing and amusement. <i>Chemical Society Reviews</i> , <b>2011</b> , 40, 3067-75	58.5	180
290	Toward Molecular 4f Single-Ion Magnet Qubits. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5801-4	14.4	156

289	3d-4f clusters with large spin ground states and SMM behaviour. <i>Dalton Transactions</i> , <b>2010</b> , 39, 4747-50	4.3	155
288	Synthesis of a uranium(VI)-carbene: reductive formation of uranyl(V)-methanides, oxidative preparation of a [R <sub>2</sub> C=U=O] <sup>2+</sup> analogue of the [O=U=O] <sup>2+</sup> uranyl ion (R = Ph <sub>2</sub> PNSiMe <sub>3</sub> ), and comparison of the nature of U(IV)=C, U(V)=C, and U(VI)=C double bonds. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 10047-54	16.4	147
287	A modular design of molecular qubits to implement universal quantum gates. <i>Nature Communications</i> , <b>2016</b> , 7, 11377	17.4	144
286	Microstructure and properties of Co-, Ni-, Zn-, Nb- and W-modified multiferroic BiFeO <sub>3</sub> ceramics. <i>Journal of the European Ceramic Society</i> , <b>2010</b> , 30, 727-736	6	137
285	Pentametallic lanthanide-alkoxide square-based pyramids: high energy barrier for thermal relaxation in a holmium single molecule magnet. <i>Chemical Communications</i> , <b>2011</b> , 47, 10587-9	5.8	135
284	Single-molecule magnetism in cyclopentadienyl-dysprosium chlorides. <i>Chemical Communications</i> , <b>2012</b> , 48, 1508-10	5.8	124
283	Single-molecule magnetism in a single-ion triamidoamine uranium(V) terminal mono-oxo complex. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 4921-4	16.4	118
282	Triamidoamine-uranium(IV)-stabilized terminal parent phosphide and phosphinidene complexes. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 4484-8	16.4	114
281	Influencing the properties of dysprosium single-molecule magnets with phosphorus donor ligands. <i>Nature Communications</i> , <b>2015</b> , 6, 7492	17.4	112
280	Reversible adsorption of nitrogen dioxide within a robust porous metal-organic framework. <i>Nature Materials</i> , <b>2018</b> , 17, 691-696	27	108
279	Synthesis and characterization of an f-block terminal parent imido [U=NH] complex: a masked uranium(IV) nitride. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5619-22	16.4	108
278	A classification of spin frustration in molecular magnets from a physical study of large odd-numbered-metal, odd electron rings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 19113-8	11.5	102
277	Triamidoamine uranium(IV)-arsenic complexes containing one-, two- and threefold U-As bonding interactions. <i>Nature Chemistry</i> , <b>2015</b> , 7, 582-90	17.6	98
276	Single molecule magnets for quantum computation. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 2999-3004	3	98
275	Substantial increase of the ordering temperature for [MnII/MoIII(CN) <sub>7</sub> ]-based magnets as a function of the 3d ion site geometry: example of two supramolecular materials with T <sub>c</sub> = 75 and 106 K. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 1625-31	5.1	96
274	The inverse-trans-influence in tetravalent lanthanide and actinide bis(carbene) complexes. <i>Nature Communications</i> , <b>2017</b> , 8, 14137	17.4	94
273	Entanglement in supramolecular spin systems of two weakly coupled antiferromagnetic rings (purple-Cr <sub>7</sub> Ni). <i>Physical Review Letters</i> , <b>2010</b> , 104, 037203	7.4	94
272	The nature of the U=C double bond: pushing the stability of high-oxidation-state uranium carbenes to the limit. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 7071-83	4.8	92

271	Harnessing the extracellular bacterial production of nanoscale cobalt ferrite with exploitable magnetic properties. <i>ACS Nano</i> , <b>2009</b> , 3, 1922-8	16.7	92
270	Synthesis and magnetic properties of a series of bi- and tri-nuclear complexes of copper(II) with the unsymmetrical tetradentate Schiff-base ligand 3-[N-2-(pyridylethyl)formimidoyl]salicylic acid, H <sub>2</sub> f <sub>3</sub> aaep, and crystal structures of [Cu(Hf <sub>3</sub> aaep)Cl] <sub>2</sub> and [Cu(f <sub>3</sub> aaep)(H <sub>2</sub> O)] <sub>2</sub> . <i>Journal of the Chemical Society Dalton Transactions</i> , <b>2008</b> , 1322-1331		92
