

M Carmen Muoz

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.

200
papers

9,730
citations

54
h-index

91
g-index

230
ext. papers

10,537
ext. citations

5.5
avg, IF

6.02
L-index

#	Paper	IF	Citations
200	Bistable Hofmann-Type Fe Spin-Crossover Two-Dimensional Polymers of 4-Alkyldisulfanylpyridine for Prospective Grafting of Monolayers on Metallic Surfaces. <i>Inorganic Chemistry</i> , 2021 , 60, 9040-9049	5.1	1
199	Spin Crossover in a Series of Non-Hofmann-Type Fe(II) Coordination Polymers Based on [Hg(SeCN)] or [Hg(SeCN)] Building Blocks. <i>Inorganic Chemistry</i> , 2021 , 60, 11048-11057	5.1	1
198	Enhanced Interplay between Host-Guest and Spin-Crossover Properties through the Introduction of an N Heteroatom in 2D Hofmann Clathrates. <i>Inorganic Chemistry</i> , 2021 , 60, 11866-11877	5.1	1
197	Catalytic Diastereo- and Enantioselective Vinylogous Mannich Reaction of Alkylidenepyrazolones to Isatin-Derived Ketimines. <i>Organic Letters</i> , 2021 , 23, 7391-7395	6.2	0
196	Enantioselective Addition of Sodium Bisulfite to Nitroalkenes. A Convenient Approach to Chiral Sulfonic Acids. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 5284	3.2	0
195	Epitaxial Thin-Film vs Single Crystal Growth of 2D Hofmann-Type Iron(II) Materials: A Comparative Assessment of their Bi-Stable Spin Crossover Properties. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29461-29472	9.5	7
194	Symmetry breakings in a metal organic framework with a confined guest. <i>Physical Review B</i> , 2020 , 101,	3.3	4
193	Extrinsic vs. intrinsic luminescence and their interplay with spin crossover in 3D Hofmann-type coordination polymers. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 1623-1633	7.1	14
192	Organocatalytic Enantioselective 1,6-aza-Michael Addition of Isoxazolin-5-ones to p-Quinone Methides. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 627-630	3.2	19
191	Single-Crystal X-Ray Diffraction Study of Pressure and Temperature-Induced Spin Trapping in a Bistable Iron(II) Hofmann Framework. <i>Angewandte Chemie</i> , 2020 , 132, 3130-3135	3.6	1
190	Single-Crystal X-Ray Diffraction Study of Pressure and Temperature-Induced Spin Trapping in a Bistable Iron(II) Hofmann Framework. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3106-3111	16.4	7
189	Enantioselective zinc-mediated conjugate alkynylation of saccharin-derived 1-aza-butadienes. <i>Chemical Communications</i> , 2020 , 56, 9461-9464	5.8	
188	Thermochromic Meltable Materials with Reverse Spin Transition Controlled by Chemical Design. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 18632-18638	16.4	13
187	Organocatalytic Enantioselective Aminoalkylation of 5-Aminopyrazole Derivatives with Cyclic Imines. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 7450-7454	3.2	6
186	Reversible guest-induced gate-opening with multiplex spin crossover responses in two-dimensional Hofmann clathrates. <i>Chemical Science</i> , 2020 , 11, 11224-11234	9.4	13
185	Thermochromic Meltable Materials with Reverse Spin Transition Controlled by Chemical Design. <i>Angewandte Chemie</i> , 2020 , 132, 18791-18797	3.6	4
184	Guest induced reversible on-off switching of elastic frustration in a 3D spin crossover coordination polymer with room temperature hysteretic behaviour. <i>Chemical Science</i> , 2020 , 12, 1317-1326	9.4	13

