Lionel Salmon

List of Publications by Year
in descending order

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256 papers	13,294 citations	22099 59 h-index	30010 103 g-index
268 all docs	268 docs citations	268 times ranked	9459 citing authors

#	Article	IF	Citations
1	Molecular spin crossover phenomenon: recent achievements and prospects. Chemical Society Reviews, 2011, 40, 3313.	18.7	1,163
2	Spin Crossover Nanomaterials: From Fundamental Concepts to Devices. Advanced Materials, 2018, 30, 1703862.	11.1	403
3	â€œHomeopathicâ€•Catalytic Activity and Atomâ€Leaching Mechanism in Miyauraâ€“Suzuki Reactions under Ambient Conditions with Precise Dendrimerâ€Stabilized Pd Nanoparticles. Angewandte Chemie - International Edition, 2007, 46, 8644-8648.	7.2	306
4	Highly Selective and Sharp Volcano-type Synergistic Ni₂Pt@ZIF-8-Catalyzed Hydrogen Evolution from Ammonia Borane Hydrolysis. Journal of the American Chemical Society, 2018, 140, 10034-10042.	6.6	306
5	Hydrolysis of Ammonia-Borane over Ni/ZIF-8 Nanocatalyst: High Efficiency, Mechanism, and Controlled Hydrogen Release. Journal of the American Chemical Society, 2017, 139, 11610-11615.	6.6	293
6	Two-Step Spin Conversion for the Three-Dimensional Compound Tris(4,4â€˜-bis-1,2,4-triazole)iron(II) Diperchlorate. Inorganic Chemistry, 1999, 38, 4663-4670.	1.9	231
7	Sodium borohydride stabilizes very active gold nanoparticle catalysts. Chemical Communications, 2014, 50, 14194-14196.	2.2	228
8	Molecular actuators driven by cooperative spin-state switching. Nature Communications, 2013, 4, 2607.	5.8	221
9	Switchable molecule-based materials for micro- and nanoscale actuating applications: Achievements and prospects. Coordination Chemistry Reviews, 2016, 308, 395-408.	9.5	206
10	Single-Laser-Shot-Induced Complete Bidirectional Spin Transition at Room Temperature in Single Crystals of (Fe^{II}(pyrazine)(Pt(CN)₄)). Journal of the American Chemical Society, 2008, 130, 9019-9024.	6.6	191
11	Towards the Ultimate Size Limit of the Memory Effect in Spinâ€Crossover Solids. Angewandte Chemie - International Edition, 2008, 47, 8236-8240.	7.2	189
12	â€œClickâ€•Dendrimers: Synthesis, Redox Sensing of Pd(OAc)₂, and Remarkable Catalytic Hydrogenation Activity of Precise Pd Nanoparticles Stabilized by 1,2,3â€Triazoleâ€Containing Dendrimers. Chemistry - A European Journal, 2008, 14, 50-64.	1.7	188
13	Charge Transport and Electrical Properties of Spin Crossover Materials: Towards Nanoelectronic and Spintronic Devices. Magnetochemistry, 2016, 2, 18.	1.0	166
14	Encapsulation and Stabilization of Gold Nanoparticles with â€œClickâ€•Polyethyleneglycol Dendrimers. Journal of the American Chemical Society, 2010, 132, 2729-2742.	6.6	157
15	Dramatic Synergy in CoPt Nanocatalysts Stabilized by â€œClickâ€•Dendrimers for Evolution of Hydrogen from Hydrolysis of Ammonia Borane. ACS Catalysis, 2019, 9, 1110-1119.	5.5	157
16	A novel approach for fluorescent thermometry and thermal imaging purposes using spin crossover nanoparticles. Journal of Materials Chemistry, 2010, 20, 5499.	6.7	154
17	Spin Crossover at the Nanometre Scale. European Journal of Inorganic Chemistry, 2013, 2013, 653-661.	1.0	151