269	Copper(II) and zinc(II) complexes with Schiff-base ligands derived from salicylaldehyde and 3-methoxysalicylaldehyde: Synthesis, crystal structures, magnetic and luminescence properties. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 3903-3911	2.7	90
268	Synthesis, characterization, and reactivity of a uranium(VI) carbene imido oxo complex. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 6696-700	16.4	89
267	Systematic Study of a Family of Butterfly-Like {M <sub>2</sub> Ln <sub>2</sub> } Molecular Magnets (M = Mg(II), Mn(III), Co(II), Ni(II), and Cu(II); Ln = Y(III), Gd(III), Tb(III), Dy(III), Ho(III), and Er(III)). <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 5930-41	5.1	87
266	Control of nanoparticle size, reactivity and magnetic properties during the bioproduction of magnetite by <i>Geobacter sulfurreducens</i> . <i>Nanotechnology</i> , <b>2011</b> , 22, 455709	3.4	87
265	A uranium-based UO <sub>2</sub> (+)-Mn <sup>2+</sup> single-chain magnet assembled through cation-cation interactions. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 819-23	16.4	86
264	Structure and bonding in three-coordinate N-heterocyclic carbene adducts of iron(II) bis(trimethylsilyl)amide. <i>Chemical Communications</i> , <b>2011</b> , 47, 10623-5	5.8	86
263	Synthesis of molecular vanadium(III) phosphonates. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 5568-71	16.4	83
262	Readily prepared metallo-supramolecular triple helicates designed to exhibit spin-crossover behaviour. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 5737-50	4.8	81
261	Catalytic Dinitrogen Reduction to Ammonia at a Triamidoamine-Titanium Complex. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6314-6318	16.4	79
260	Engineering coherent interactions in molecular nanomagnet dimers. <i>Npj Quantum Information</i> , <b>2015</b> , 1,	8.6	79
259	Two-electron reductive carbonylation of terminal uranium(V) and uranium(VI) nitrides to cyanate by carbon monoxide. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10412-5	16.4	78
258	Molecular amino-phosphonate cobalt-lanthanide clusters. <i>Chemical Communications</i> , <b>2013</b> , 49, 3522-4	5.8	78
257	Emergence of comparable covalency in isostructural cerium(IV)- and uranium(IV)-carbon multiple bonds. <i>Chemical Science</i> , <b>2016</b> , 7, 3286-3297	9.4	76
256	Making hybrid [n]-rotaxanes as supramolecular arrays of molecular electron spin qubits. <i>Nature Communications</i> , <b>2016</b> , 7, 10240	17.4	72
255	Biosynthesis of Zinc Substituted Magnetite Nanoparticles with Enhanced Magnetic Properties. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2518-2529	15.6	71
254	A hydride-ligated dysprosium single-molecule magnet. <i>Chemical Communications</i> , <b>2013</b> , 49, 901-3	5.8	70

253	Deposition of iron sulfide nanocrystals from single source precursors. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 9737		70
252	Single Pyramid Magnets: Dy <sub>5</sub> Pyramids with Slow Magnetic Relaxation to 40 K. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 6660-6663	3.6	70
251	Actinide covalency measured by pulsed electron paramagnetic resonance spectroscopy. <i>Nature Chemistry</i> , <b>2017</b> , 9, 578-583	17.6	69
250	On the interaction of copper(II) with disulfiram. <i>Chemical Communications</i> , <b>2014</b> , 50, 13334-7	5.8	69
249	Synthesis, Structures, and Reactivity of Chelating Bis-N-Heterocyclic-Carbene Complexes of Iron(II). <i>Organometallics</i> , <b>2011</b> , 30, 4974-4982	3.8	69
248	Modulating supramolecular binding of carbon dioxide in a redox-active porous metal-organic framework. <i>Nature Communications</i> , <b>2017</b> , 8, 14212	17.4	64
