

Lionel Salmon

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251
papers

10,887
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54
h-index

93
g-index

268
ext. papers

12,198
ext. citations

6.6
avg, IF

6.48
L-index

#	Paper	IF	Citations
251	Molecular spin crossover phenomenon: recent achievements and prospects. <i>Chemical Society Reviews</i> , 2011 , 40, 3313-35	58.5	1016
250	"Homeopathic" catalytic activity and atom-leaching mechanism in Miyaura-Suzuki reactions under ambient conditions with precise dendrimer-stabilized Pd nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8644-8	16.4	285
249	Spin Crossover Nanomaterials: From Fundamental Concepts to Devices. <i>Advanced Materials</i> , 2018 , 30, 1703862	24	260
248	Hydrolysis of Ammonia-Borane over Ni/ZIF-8 Nanocatalyst: High Efficiency, Mechanism, and Controlled Hydrogen Release. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11610-11615	16.4	215
247	Two-Step Spin Conversion for the Three-Dimensional Compound Tris(4,4'-bis-1,2,4-triazole)iron(II) Diperchlorate. <i>Inorganic Chemistry</i> , 1999 , 38, 4663-4670	5.1	207
246	Highly Selective and Sharp Volcano-type Synergistic NiPt@ZIF-8-Catalyzed Hydrogen Evolution from Ammonia Borane Hydrolysis. <i>Journal of the American Chemical Society</i> , 2018 , 140, 10034-10042	16.4	205
245	"Click" dendrimers: synthesis, redox sensing of Pd(OAc) ₂ , and remarkable catalytic hydrogenation activity of precise Pd nanoparticles stabilized by 1,2,3-triazole-containing dendrimers. <i>Chemistry - A European Journal</i> , 2008 , 14, 50-64	4.8	181
244	Single-laser-shot-induced complete bidirectional spin transition at room temperature in single crystals of (FeII(pyrazine)(Pt(CN) ₄)). <i>Journal of the American Chemical Society</i> , 2008 , 130, 9019-24	16.4	177
243	Molecular actuators driven by cooperative spin-state switching. <i>Nature Communications</i> , 2013 , 4, 2607	17.4	175
242	Towards the ultimate size limit of the memory effect in spin-crossover solids. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8236-40	16.4	175
241	Sodium borohydride stabilizes very active gold nanoparticle catalysts. <i>Chemical Communications</i> , 2014 , 50, 14194-6	5.8	172
240	Encapsulation and stabilization of gold nanoparticles with "click" polyethyleneglycol dendrimers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2729-42	16.4	148
239	Switchable molecule-based materials for micro- and nanoscale actuating applications: Achievements and prospects. <i>Coordination Chemistry Reviews</i> , 2016 , 308, 395-408	23.2	147
238	Spin Crossover at the Nanometre Scale. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 653-661	2.3	136
237	A novel approach for fluorescent thermometry and thermal imaging purposes using spin crossover nanoparticles. <i>Journal of Materials Chemistry</i> , 2010 , 20, 5499		133
236	Emerging properties and applications of spin crossover nanomaterials. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1360-1366	7.1	130
235	Charge Transport and Electrical Properties of Spin Crossover Materials: Towards Nanoelectronic and Spintronic Devices. <i>Magnetochemistry</i> , 2016 , 2, 18	3.1	130