18	Emerging properties and applications of spin crossover nanomaterials. Journal of Materials Chemistry C, 2014, 2, 1360-1366.	2.7	151

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19	Electric-Field-Induced Charge-Transfer Phase Transition: A Promising Approach Toward Electrically Switchable Devices. Journal of the American Chemical Society, 2009, 131, 15049-15054.	6.6	143
20	Spin state dependence of electrical conductivity of spin crossover materials. Chemical Communications, 2012, 48, 4163-4165.	2.2	140
21	Recent Developments of Supramolecular Metal-based Structures for Applications in Cancer Therapy and Imaging. Theranostics, 2019, 9, 3150-3169.	4.6	133
22	Nanoâ€electromanipulation of Spin Crossover Nanorods: Towards Switchable Nanoelectronic Devices. Advanced Materials, 2013, 25, 1745-1749.	11.1	132
23	Highly Efficient Transition Metal Nanoparticle Catalysts in Aqueous Solutions. Angewandte Chemie - International Edition, 2016, 55, 3091-3095.	7.2	130
24	Sulphonated â€œClickâ€•Dendrimerâ€Stabilized Palladium Nanoparticles as Highly Efficient Catalysts for Olefin Hydrogenation and Suzuki Coupling Reactions Under Ambient Conditions in Aqueous Media. Advanced Synthesis and Catalysis, 2008, 350, 837-845.	2.1	128
25	The Effect of an Active Guest on the Spin Crossover Phenomenon. Angewandte Chemie - International Edition, 2013, 52, 1198-1202.	7.2	119
26	Evaluation of New Palladium Cages as Potential Delivery Systems for the Anticancer Drug Cisplatin. Chemistry - A European Journal, 2016, 22, 2253-2256.	1.7	119
27	Synthesis, Structure, and Magnetic Behavior of a Series of Trinuclear Schiff Base Complexes of 5f (UIV,) Tj ETQq1 1 0.784314 rgBT /O	1.9	114
28	Electrical properties and non-volatile memory effect of the [Fe(HB(pz)3)2] spin crossover complex integrated in a microelectrode device. Applied Physics Letters, 2011, 99, .	1.5	110
29	Enhanced Cooperative Interactions at the Nanoscale in Spin-Crossover Materials with a First-Order Phase Transition. Physical Review Letters, 2013, 110, 235701.	2.9	109
30	Synergetic Effect of Hostâ€“Guest Chemistry and Spin Crossover in 3D Hofmannâ€•like Metalâ€“Organic Frameworks [Fe(bpac)M(CN)₄] (M=Pt, Pd, Ni). Chemistry - A European Journal, 2012, 18, 507-516.	1.7	107
31	Thermal and Optical Switching of Molecular Spin States in the {[FeL[H2B(pz)2]2} Spin-Crossover System (L = bpy, phen)â€. Journal of Physical Chemistry B, 2002, 106, 4276-4283.	1.2	105
32	Spin-crossover metalâ€“organic frameworks: promising materials for designing gas sensors. Journal of Materials Chemistry C, 2015, 3, 1277-1285.	2.7	102
33	Lanthanide(III)/Actinide(III) Differentiation in the Cerium and Uranium Complexes [M(C5Me5)2(L)]0,+ (L=2,2â€²-Bipyridine, 2,2â€²:6â€²,2â€²â€²-Terpyridine): Structural, Magnetic, and Reactivity Studies. Chemistry - A European Journal, 2005, 11, 6994-7006.	1.7	101
34	Gold nanoparticles as electron reservoir redox catalysts for 4-nitrophenol reduction: a strong stereoelectronic ligand influence. Chemical Communications, 2014, 50, 10126-10129.	2.2	101
35	Cooperative Spin Crossover and Orderâ˜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]. Inorganic Chemistry, 2004, 43, 227-236.	1.9	100