247	An iron(II) complex exhibiting five anhydrous phases, two of which interconvert by spin-crossover with wide hysteresis. <i>Chemical Science</i> , <b>2012</b> , 3, 349-354	9.4	64
246	A series of nickel phosphonate-carboxylate cages. <i>Chemical Communications</i> , <b>2007</b> , 5185-7	5.8	64
245	Molecular and electronic structure of terminal and alkali metal-capped uranium(V) nitride complexes. <i>Nature Communications</i> , <b>2016</b> , 7, 13773	17.4	63
244	Measurement of Magnetic Exchange in Asymmetric Lanthanide Dimetallics: Toward a Transferable Theoretical Framework. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2504-2513	16.4	60
243	Pentanuclear cyanide-bridged complexes based on highly anisotropic Co(II) seven-coordinate building blocks: synthesis, structure, and magnetic behavior. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 12045-52	5.1	60
242	Heterometallic rings made from chromium stick together easily. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 9681-4	16.4	60
241	Single-Molecule Magnetism in Tetrametallic Terbium and Dysprosium Thiolate Cages. <i>Organometallics</i> , <b>2013</b> , 32, 1224-1229	3.8	59
240	Metallo-supramolecular libraries: triangles, polymers and double-helicates assembled by copper(I) coordination to directly linked bis-pyridylimine ligands. <i>Dalton Transactions</i> , <b>2003</b> , 2141	4.3	59
239	Studies of an Fe <sub>9</sub> tridiminished icosahedron. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 8961-8	4.8	56
238	Fe site occupancy in magnetite-ulvöspinel solid solutions: A new approach using X-ray magnetic circular dichroism. <i>American Mineralogist</i> , <b>2010</b> , 95, 425-439	2.9	55
237	Capture of nitrogen dioxide and conversion to nitric acid in a porous metal-organic framework. <i>Nature Chemistry</i> , <b>2019</b> , 11, 1085-1090	17.6	55
236	Crystalline Diuranium Phosphinidide and Phosphido Complexes with Symmetric and Asymmetric UPU Cores. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10495-10500	16.4	54

235	An actinide Zintl cluster: a tris(triamidouranium)β-D:Δ:Δ:Δ-heptaphosphanortricyclane and its diverse synthetic utility. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 13334-7	16.4	54
234	Chromium chains as polydentate fluoride ligands for lanthanides. <i>Chemical Communications</i> , <b>2011</b> , 47, 6251-3	5.8	53
233	Supramolecular Dimers and Chains Resulting from Second Coordination Sphere Interactions. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 1825-1831	3.5	53
232	Octa-, deca-, trideca-, and tetradecanuclear heterometallic cyclic chromium-copper cages. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 924-7	16.4	53
231	Controlling the crystal structure of Ni nanoparticles by the use of alkylamines. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 2723-2728	2.8	51
230	Exchange interactions at the origin of slow relaxation of the magnetization in {TbCu} and {DyCu} single-molecule magnets. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 8970-8	5.1	50
229	Iron lanthanide phosphonate clusters: {Fe <sub>6</sub> Ln <sub>6</sub> P <sub>6</sub> } Wells-Dawson-like structures with D <sub>3d</sub> symmetry. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 3032-8	5.1	50
228	Switchable Interaction in Molecular Double Qubits. <i>Chem</i> , <b>2016</b> , 1, 727-752	16.2	49
227	Controlled cobalt doping in biogenic magnetite nanoparticles. <i>Journal of the Royal Society Interface</i> , <b>2013</b> , 10, 20130134	4.1	49
226	Self-assembly of a 3d-5f trinuclear single-molecule magnet from a pentavalent uranyl complex. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 13434-8	16.4	49
225	Magnetic and luminescent binuclear double-stranded helicates. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 7738-47	5.1	48
224	A homospin iron(II) single chain magnet. <i>Chemical Communications</i> , <b>2008</b> , 1983-5	5.8	48
223	Nickel and Iron Sulfide Nanoparticles from Thiobiurets. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 2253-2259	3.8	47