183	Effect of Guest Molecules on Spin Transition Temperature in Loaded Hofmann-Like Clathrates with Improved Porosity. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 764-769	2.3	7
182	Organocatalytic enantioselective functionalization of indoles in the carbocyclic ring with cyclic imines. <i>New Journal of Chemistry</i> , 2019 , 43, 130-134	3.6	17
181	An unprecedented hetero-bimetallic three-dimensional spin crossover coordination polymer based on the tetrahedral [Hg(SeCN)] building block. <i>Chemical Communications</i> , 2019 , 55, 4607-4610	5.8	10
180	Discrimination between two memory channels by molecular alloying in a doubly bistable spin crossover material. <i>Chemical Science</i> , 2019 , 10, 3807-3816	9.4	26
179	Regio-, Diastereo-, and Enantioselective Organocatalytic Addition of 4-Substituted Pyrazolones to Isatin-Derived Nitroalkenes. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 3040-3044	3.2	6
178	Influence of Host-Guest and Host-Host Interactions on the Spin-Crossover 3D Hofmann-type Clathrates {Fe}[M(CN)]MeOH (M = Ag, Au). <i>Inorganic Chemistry</i> , 2019 , 58, 10038-10046	5.1	14
177	A Combination of Visible-Light Organophotoredox Catalysis and Asymmetric Organocatalysis for the Enantioselective Mannich Reaction of Dihydroquinoxalinones with Ketones. <i>Organic Letters</i> , 2019 , 21, 6011-6015	6.2	19
176	Regio- and Stereoselective Synthesis of 3-Pyrazolylidene-2-oxindole Compounds by Nucleophilic Vinylic Substitution of (E)-3-(Nitromethylene)indolin-2-one. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 1902-1907	5.6	6
175	A thermal- and light-induced switchable one-dimensional rare loop-like spin crossover coordination polymer. <i>Dalton Transactions</i> , 2019 , 48, 17014-17021	4.3	7
174	Organocatalytic enantioselective aminoalkylation of pyrazol-3-ones with aldimines generated in situ from imido sulfones. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 9859-9863	3.9	8
173	Enantioselective Synthesis of 5-Trifluoromethyl-2-oxazolines under Dual Silver/Organocatalysis. <i>Journal of Organic Chemistry</i> , 2019 , 84, 314-325	4.2	16
172	Enantioselective synthesis of chiral oxazolines from unactivated ketones and isocynoacetate esters by synergistic silver/organocatalysis. <i>Chemical Communications</i> , 2018 , 54, 2862-2865	5.8	12
171	{[Hg(SCN)](L)}: An Efficient Secondary Building Unit for the Synthesis of 2D Iron(II) Spin-Crossover Coordination Polymers. <i>Inorganic Chemistry</i> , 2018 , 57, 1562-1571	5.1	14
170	Lanthanum-pyBOX complexes as catalysts for the enantioselective conjugate addition of malonate esters to α -unsaturated ketimino esters. <i>Journal of Coordination Chemistry</i> , 2018 , 71, 864-873	1.6	3
169	Cyanido-Bridged FeII/MI Dimetallic Hofmann-Like Spin-Crossover Coordination Polymers Based on 2,6-Naphthyridine. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 289-296	2.3	19
168	Organocatalytic Enantioselective Strecker Reaction with Seven-Membered Cyclic Imines. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 3662-3666	5.6	8
167	Organocatalytic Enantioselective Functionalization of Hydroxyquinolines through an Aza-Friedel-Crafts Alkylation with Isatin-derived Ketimines. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 859-864	5.6	10
166	Thermo- and photo-modulation of exciplex fluorescence in a 3D spin crossover Hofmann-type coordination polymer. <i>Chemical Science</i> , 2018 , 9, 8446-8452	9.4	35