36	How to very efficiently functionalize gold nanoparticles by â€œclickâ€•chemistry. Chemical Communications, 2008, , 5788.	2.2	99

#	Article	IF	Citations
37	Catalytically efficient palladium nanoparticles stabilized by â€œclickâ€•ferrocenyl dendrimers. Chemical Communications, 2007, , 4946.	2.2	96
38	Current Switching Coupled to Molecular Spinâ€Šstates in Largeâ€Area Junctions. Advanced Materials, 2016, 28, 7508-7514.	11.1	93
39	Enhanced porosity in a new 3D Hofmann-like network exhibiting humidity sensitive cooperative spin transitions at room temperature. Journal of Materials Chemistry, 2011, 21, 7217.	6.7	90
40	Spin crossover composite materials for electrothermomechanical actuators. Journal of Materials Chemistry C, 2014, 2, 2949-2955.	2.7	82
41	â€œClickâ€•Dendrimerâ€Šstabilized Palladium Nanoparticles as a Green Catalyst Down to Parts per Million for Efficient Cï£¿C Crossâ€Coupling Reactions and Reduction of 4â€Nitrophenol. Advanced Synthesis and Catalysis, 2014, 356, 2525-2538.	2.1	82
42	Room temperature bistability with wide thermal hysteresis in a spin crossover silica nanocomposite. Journal of Materials Chemistry C, 2013, 1, 1933.	2.7	81
43	Spin-crossover nanoparticles and nanocomposite materials. Comptes Rendus Chimie, 2018, 21, 1230-1269.	0.2	81
44	Pillarplexes: A Metalâ€“Organic Class of Supramolecular Hosts. Journal of the American Chemical Society, 2016, 138, 13171-13174.	6.6	78
45	Reâ€Appearance of Cooperativity in Ultraâ€Small Spinâ€Crossover [Fe(pz){Ni(CN)₄}] Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 10894-10898.	7.2	76
46	Coupling Mechanical and Electrical Properties in Spin Crossover Polymer Composites. Advanced Materials, 2018, 30, 1705275.	11.1	76
47	Cooperative spin crossover phenomena in [Fe(NH2trz)3](tosylate)2 nanoparticles. Chemical Communications, 2010, 46, 8011.	2.2	74
48	A pHâ€Dependent, Mechanically Interlocked Switch: Organometallic [2]Rotaxane vs. Organic [3]Rotaxane. Angewandte Chemie - International Edition, 2017, 56, 15733-15736.	7.2	73
49	Aluminum Hydrides Stabilized by Nâ€Heterocyclic Imines as Catalysts for Hydroborations with Pinacolborane. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1245-1250.	0.6	70
50	Remarkably high-temperature spin transition exhibited by new 2D metalâ€“organic frameworks. Chemical Science, 2012, 3, 1629.	3.7	68
51	â€œClickâ€•dendrimers as efficient nanoreactors in aqueous solvent: Pd nanoparticle stabilization for sub-ppm Pd catalysis of Suzukiâ€“Miyaura reactions of aryl bromides. Chemical Communications, 2013, 49, 8169.	2.2	68
52	Spin crossover polymer composites, polymers and related soft materials. Coordination Chemistry Reviews, 2020, 419, 213396.	9.5	66
53	Soft lithographic patterning of spin crossover complexes. Part 1: fluorescent detection of the spin transition in single nano-objects. Journal of Materials Chemistry, 2012, 22, 3745.	6.7	65
54	Two-Step Spin Crossover in a Mononuclear Compound [Fe(DPEA)(bim)](ClO4)2Â·0.5ÂH2O[DPEA = (2-Aminoethyl)bis(2-pyridylmethyl)amine, bim = 2,2-Bisimidazole] â^' Crystal Structure, Magnetic Properties, MÃ¶ssbauer Spectroscopy, and Photomagnetic Effects. European Journal of Inorganic Chemistry, 2001, 2001, 2935.	1.0	64