222	Supertetrahedral and bi-supertetrahedral cages: synthesis, structures, and magnetic properties of deca- and enneadecametallc cobalt(II) clusters. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 9695-9	16.4	47
221	A One-Pot Synthesis of Monodispersed Iron Cobalt Oxide and Iron Manganese Oxide Nanoparticles from Bimetallic Pivalate Clusters. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 999-1013	9.6	45
220	Tetranuclear lanthanide(III) complexes in a seesaw geometry: synthesis, structure, and magnetism. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 3385-91	5.1	45
219	Iron thiobiurets: single-source precursors for iron sulfide thin films. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 8495-503	5.0	45
218	Redox tunable viologen-based porous organic polymers. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 2535-2544	7.5	44

217	Chemical tuning of the magnetic relaxation in dysprosium(III) mononuclear complexes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 12146-9	4.3	44
216	An Inverted-Sandwich Diuranium $\text{U}(\text{V})\text{:U}(\text{V})\text{-Cyclo-P5}$ Complex Supported by U-P5 $\sigma$ Bonding. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7068-72	16.4	43
215	Iron(II) and cobalt(II) complexes of tris-azinyl analogues of 2,2':6',2''-terpyridine. <i>Dalton Transactions</i> , <b>2013</b> , 42, 2254-65	4.3	43
214	Catalytic Amine Oxidation under Ambient Aerobic Conditions: Mimicry of Monoamine Oxidase B. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8997-9000	16.4	43
213	Synthesis, structural and magnetochemical studies of iron phosphonate cages based on $\{\text{Fe}_3\text{O}\}^{7+}$ core. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 5338-49	5.1	43
212	Synthesis, crystal structures and magnetic properties of new oxalato- and phenolato-bridged binuclear copper(II) complexes with Schiff-base ligands. <i>Inorganica Chimica Acta</i> , <b>2003</b> , 342, 131-138	2.7	43
211	Magnetic properties of cobalt oxide nanoparticles synthesised by a continuous hydrothermal method. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 348, 1-7	2.8	42
210	Aggregation of metallo-supramolecular architectures by metallo-assembled hydrogen bonding sites. <i>Chemical Communications</i> , <b>2003</b> , 2666-7	5.8	42
209	Coherent electron spin manipulation in a dilute oriented ensemble of molecular nanomagnets: pulsed EPR on doped single crystals. <i>Chemical Communications</i> , <b>2014</b> , 50, 91-3	5.8	41
208	Helical (isotactic) and syndiotactic silver(I) metallo-supramolecular coordination polymers assembled from a readily prepared bis-pyridylimine ligand containing a 1,5-naphthalene spacer. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 4957-64	4.8	41
207	Isolation of Elusive HAsAsH in a Crystalline Diuranium(IV) Complex. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15250-4	16.4	40
206	A High Anisotropy Barrier in a Sulfur-Bridged Organodysprosium Single-Molecule Magnet. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7082-7086	3.6	40
205	Single-Molecule Magnetism in a Single-Ion Triamidoamine Uranium(V) Terminal Mono-Oxo Complex. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 5021-5024	3.6	40
204	Cyanido-Bridged Heterometallic Oligonuclear Complexes and Coordination Polymers Constructed Using Tridentate Schiff-Base Ligands: Synthesis, Crystal Structures, and Magnetic and Luminescence Properties. A New Trimeric Water Cluster. <i>Crystal Growth and Design</i> , <b>2012</b> , 12, 1654-1665	3.5	39
203	Actinide-Pnictide (An-Pn) Bonds Spanning Non-Metal, Metalloid, and Metal Combinations (An=U, Th; Pn=P, As, Sb, Bi). <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1332-1336	16.4	39
202	Iodine Adsorption in a Redox-Active Metal-Organic Framework: Electrical Conductivity Induced by Host-Guest Charge-Transfer. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 14145-14150	5.1	38