234	Spin state dependence of electrical conductivity of spin crossover materials. <i>Chemical Communications</i> , 2012 , 48, 4163-5	5.8	126
233	Sulphonated Click Dendrimer-Stabilized Palladium Nanoparticles as Highly Efficient Catalysts for Olefin Hydrogenation and Suzuki Coupling Reactions Under Ambient Conditions in Aqueous Media. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 837-845	5.6	124
232	Nano-electromanipulation of spin crossover nanorods: towards switchable nanoelectronic devices. <i>Advanced Materials</i> , 2013 , 25, 1745-9	24	117
231	Electric-field-induced charge-transfer phase transition: a promising approach toward electrically switchable devices. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15049-54	16.4	115
230	Synthesis, structure, and magnetic behavior of a series of trinuclear Schiff base complexes of 5f (UIV, ThIV) and 3d (CuII, ZnII) ions. <i>Inorganic Chemistry</i> , 2006 , 45, 83-93	5.1	112
229	Highly Efficient Transition Metal Nanoparticle Catalysts in Aqueous Solutions. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3091-5	16.4	109
228	The effect of an active guest on the spin crossover phenomenon. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1198-202	16.4	101
227	Enhanced cooperative interactions at the nanoscale in spin-crossover materials with a first-order phase transition. <i>Physical Review Letters</i> , 2013 , 110, 235701	7.4	97
226	Thermal and Optical Switching of Molecular Spin States in the {[FeL(H2B(pz)2)2]} Spin-Crossover System (L = bpy, phen) <i>Journal of Physical Chemistry B</i> , 2002 , 106, 4276-4283	3.4	97
225	Synergetic effect of host-guest chemistry and spin crossover in 3D Hofmann-like metal-organic frameworks [Fe(bpac)M(CN)4] (M=Pt, Pd, Ni). <i>Chemistry - A European Journal</i> , 2012 , 18, 507-16	4.8	96
224	Dramatic Synergy in CoPt Nanocatalysts Stabilized by Click Dendrimers for Evolution of Hydrogen from Hydrolysis of Ammonia Borane. <i>ACS Catalysis</i> , 2019 , 9, 1110-1119	13.1	96
223	Evaluation of New Palladium Cages as Potential Delivery Systems for the Anticancer Drug Cisplatin. <i>Chemistry - A European Journal</i> , 2016 , 22, 2253-6	4.8	94
222	Gold nanoparticles as electron reservoir redox catalysts for 4-nitrophenol reduction: a strong stereoelectronic ligand influence. <i>Chemical Communications</i> , 2014 , 50, 10126-9	5.8	93
221	Catalytically efficient palladium nanoparticles stabilized by "click" ferrocenyl dendrimers. <i>Chemical Communications</i> , 2007 , 4946-8	5.8	92
220	Electrical properties and non-volatile memory effect of the [Fe(HB(pz)3)2] spin crossover complex integrated in a microelectrode device. <i>Applied Physics Letters</i> , 2011 , 99, 053307	3.4	91
219	Cooperative spin crossover and order-disorder phenomena in a mononuclear compound [Fe(DAPP)(abpt)](ClO4)(2) [DAPP = [bis(3-aminopropyl)(2-pyridylmethyl)amine], abpt = 4-amino-3,5-bis(pyridin-2-yl)-1,2,4-triazole]. <i>Inorganic Chemistry</i> , 2004 , 43, 227-36	5.1	89
218	How to very efficiently functionalize gold nanoparticles by "click" chemistry. <i>Chemical Communications</i> , 2008 , 5788-90	5.8	87
217	Lanthanide(III)/actinide(III) differentiation in the cerium and uranium complexes [M(C5Me5)2(L)]0,+ (L=2,2'-bipyridine, 2,2':6',2''-terpyridine): structural, magnetic, and reactivity studies. <i>Chemistry - A European Journal</i> , 2005 , 11, 6994-7006	4.8	87