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55	Re-investigation of the spin crossover phenomenon in the ferrous complex [Fe(HB(pz)3)2]. New Journal of Chemistry, 2009, 33, 1283.	1.4	63
56	Soft Lithographic Patterning of Spin Crossover Nanoparticles. Langmuir, 2010, 26, 1557-1560.	1.6	63
57	Synthesis of Spinâ€Crossover Nanoâ€and Microâ€objects in Homogeneous Media. Chemistry - A European Journal, 2012, 18, 9946-9954.	1.7	63
58	Electronic communication between fluorescent pyrene excimers and spin crossover complexes in nanocomposite particles. Journal of Materials Chemistry C, 2015, 3, 5026-5032.	2.7	63
59	Efficient and Magnetically Recoverable â€œClickâ€PEGylated Î³â€Fe₂O₃â€“Pd Nanoparticle Catalysts for Suzukiâ€“Miyaura, Sonogashira, and Heck Reactions with Positive Dendritic Effects. Chemistry - A European Journal, 2015, 21, 1508-1519.	1.7	62
60	Isolation of an Nâ€Heterocyclic Carbene Complex of a Borasilene. Chemistry - A European Journal, 2019, 25, 11036-11041.	1.7	62
61	A recyclable ruthenium(ii) complex supported on magnetic nanoparticles: a regioselective catalyst for alkyneâ€“azide cycloaddition. Chemical Communications, 2013, 49, 6956.	2.2	60
62	Complete Set of Elastic Moduli of a Spin-Crossover Solid: Spin-State Dependence and Mechanical Actuation. Journal of the American Chemical Society, 2018, 140, 8970-8979.	6.6	60
63	Finite size effects in molecular spin crossover materials. New Journal of Chemistry, 2014, 38, 1834.	1.4	59
64	Design and Applications of an Efficient Amphiphilic â€œClickâ€Cu^I Catalyst in Water. ACS Catalysis, 2016, 6, 5424-5431.	5.5	59
65	Unidirectional electric field-induced spin-state switching in spin crossover based microelectronic devices. Chemical Physics Letters, 2016, 644, 138-141.	1.2	58
66	Controlling Multiphoton Absorption Efficiency by Chromophore Packing in Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 11594-11602.	6.6	56
67	Vacuum deposition of high-quality thin films displaying spin transition near room temperature. Journal of Materials Chemistry C, 2017, 5, 4419-4425.	2.7	55
68	Mass Effect on the Equienergetic High-Spin/Low-Spin States of Spin-Crossover in 4,4â€˜-Bipyridine-Bridged Iron(II) Polymeric Compounds:Â Synthesis, Structure, and Magnetic, MÃ¶ssbauer, and Theoretical Studies. Inorganic Chemistry, 2002, 41, 6997-7005.	1.9	54
69	Two Novel Iron(II) Materials Based on Dianionic N4O2Schiff Bases:Â Structural Properties and		

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73	Gold nanoparticles synthesis and stabilization via new â€œclickedâ€•polyethyleneglycol dendrimers. Chemical Communications, 2008, , 4819.	2.2	49
74	Surface Plasmons Reveal Spin Crossover in Nanometric Layers. Journal of the American Chemical Society, 2011, 133, 15342-15345.	6.6	49
75	Polymorphism-Dependent Spin-Crossover: Hysteretic Two-Step Spin Transition with an Ordered [HSâ€“HSâ€“LS] Intermediate Phase. Inorganic Chemistry, 2015, 54, 5145-5147.	1.9	49
76	Metal-to-ligand and ligand-to-metal charge transfer in thin films of Prussian blue analogues investigated by X-ray absorption spectroscopy. Physical Chemistry Chemical Physics, 2008, 10, 5882.	1.3	48
77	A Bistable Microelectromechanical System Actuated by Spinâ€Crossover Molecules. Angewandte Chemie - International Edition, 2017, 56, 8074-8078.	7.2	48