165	Switchable Spin-Crossover Hofmann-Type 3D Coordination Polymers Based on Tri- and Tetratopic Ligands. <i>Inorganic Chemistry</i> , 2018 , 57, 12195-12205	5.1	16
164	Enantioselective Synthesis of 2-Amino-1,1-diaryllkanes Bearing a Carbocyclic Ring Substituted Indole through Asymmetric Catalytic Reaction of Hydroxyindoles with Nitroalkenes. <i>Journal of Organic Chemistry</i> , 2018 , 83, 6397-6407	4.2	16
163	Competing Phases Involving Spin-State and Ligand Structural Orderings in a Multistable Two-Dimensional Spin Crossover Coordination Polymer. <i>Crystal Growth and Design</i> , 2017 , 17, 2736-2745	3.5	32
162	Catalytic enantioselective aza-Reformatsky reaction with seven-membered cyclic imines dibenzo[b,f][1,4]oxazepines. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 1624-1628	5.2	17
161	Guest Induced Strong Cooperative One- and Two-Step Spin Transitions in Highly Porous Iron(II) Hofmann-Type Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2017 , 56, 7038-7047	5.1	40
160	Hydroxy-Directed Enantioselective Hydroxyalkylation in the Carbocyclic Ring of Indoles. <i>Organic Letters</i> , 2017 , 19, 1546-1549	6.2	40
159	Copper-catalysed enantioselective Michael addition of malonic esters to trifluoromethyl-unsaturated imines. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 3849-3853	3.9	9
158	Chiral and Racemic Spin Crossover Polymorphs in a Family of Mononuclear Iron(II) Compounds. <i>Inorganic Chemistry</i> , 2017 , 56, 13535-13546	5.1	21
157	Catalytic Asymmetric Formal [3+2] Cycloaddition of 2-Isocyanatomalonate Esters and Unsaturated Imines: Synthesis of Highly Substituted Chiral Lactams. <i>Chemistry - A European Journal</i> , 2017 , 23, 14707-14711	4.8	19
156	From six-coordinate to eight-coordinate iron(II) complexes with pyridyltriazolo-pyridine frameworks. <i>CrystEngComm</i> , 2016 , 18, 7950-7954	3.3	8
155	Electronic Structure Modulation in an Exceptionally Stable Non-Heme Nitrosyl Iron(II) Spin-Crossover Complex. <i>Chemistry - A European Journal</i> , 2016 , 22, 12741-51	4.8	13
154	Catalytic Enantioselective Aza-Reformatsky Reaction with Cyclic Imines. <i>Chemistry - A European Journal</i> , 2016 , 22, 17590-17594	4.8	24
153	Organocatalytic Enantioselective Synthesis of β -Hydroxyketones through a Friedel-Crafts Reaction of Naphthols and Activated Phenols with Aryl- and Alkylglyoxal Hydrates. <i>Organic Letters</i> , 2016 , 18, 5652-5655	6.2	18
152	Organocatalytic Enantioselective Synthesis of Pyrazoles Bearing a Quaternary Stereocenter. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 1532-6	4.5	30
151	Organocatalytic Enantioselective Friedel-Crafts Aminoalkylation of Indoles in the Carbocyclic Ring. <i>ACS Catalysis</i> , 2016 , 6, 2689-2693	13.1	61
150	E,Z-Stereodivergent synthesis of N-tosyl β -dehydroamino esters via a Mukaiyama-Michael addition. <i>RSC Advances</i> , 2016 , 6, 15655-15659	3.7	7
149	Symmetry Breaking in Iron(II) Spin-Crossover Molecular Crystals. <i>Magnetochemistry</i> , 2016 , 2, 16	3.1	63
148	First Step Towards a Devil's Staircase in Spin-Crossover Materials. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8675-9	16.4	80