216	Spin-crossover metal-organic frameworks: promising materials for designing gas sensors. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1277-1285	7.1	79
215	Enhanced porosity in a new 3D Hofmann-like network exhibiting humidity sensitive cooperative spin transitions at room temperature. <i>Journal of Materials Chemistry</i> , 2011 , 21, 7217		79
214	Recent Developments of Supramolecular Metal-based Structures for Applications in Cancer Therapy and Imaging. <i>Theranostics</i> , 2019 , 9, 3150-3169	12.1	78
213	Current Switching Coupled to Molecular Spin-States in Large-Area Junctions. <i>Advanced Materials</i> , 2016 , 28, 7508-14	24	77
212	Room temperature bistability with wide thermal hysteresis in a spin crossover silica nanocomposite. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1933	7.1	73
211	Click-Dendrimer-Stabilized Palladium Nanoparticles as a Green Catalyst Down to Parts per Million for Efficient C-C Cross-Coupling Reactions and Reduction of 4-Nitrophenol. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 2525-2538	5.6	70
210	Spin crossover composite materials for electrothermomechanical actuators. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2949-2955	7.1	69
209	Re-appearance of cooperativity in ultra-small spin-crossover [Fe(pz){Ni(CN)}] nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10894-8	16.4	69
208	Cooperative spin crossover phenomena in [Fe(NH ₂ trz) ₃](tosylate) ₂ nanoparticles. <i>Chemical Communications</i> , 2010 , 46, 8011-3	5.8	69
207	Remarkably high-temperature spin transition exhibited by new 2D metal-organic frameworks. <i>Chemical Science</i> , 2012 , 3, 1629	9.4	65
206	Soft lithographic patterning of spin crossover complexes. Part 1: fluorescent detection of the spin transition in single nano-objects. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3745		62
205	Soft lithographic patterning of spin crossover nanoparticles. <i>Langmuir</i> , 2010 , 26, 1557-60	4	62
204	Homeopathic Catalytic Activity and Atom-Leaching Mechanism in Miyaura-Suzuki Reactions under Ambient Conditions with Precise Dendrimer-Stabilized Pd Nanoparticles. <i>Angewandte Chemie</i> , 2007 , 119, 8798-8802	3.6	60
203	"Click" dendrimers as efficient nanoreactors in aqueous solvent: Pd nanoparticle stabilization for sub-ppm Pd catalysis of Suzuki-Miyaura reactions of aryl bromides. <i>Chemical Communications</i> , 2013 , 49, 8169-71	5.8	59
202	Synthesis of spin-crossover nano- and micro-objects in homogeneous media. <i>Chemistry - A European Journal</i> , 2012 , 18, 9946-54	4.8	57
201	Spin-crossover nanoparticles and nanocomposite materials. <i>Comptes Rendus Chimie</i> , 2018 , 21, 1230-1269	2.7	56
200	Aluminum Hydrides Stabilized by N-Heterocyclic Imines as Catalysts for Hydroborations with Pinacolborane. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2016 , 642, 1245-1250	1.3	55
199	Pillarplexes: A Metal-Organic Class of Supramolecular Hosts. <i>Journal of the American Chemical Society</i> , 2016 , 138, 13171-13174	16.4	55