78	Versatility of the nature of the magnetic Cu(ii)â€“U(iv) interaction. Syntheses, crystal structures and magnetic properties of Cu2U and CuU compounds. Dalton Transactions, 2003, , 2872-2880.	1.6	46
79	Raman spectroscopic and optical imaging of high spin/low spin domains in a spin crossover complex. Chemical Physics Letters, 2010, 499, 94-99.	1.2	46
80	Synthesis of spin crossover nano-objects with different morphologies and properties. New Journal of Chemistry, 2011, 35, 2081.	1.4	46
81	Guest Effect on Nanopatterned Spinâ€Crossover Thin Films. Small, 2011, 7, 3385-3391.	5.2	46
82	An efficient parts-per-million Î±-Fe₂O₃ nanocluster/graphene oxide catalyst for Suzukiâ€“Miyaura coupling reactions and 4-nitrophenol reduction in aqueous solution. Chemical Communications, 2017, 53, 644-646.	2.2	46
83	Structure and magnetism of the first strictly dinuclear compound containing paramagnetic 3d and 5f metal ions. Major influence of the CuII ion coordination on the exchange Cuâ€“UIV interaction. Chemical Communications, 2003, , 762-763.	2.2	45
84	Lattice dynamics in spin-crossover nanoparticles through nuclear inelastic scattering. Physical Review B, 2015, 91, .	1.1	45
85	Crystal structure of the first octanuclear uranium(IV) complex with compartmental Schiff base ligands. Polyhedron, 2004, 23, 623-627.	1.0	44
86	Mixed-Valent Click Intertwined Polymer Units Containing Biferrocenium Chloride Side Chains Form Nanosnakes that Encapsulate Gold Nanoparticles. Journal of the American Chemical Society, 2014, 136, 13995-13998.	6.6	44
87	Crystal structure of hetero(bi- and tetra-)metallic complexes of compartmental Schiff bases uniting uranyl and transition metal (Ni2+, Cu2+) ions. Polyhedron, 2003, 22, 2683-2688.	1.0	43
88	Binding of molecular oxygen by an artificial heme analogue: investigation on the formation of an Feâ€“tetracarbene superoxo complex. Dalton Transactions, 2016, 45, 6449-6455.	1.6	43
89	Metallodendrimers in three oxidation states with electronically interacting metals and stabilization of size-selected gold nanoparticles. Nature Communications, 2014, 5, 3489.	5.8	42
90	Enhanced luminescence stability with a Tbâ€“spin crossover nanocomposite for spin state monitoring. Chemical Communications, 2015, 51, 15098-15101.	2.2	42

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91	Micromachiningâ€Compatible, Facile Fabrication of Polymer Nanocomposite Spin Crossover Actuators. Advanced Functional Materials, 2018, 28, 1801970.	7.8	42
92	Finite Size Effects on the Switching Dynamics of Spinâ€Crossover Thin Films Photoexcited by a Femtosecond Laser Pulse. Advanced Materials, 2019, 31, e1901361.	11.1	42
93	The photo-thermal plasmonic effect in spin crossover@silicaâ€“gold nanocomposites. Chemical Communications, 2014, 50, 13015-13018.	2.2	41
94	Robust, Efficient, and Recyclable Catalysts from the Impregnation of Preformed Dendrimers Containing Palladium Nanoparticles on a Magnetic Support. ChemCatChem, 2015, 7, 303-308.	1.8	41
95	Solvatomorphism and structural-spin crossover property relationship in bis[hydrotris(1,2,4-triazol-1-yl)borate]iron(ii). CrystEngComm, 2017, 19, 3271-3280.	1.3	40