201	A triamido-uranium(V) inverse-sandwich $10\text{e}^-$ toluene tetraanion arene complex. <i>Dalton Transactions</i> , <b>2013</b> , 42, 5224-7	4.3	38
200	Controlled Synthesis of Nanoscopic Metal Cages. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7644-7	16.4	38

199	Directed synthesis of {Mn <sub>18</sub> Cu <sub>6</sub> } heterometallic complexes. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1949-52	16.4	37
198	A zig-zag uranyl(v)-Mn(ii) single chain magnet with a high relaxation barrier. <i>Chemical Communications</i> , <b>2015</b> , 51, 11309-12	5.8	37
197	Detection of ground states in frustrated molecular rings by in-field local magnetization profiles. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	37
196	Iron(II) cage complexes of N-heterocyclic amide and bis(trimethylsilyl)amide ligands: synthesis, structure, and magnetic properties. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 2521-6	5.1	36
195	One-dimensional and two-dimensional coordination polymers constructed from copper(II) nodes and polycarboxylato spacers: Synthesis, crystal structures and magnetic properties. <i>Polyhedron</i> , <b>2008</b> , 27, 574-582	2.7	36
194	[U(III) {N(SiMe <sub>2</sub> tBu) <sub>2</sub> } <sub>3</sub> ]: a structurally authenticated trigonal planar actinide complex. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 14579-83	4.8	35
193	TriamidoamineUranium(IV)-Stabilized Terminal Parent Phosphide and Phosphinidene Complexes. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 4573-4577	3.6	35
192	Binding sites on the outside of metallo-supramolecular architectures; engineering coordination polymers from discrete architectures. <i>Dalton Transactions</i> , <b>2004</b> , 1546-55	4.3	35
191	Engineering electronic structure to prolong relaxation times in molecular qubits by minimising orbital angular momentum. <i>Nature Communications</i> , <b>2019</b> , 10, 3330	17.4	34
190	Supramolecular circular helicates formed by destabilisation of supramolecular dimers. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 9286-96	4.8	34
189	Assessing crystal field and magnetic interactions in diuranium- $\mu$ -chalcogenide triamidoamine complexes with U-E-U cores (E = S, Se, Te): implications for determining the presence or absence of actinide-actinide magnetic exchange. <i>Chemical Science</i> , <b>2017</b> , 8, 6207-6217	9.4	33
188	Studies of finite molecular chains: synthesis, structural, magnetic and inelastic neutron scattering studies of hexa- and heptanuclear chromium horseshoes. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 5144-58	4.8	33
187	Quantitative production of butenes from biomass-derived $\gamma$ -valerolactone catalysed by hetero-atomic MFI zeolite. <i>Nature Materials</i> , <b>2020</b> , 19, 86-93	27	33
186	Terminal Uranium(V/VI) Nitride Activation of Carbon Dioxide and Carbon Disulfide: Factors Governing Diverse and Well-Defined Cleavage and Redox Reactions. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 2950-2959	4.8	31
185	Gadolinium-doped magnetite nanoparticles from a single-source precursor. <i>RSC Advances</i> , <b>2016</b> , 6, 74500-74505	4.5	31
184	Orbital Symmetry Control of Electronic Coupling in a Symmetrical, All-Carbon-Bridged Mixed Valence Compound: Synthesis, Spectroscopy, and Electronic Structure of [(Mo(dppe)(EC <sub>7</sub> H <sub>7</sub> )) <sub>2</sub> (EC <sub>4</sub> )] <sub>n+</sub> (n = 0, 1, or 2). <i>Organometallics</i> , <b>2012</b> , 31, 157-169	3.8	31
183	Synthesis, structural characterisation and magnetic studies of polymetallic iron phosphonate cages. <i>Dalton Transactions</i> , <b>2009</b> , 6166-74	4.3	31
182	Evidence of Slow Magnetic Relaxation in Co(AcO) <sub>2</sub> (py) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> . <i>Magnetochemistry</i> , <b>2016</b> , 2, 23	3.1	31



181	The synthesis of iron sulfide nanocrystals from tris(O-alkylxanthato)iron(III) complexes. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8766	13	30
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