198	Efficient and magnetically recoverable "click" PEGylated Fe_2O_3 -Pd nanoparticle catalysts for Suzuki-Miyaura, Sonogashira, and Heck reactions with positive dendritic effects. <i>Chemistry - A European Journal</i> , 2015 , 21, 1508-19	4.8	54
197	A recyclable ruthenium(II) complex supported on magnetic nanoparticles: a regioselective catalyst for alkyne-azide cycloaddition. <i>Chemical Communications</i> , 2013 , 49, 6956-8	5.8	54
196	Two-Step Spin Crossover in a Mononuclear Compound $[\text{Fe}(\text{DPEA})(\text{bim})](\text{ClO}_4)_2 \cdot 0.5\text{H}_2\text{O}$ [DPEA = (2-Aminoethyl)bis(2-pyridylmethyl)amine, bim = 2,2-Bisimidazole] [Crystal Structure, Magnetic Properties, Mössbauer Spectroscopy, and Photomagnetic Effects. <i>European Journal of Inorganic Chemistry</i> , 2001 , 2001, 2935	2.3	53
195	Mass effect on the equienergetic high-spin/low-spin states of spin-crossover in 4,4'-bipyridine-bridged iron(II) polymeric compounds: synthesis, structure, and magnetic, Mössbauer, and theoretical studies. <i>Inorganic Chemistry</i> , 2002 , 41, 6997-7005	5.1	52
194	Finite size effects in molecular spin crossover materials. <i>New Journal of Chemistry</i> , 2014 , 38, 1834	3.6	51
193	Re-investigation of the spin crossover phenomenon in the ferrous complex $[\text{Fe}(\text{HB}(\text{pz})_3)_2]$. <i>New Journal of Chemistry</i> , 2009 , 33, 1283	3.6	51
192	Electronic communication between fluorescent pyrene excimers and spin crossover complexes in nanocomposite particles. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5026-5032	7.1	50
191	Coupling Mechanical and Electrical Properties in Spin Crossover Polymer Composites. <i>Advanced Materials</i> , 2018 , 30, 1705275	24	50
190	Two novel iron(II) materials based on dianionic N_4O_2 Schiff bases: structural properties and spin-crossover characteristics in the series $[\text{Fe}(3\text{-X},5\text{-NO}_2\text{-sal-N}(1,4,7,10))]$ (X = H, 3-MeO, 3-EtO). <i>Inorganic Chemistry</i> , 2005 , 44, 1763-73	5.1	50
189	High quality nano-patterned thin films of the coordination compound $\{\text{Fe}(\text{pyrazine})[\text{Pt}(\text{CN})_4]\}$ deposited layer-by-layer. <i>New Journal of Chemistry</i> , 2011 , 35, 2089	3.6	49
188	A pH-Dependent, Mechanically Interlocked Switch: Organometallic [2]Rotaxane vs. Organic [3]Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15733-15736	16.4	48
187	Gold nanoparticles synthesis and stabilization via new "clicked" polyethyleneglycol dendrimers. <i>Chemical Communications</i> , 2008 , 4819-21	5.8	48
186	Surface plasmons reveal spin crossover in nanometric layers. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15342-5	16.4	46
185	Design and Applications of an Efficient Amphiphilic "Click" Cu Catalyst in Water. <i>ACS Catalysis</i> , 2016 , 6, 5424-5431	13.1	45
184	Multifunctional redox polymers: electrochrome, polyelectrolyte, sensor, electrode modifier, nanoparticle stabilizer, and catalyst template. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 8445-8449	16.4	45
183	Hybrid spin-crossover nanostructures. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 2230-9	3	45
182	Versatility of the nature of the magnetic Cu(II) \leftrightarrow (IV) interaction. Syntheses, crystal structures and magnetic properties of Cu_2U and CuU compounds. <i>Dalton Transactions</i> , 2003 , 2872-2880	4.3	45
181	Metal-to-ligand and ligand-to-metal charge transfer in thin films of Prussian blue analogues investigated by X-ray absorption spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 5882-9	3.6	44