96	Unprecedented switching endurance affords for high-resolution surface temperature mapping using a spin-crossover film. Nature Communications, 2020, 11, 3611.	5.8	40
97	Room temperature current modulation in large area electronic junctions of spin crossover thin films. Applied Physics Letters, 2018, 112, .	1.5	39
98	Selective and catalytic carbon dioxide and heteroallene activation mediated by cerium N-heterocyclic carbene complexes. Chemical Science, 2018, 9, 8035-8045.	3.7	39
99	Dielectric and charge transport properties of the spin crossover complex [Fe(Htrz)₂(trz)](BF₄). Physica Status Solidi - Rapid Research Letters, 2014, 8, 191-193.	1.2	38
100	Microelectromechanical systems integrating molecular spin crossover actuators. Applied Physics Letters, 2016, 109, .	1.5	38
101	Encapsulation of Docetaxel into PEGylated Gold Nanoparticles for Vectorization to Cancer Cells. ChemMedChem, 2011, 6, 2003-2008.	1.6	37
102	Room Temperature Magnetic Detection of Spin Switching in Nanosized Spinâ€Crossover Materials. Angewandte Chemie - International Edition, 2013, 52, 1185-1188.	7.2	37
103	Hysteresis, nucleation and growth phenomena in spin-crossover solids. Solid State Sciences, 2017, 74, A1-A22.	1.5	37
104	Tunable Spinâ€Crossover Behavior of the Hofmannâ€like Network {Fe(bpac)[Pt(CN)₄]} through Hostâ€“Guest Chemistry. Chemistry - A European Journal, 2013, 19, 15036-15043.	1.7	36
105	Threeâ€Coordinate Boron(III) and Diboron(II) Dications. Chemistry - A European Journal, 2018, 24, 4283-4288.	1.7	35
106	â€œClickâ€•Star-Shaped and Dendritic PEGylated Gold Nanoparticle-Carborane Assemblies. Inorganic Chemistry, 2013, 52, 11146-11155.	1.9	34
107	Synergistic switching of plasmonic resonances and molecular spin states. Nanoscale, 2013, 5, 5288.	2.8	34
108	Celluloseâ€“spin crossover particle composite papers with reverse printing performance: a proof of concept. Journal of Materials Chemistry C, 2015, 3, 7897-7905.	2.7	34

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109	Thermal and pressure-induced spin crossover in a novel three-dimensional Hoffman-like clathrate complex. New Journal of Chemistry, 2011, 35, 1205.	1.4	33
110	Water-soluble glycodendrimers: synthesis and stabilization of catalytically active Pd and Pt nanoparticles. Tetrahedron Letters, 2011, 52, 1842-1846.	0.7	33
111	How a simple â€œclickedâ€•PEGylated 1,2,3-triazole ligand stabilizes gold nanoparticles for multiple usage. Chemical Communications, 2013, 49, 3218.	2.2	33
112	Light induced modulation of charge transport phenomena across the bistability region in [Fe(Htrz)₂(trz)](BF₄) spin crossover micro-rods. Physical Chemistry Chemical Physics, 2015, 17, 5151-5154.	1.3	33
113	On the stability of spin crossover materials: From bulk samples to electronic devices. Polyhedron, 2015, 102, 434-440.	1.0	33
114	From Mono to Tris-1,2,3-triazole-Stabilized Gold Nanoparticles and Their Compared Catalytic Efficiency in 4-Nitrophenol Reduction. Inorganic Chemistry, 2016, 55, 6776-6780.	1.9	33
115	Redoxâ€Robust Pentamethylferrocene Polymers and Supramolecular Polymers, and Controlled Selfâ€Assembly of Pentamethylferricenium Polymerâ€Embedded Ag, AgI, and Au Nanoparticles. Chemistry - A European Journal, 2015, 21, 18177-18186.	1.7	32
116	Spin crossover polysaccharide nanocomposites. New Journal of Chemistry, 2013, 37, 3420.	1.4	31
117	4D printing with spin-crossover polymer composites. Journal of Materials Chemistry C, 2020, 8, 6001-6005.	2.7	31
118	High-spin to low-spin relaxation kinetics in the [Fe(TRIM)2]Cl2 complex. Physical Chemistry Chemical Physics, 2005, 7, 2909.	1.3	30
119	Soft lithographic patterning of spin crossover complexes. Part 2: stimuli-responsive diffraction grating properties. Journal of Materials Chemistry, 2012, 22, 3752.	6.7	30
120	â€œClickâ€•Chemistry Mildly Stabilizes Bifunctional Gold Nanoparticles for Sensing and Catalysis. Chemistry - A European Journal, 2014, 20, 8363-8369.	1.7	30
121	Toolbox of Nonmetallocene Lanthanides: Multifunctional Catalysts in Group-Transfer Polymerization. Inorganic Chemistry, 2017, 56, 9754-9764.	1.9	30
122	Polynuclear uranium(IV) compounds with (Î¼3-oxo)U3 or (Î¼4-oxo)U4 cores and compartmental Schiff base ligands. Polyhedron, 2006, 25, 1537-1542.	1.0	29
123	Correlation between the Stoichiometry and the Bistability of Electronic States in Valence-Tautomeric RbxMn[Fe(CN)6]yÂ·zH2O Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 1549-1555.	1.0	29
124	Catalysis of Câ€“C Crossâ€Coupling Reactions in Aqueous Solvent by Bisâ€•and Tris(ferrocenyltriazolylmethyl)areneâ€“Î²â€Cyclodextrinâ€Stabilized Pd⁰ Nanoparticles. European Journal of Inorganic Chemistry, 2012, 2012, 2950-2958.	1.0	29
125	Efficient Clickâ€Polymerâ€Stabilized Palladium Nanoparticle Catalysts for Suzukiâ€“Miyaura Reactions of Bromoarenes and Reduction of 4â€Nitrophenol in Aqueous Solvents. Advanced Synthesis and Catalysis, 2013, 355, 2992-3001.	2.1	29
126	Metal Substitution Effects on the Charge Transport and Spin Crossover Properties of [Fe_{1â€“x}Zn_x(Htrz)₂(trz)](BF₄) (trz =) Tj ETQq0 0 0 rgBT /Overlock 10	1.5	29

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127	Piezoresistive Effect in the [Fe(Htrz)₂(trz)](BF₄) Spin Crossover Complex. Journal of Physical Chemistry Letters, 2017, 8, 3147-3151.	2.1	29
128	Synthesis and crystal structure of tetra- and hexanuclear uranium(iv) complexes with hexadentate compartmental Schiff-base ligands. Dalton Transactions, 2004, , 4139-4145.	1.6	28
129	Synthesis and crystal structure of uranium(iv) complexes with compartmental Schiff bases: from mononuclear species to tri- and tetranuclear clusters. Dalton Transactions, 2004, , 1635-1643.	1.6	28
130	Stabilization of AuNPs by Monofunctional Triazole Linked to Ferrocene, Ferricenium, or Coumarin and Applications to Synthesis, Sensing, and Catalysis. Inorganic Chemistry, 2014, 53, 11802-11808.	1.9	28
131	Heat Capacity and Thermal Damping Properties of Spinâ€Crossover Molecules: A New Look at an Old Topic. Advanced Materials, 2020, 32, e2000987.	11.1	28
132	Detection of molecular spin-state changes in ultrathin films by photonic methods. Journal of Nanophotonics, 2012, 6, 063517.	0.4	27
133	AFM Imaging of Molecular Spinâ€State Changes through Quantitative Thermomechanical Measurements. Advanced Materials, 2014, 26, 2889-2893.	11.1	27