180	Structure and magnetism of the first strictly dinuclear compound containing paramagnetic 3d and 5f metal ions. Major influence of the Cu(II) ion coordination on the exchange Cu(II)-U(IV) interaction. <i>Chemical Communications</i> , 2003 , 762-3	5.8	44
179	Vacuum deposition of high-quality thin films displaying spin transition near room temperature. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4419-4425	7.1	43
178	Polymorphism-Dependent Spin-Crossover: Hysteretic Two-Step Spin Transition with an Ordered [HS-HS-LS] Intermediate Phase. <i>Inorganic Chemistry</i> , 2015 , 54, 5145-7	5.1	43
177	Synthesis of spin crossover nano-objects with different morphologies and properties. <i>New Journal of Chemistry</i> , 2011 , 35, 2081	3.6	43
176	Towards the Ultimate Size Limit of the Memory Effect in Spin-Crossover Solids. <i>Angewandte Chemie</i> , 2008 , 120, 8360-8364	3.6	43
175	Complete Set of Elastic Moduli of a Spin-Crossover Solid: Spin-State Dependence and Mechanical Actuation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 8970-8979	16.4	42
174	Guest effect on nanopatterned spin-crossover thin films. <i>Small</i> , 2011 , 7, 3385-91	11	42
173	Isolation of an N-Heterocyclic Carbene Complex of a Borasilene. <i>Chemistry - A European Journal</i> , 2019 , 25, 11036-11041	4.8	41
172	Raman spectroscopic and optical imaging of high spin/low spin domains in a spin crossover complex. <i>Chemical Physics Letters</i> , 2010 , 499, 94-99	2.5	41
171	Crystal structure of the first octanuclear uranium(IV) complex with compartmental Schiff base ligands. <i>Polyhedron</i> , 2004 , 23, 623-627	2.7	41
170	Crystal structure of hetero(bi- and tetra-)metallic complexes of compartmental Schiff bases uniting uranyl and transition metal (Ni ²⁺ , Cu ²⁺) ions. <i>Polyhedron</i> , 2003 , 22, 2683-2688	2.7	40
169	Unidirectional electric field-induced spin-state switching in spin crossover based microelectronic devices. <i>Chemical Physics Letters</i> , 2016 , 644, 138-141	2.5	39
168	A Bistable Microelectromechanical System Actuated by Spin-Crossover Molecules. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8074-8078	16.4	38
167	An efficient parts-per-million FeO nanocluster/graphene oxide catalyst for Suzuki-Miyaura coupling reactions and 4-nitrophenol reduction in aqueous solution. <i>Chemical Communications</i> , 2017 , 53, 644-646	5.8	38
166	The photo-thermal plasmonic effect in spin crossover@silica-gold nanocomposites. <i>Chemical Communications</i> , 2014 , 50, 13015-8	5.8	38
165	Metallo-dendrimers in three oxidation states with electronically interacting metals and stabilization of size-selected gold nanoparticles. <i>Nature Communications</i> , 2014 , 5, 3489	17.4	38
164	Mixed-valent click intertwined polymer units containing biferrocenium chloride side chains form nanosnakes that encapsulate gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13995-8	16.4	38
163	Robust, Efficient, and Recyclable Catalysts from the Impregnation of Preformed Dendrimers Containing Palladium Nanoparticles on a Magnetic Support. <i>ChemCatChem</i> , 2015 , 7, 303-308	5.2	37

162	Binding of molecular oxygen by an artificial heme analogue: investigation on the formation of an Fe-tetracarbene superoxo complex. <i>Dalton Transactions</i> , 2016 , 45, 6449-55	4.3	36
161	Enhanced luminescence stability with a Tb-spin crossover nanocomposite for spin state monitoring. <i>Chemical Communications</i> , 2015 , 51, 15098-101	5.8	35
160	Lattice dynamics in spin-crossover nanoparticles through nuclear inelastic scattering. <i>Physical Review B</i> , 2015 , 91,	3.3	34
159	Dielectric and charge transport properties of the spin crossover complex [Fe(Htrz) ₂ (trz)](BF ₄). <i>Physica Status Solidi - Rapid Research Letters</i> , 2014 , 8, 191-193	2.5	33
158	Water-soluble glycodendrimers: synthesis and stabilization of catalytically active Pd and Pt nanoparticles. <i>Tetrahedron Letters</i> , 2011 , 52, 1842-1846	2	33
157	"Click" star-shaped and dendritic PEGylated gold nanoparticle-carborane assemblies. <i>Inorganic Chemistry</i> , 2013 , 52, 11146-55	5.1	32
156	How a simple "clicked" PEGylated 1,2,3-triazole ligand stabilizes gold nanoparticles for multiple usage. <i>Chemical Communications</i> , 2013 , 49, 3218-20	5.8	32
155	Controlling Multiphoton Absorption Efficiency by Chromophore Packing in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11594-11602	16.4	30
154	Room temperature magnetic detection of spin switching in nanosized spin-crossover materials. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1185-8	16.4	30
153	Soft lithographic patterning of spin crossover complexes. Part 2: stimuli-responsive diffraction grating properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3752		30
152	Tunable spin-crossover behavior of the Hofmann-like network {Fe(bpac)[Pt(CN) ₄] through host-guest chemistry. <i>Chemistry - A European Journal</i> , 2013 , 19, 15036-43	4.8	30
151	Thermal and pressure-induced spin crossover in a novel three-dimensional Hoffman-like clathrate complex. <i>New Journal of Chemistry</i> , 2011 , 35, 1205	3.6	30
150	Encapsulation of docetaxel into PEGylated gold nanoparticles for vectorization to cancer cells. <i>ChemMedChem</i> , 2011 , 6, 2003-8	3.7	30
149	Solvatomorphism and structural-spin crossover property relationship in bis[hydrotris(1,2,4-triazol-1-yl)borate]iron(II). <i>CrystEngComm</i> , 2017 , 19, 3271-3280	3.3	29
148	Room temperature current modulation in large area electronic junctions of spin crossover thin films. <i>Applied Physics Letters</i> , 2018 , 112, 013301	3.4	29
147	The Effect of an Active Guest on the Spin Crossover Phenomenon. <i>Angewandte Chemie</i> , 2013 , 125, 1236-1240	3.4	29
146	Light induced modulation of charge transport phenomena across the bistability region in [Fe(Htrz) ₂ (trz)](BF ₄) spin crossover micro-rods. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 5151-4	3.6	29
145	Synergistic switching of plasmonic resonances and molecular spin states. <i>Nanoscale</i> , 2013 , 5, 5288-93	7.7	29