134	Exploring the Reactivity and Biological Effects of Heteroleptic Nâ€Heterocyclic Carbene Gold(I)â€Alkynyl Complexes. European Journal of Inorganic Chemistry, 2020, 2020, 1040-1051.	1.0	26
135	Visible-Light Acceleration of H₂ Evolution from Aqueous Solutions of Inorganic Hydrides Catalyzed by Gold-Transition-Metal Nanoalloys. ACS Applied Materials & Interfaces, 2020, 12, 53816-53826.	4.0	26
136	Synthesis, structure and magnetic behaviour of dinuclear uranium(iv) complexes with a â€˜calixsalophenâ€™ type macrocycle. New Journal of Chemistry, 2006, 30, 1220-1227.	1.4	25
137	Unprecedented Size Effect on the Phase Stability of Molecular Thin Films Displaying a Spin Transition. Journal of Physical Chemistry C, 2017, 121, 25617-25621.	1.5	25
138	Trinuclear Schiff base complexes with uranium(V) and copper(II) or zinc(II) ions. Polyhedron, 2007, 26, 631-636.	1.0	24
139	Click Functionalization of Gold Nanoparticles Using the Very Efficient Catalyst Copper(I) (Hexabenzyl)tris(2â€aminoethyl)â€amine Bromide. Advanced Synthesis and Catalysis, 2012, 354, 1001-1011.	2.1	24
140	Elastic coupling between spin-crossover particles and cellulose fibers. Chemical Communications, 2016, 52, 11267-11269.	2.2	24
141	Uranium(iv) complexes of calix[n]arenes (n = 4, 6 and 8). Chemical Communications, 2006, , 856.	2.2	23
142	Gold Nanoparticles Stabilized by Glycodendrimers: Synthesis and Application to the Catalytic Reduction of 4-Nitrophenol. European Journal of Inorganic Chemistry, 2014, 2014, 2671-2677.	1.0	23
143	A Tris(triazolate) Ligand for a Highly Active and Magnetically Recoverable Palladium Catalyst of Selective Alcohol Oxidation Using Air at Atmospheric Pressure. Chemistry - A European Journal, 2015, 21, 6501-6510.	1.7	23
144	Highly Efficient Transition Metal Nanoparticle Catalysts in Aqueous Solutions. Angewandte Chemie, 2016, 128, 3143-3147.	1.6	23

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145	High Spatial Resolution Imaging of Transient Thermal Events Using Materials with Thermal Memory. Small, 2016, 12, 6325-6331.	5.2	23
146	A Bistable Microelectromechanical System Actuated by Spinâ€Crossover Molecules. Angewandte Chemie, 2017, 129, 8186-8190.	1.6	23
147	[6Ï€] Photocyclization to cis-Hexahydrocarbazol-4-ones: Substrate Modification, Mechanism, and Scope. Journal of Organic Chemistry, 2019, 84, 1139-1153.	1.7	23
148	Magnetic Susceptibility Study of Subâ€Picoâ€emu Sample Using a Micromagnetometer: An Investigation through Bistable Spinâ€Crossover Materials. Advanced Materials, 2017, 29, 1703073.	11.1	22
149	Embryonic brass: pseudo two electron Cu/Zn clusters. Chemical Science, 2018, 9, 8906-8913.	3.7	22
150	Antimicrobial Activity and Cytotoxicity of Ag(I) and Au(I) Pillarplexes. Frontiers in Chemistry, 2018, 6, 584.	1.8	22
151	Synthesis, crystal structure and reactivity of uranium(iv) complexes with p-tert-butylcalix[4]arene ligands. Dalton Transactions, 2006, , 3006-3014.	1.6	21
152	Iodine(III)-Catalyzed Cascade Reactions Enabling a Direct Access to Î²-Lactams and Î±-Hydroxy-Î²-amino Acids. Organic Letters, 2016, 18, 3466-3469.	2.4	21
153	Mechano-electric coupling in P(VDFâ€“TrFE)/spin crossover composites. Journal of Materials Chemistry C, 2020, 8, 6042-6051.	2.7	21
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