144	High-spin to low-spin relaxation kinetics in the [Fe(TRIM) ₂]Cl ₂ complex. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 2909-14	3.6	29
143	Polynuclear uranium(IV) compounds with (β-oxo)U ₃ or (β-oxo)U ₄ cores and compartmental Schiff base ligands. <i>Polyhedron</i> , 2006 , 25, 1537-1542	2.7	29
142	Redox-Robust Pentamethylferrocene Polymers and Supramolecular Polymers, and Controlled Self-Assembly of Pentamethylferricenium Polymer-Embedded Ag, AgI, and Au Nanoparticles. <i>Chemistry - A European Journal</i> , 2015 , 21, 18177-86	4.8	28
141	Synthesis and crystal structure of tetra- and hexanuclear uranium(IV) complexes with hexadentate compartmental Schiff-base ligands. <i>Dalton Transactions</i> , 2004 , 4139-45	4.3	28
140	Synthesis and crystal structure of uranium(IV) complexes with compartmental Schiff bases: from mononuclear species to tri- and tetranuclear clusters. <i>Dalton Transactions</i> , 2004 , 1635-43	4.3	28
139	Selective and catalytic carbon dioxide and heteroallene activation mediated by cerium N-heterocyclic carbene complexes. <i>Chemical Science</i> , 2018 , 9, 8035-8045	9.4	28
138	Three-Coordinate Boron(III) and Diboron(II) Dications. <i>Chemistry - A European Journal</i> , 2018 , 24, 4283-4288	4.8	27
137	From Mono to Tris-1,2,3-triazole-Stabilized Gold Nanoparticles and Their Compared Catalytic Efficiency in 4-Nitrophenol Reduction. <i>Inorganic Chemistry</i> , 2016 , 55, 6776-80	5.1	27
136	Stabilization of AuNPs by monofunctional triazole linked to ferrocene, ferricenium, or coumarin and applications to synthesis, sensing, and catalysis. <i>Inorganic Chemistry</i> , 2014 , 53, 11802-8	5.1	27
135	Spin crossover polysaccharide nanocomposites. <i>New Journal of Chemistry</i> , 2013 , 37, 3420	3.6	27
134	Catalysis of C-C Cross-Coupling Reactions in Aqueous Solvent by Bis- and Tris(ferrocenyltriazolylmethyl)arene-Cyclodextrin-Stabilized Pd ⁰ Nanoparticles. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 2950-2958	2.3	27
133	Finite Size Effects on the Switching Dynamics of Spin-Crossover Thin Films Photoexcited by a Femtosecond Laser Pulse. <i>Advanced Materials</i> , 2019 , 31, e1901361	24	26
132	On the stability of spin crossover materials: From bulk samples to electronic devices. <i>Polyhedron</i> , 2015 , 102, 434-440	2.7	26
131	"Click" chemistry mildly stabilizes bifunctional gold nanoparticles for sensing and catalysis. <i>Chemistry - A European Journal</i> , 2014 , 20, 8363-9	4.8	26
130	Cellulose spin crossover particle composite papers with reverse printing performance: a proof of concept. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7897-7905	7.1	26
129	Correlation between the Stoichiometry and the Bistability of Electronic States in Valence-Tautomeric R _x Mn[Fe(CN) ₆] _y ·zH ₂ O Complexes. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 1549-1555	2.3	26
128	Spin crossover polymer composites, polymers and related soft materials. <i>Coordination Chemistry Reviews</i> , 2020 , 419, 213396	23.2	25
127	Efficient Click-Polymer-Stabilized Palladium Nanoparticle Catalysts for Suzuki-Miyaura Reactions of Bromoarenes and Reduction of 4-Nitrophenol in Aqueous Solvents. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 2992-3001	5.6	25

126	Toolbox of Nonmetallocene Lanthanides: Multifunctional Catalysts in Group-Transfer Polymerization. <i>Inorganic Chemistry</i> , 2017 , 56, 9754-9764	5.1	25
125	Hysteresis, nucleation and growth phenomena in spin-crossover solids. <i>Solid State Sciences</i> , 2017 , 74, A1-A22	3.4	25
124	Detection of molecular spin-state changes in ultrathin films by photonic methods. <i>Journal of Nanophotonics</i> , 2012 , 6, 063517	1.1	25
123	Microelectromechanical systems integrating molecular spin crossover actuators. <i>Applied Physics Letters</i> , 2016 , 109, 061903	3.4	25
122	Micromachining-Compatible, Facile Fabrication of Polymer Nanocomposite Spin Crossover Actuators. <i>Advanced Functional Materials</i> , 2018 , 28, 1801970	15.6	25
121	Piezoresistive Effect in the [Fe(Htrz)(trz)](BF ₄) Spin Crossover Complex. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3147-3151	6.4	24
120	AFM imaging of molecular spin-state changes through quantitative thermomechanical measurements. <i>Advanced Materials</i> , 2014 , 26, 2889-93	24	24
119	Trinuclear Schiff base complexes with uranium(V) and copper(II) or zinc(II) ions. <i>Polyhedron</i> , 2007 , 26, 631-636	2.7	24
118	Synthesis, structure and magnetic behaviour of dinuclear uranium(IV) complexes with a calixsalophenyl-type macrocycle. <i>New Journal of Chemistry</i> , 2006 , 30, 1220-1227	3.6	24
117	Metal Substitution Effects on the Charge Transport and Spin Crossover Properties of [Fe ₁ Zn _x (Htrz) ₂ (trz)](BF ₄) (trz = Triazole). <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8522-8529	3.8	23
116	Luminescent Spin-Crossover Materials 2013 , 347-373		23
115	Click Functionalization of Gold Nanoparticles Using the Very Efficient Catalyst Copper(I) (Hexabenzyl)tris(2-aminoethyl)-amine Bromide. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 1001-1011	5.6	23
114	Uranium(IV) complexes of calix[n]arenes (n = 4, 6 and 8). <i>Chemical Communications</i> , 2006 , 856-8	5.8	21
113	Unprecedented Size Effect on the Phase Stability of Molecular Thin Films Displaying a Spin Transition. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25617-25621	3.8	20
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