147	Organocatalytic Enantioselective Alkylation of Pyrazol-3-ones with Isatin-Derived Ketimines: Stereocontrolled Construction of Vicinal Tetrasubstituted Stereocenters. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 1583-1588	5.6	48
146	Catalytic Enantioselective Conjugate Alkynylation of α -Unsaturated 1,1,1-Trifluoromethyl Ketones with Terminal Alkynes. <i>Chemistry - A European Journal</i> , 2016 , 22, 10057-64	4.8	9
145	Imparting hysteretic behavior to spin transition in neutral mononuclear complexes. <i>RSC Advances</i> , 2016 , 6, 39627-39635	3.7	13
144	Strong Cooperative Spin Crossover in 2D and 3D Fe-M Hofmann-Like Coordination Polymers Based on 2-Fluoropyrazine. <i>Inorganic Chemistry</i> , 2016 , 55, 10654-10665	5.1	35
143	Organocatalytic enantioselective aza-Friedel-Crafts reaction of 2-naphthols with benzoxathiazine 2,2-dioxides. <i>RSC Advances</i> , 2015 , 5, 60101-60105	3.7	29
142	Homoleptic Iron(II) Complexes with the Ionogenic Ligand 6,6'-Bis(1H-tetrazol-5-yl)-2,2'-bipyridine: Spin Crossover Behavior in a Singular 2D Spin Crossover Coordination Polymer. <i>Inorganic Chemistry</i> , 2015 , 54, 7424-32	5.1	30
141	Highly enantioselective copper(I)-catalyzed conjugate addition of 1,3-diyne to α -unsaturated trifluoromethyl ketones. <i>Chemical Communications</i> , 2015 , 51, 8958-61	5.8	16
140	Spin crossover behavior in a series of iron(III) alkoxide complexes. <i>Inorganic Chemistry</i> , 2015 , 54, 3413-215	5.1	16
139	Spin crossover in iron(II) complexes with ferrocene-bearing triazole-pyridine ligands. <i>Dalton Transactions</i> , 2015 , 44, 18911-8	4.3	14
138	Crystal structure of the coordination polymer [Fe(III) 2{Pt(II)(CN) ₄ } ₃]. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, i1-i2	0.7	0
137	Two-step spin crossover behaviour in the chiral one-dimensional coordination polymer [Fe(HAT)(NCS) ₂]. <i>RSC Advances</i> , 2015 , 5, 69782-69789	3.7	15
136	Meltable Spin Transition Molecular Materials with Tunable Tc and Hysteresis Loop Width. <i>Angewandte Chemie</i> , 2015 , 127, 14990-14994	3.6	8
135	Nanoporosity, Inclusion Chemistry, and Spin Crossover in Orthogonally Interlocked Two-Dimensional Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2015 , 21, 12112-20	4.8	18
134	Aza-Henry Reaction of Isatin Ketimines with Methyl 4-Nitrobutyrate en Route to Spiro[piperidine-3,3'-oxindoles]. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 3857-3862	5.6	22
133	Meltable Spin Transition Molecular Materials with Tunable Tc and Hysteresis Loop Width. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14777-81	16.4	45
132	Organocatalytic Enantioselective Friedel-Crafts Alkylation of 1-Naphthol Derivatives and Activated Phenols with Ethyl Trifluoropyruvate. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 3047-3051	5.6	25
131	Organocatalytic Asymmetric Addition of Naphthols and Electron-Rich Phenols to Isatin-Derived Ketimines: Highly Enantioselective Construction of Tetrasubstituted Stereocenters. <i>Angewandte Chemie</i> , 2015 , 127, 6418-6422	3.6	32
130	Enantioselective alkynylation of benzo[e][1,2,3]-oxathiazine 2,2-dioxides catalysed by (R)-VAPOL-Zn complexes: synthesis of chiral propargylic cyclic sulfamidates. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 7393-6	3.9	17

129	Organocatalytic asymmetric addition of naphthols and electron-rich phenols to isatin-derived ketimines: highly enantioselective construction of tetrasubstituted stereocenters. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6320-4	16.4	107
128	Efficient Synthesis of 5-Chalcogenyl-1,3-oxazin-2-ones by Chalcogen-Mediated Yne-Carbamate Cyclisation: An Experimental and Theoretical Study. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 1020-1027	3.2	11
127	Clathration of Five-Membered Aromatic Rings in the Bimetallic Spin Crossover Metal-Organic Framework [Fe(TPT) _{2/3} {M(CN) ₂ }] _n (M = Ag, Au). <i>Crystal Growth and Design</i> , 2014 , 14, 6311-6319	3.5	23
126	Guest modulation of spin-crossover transition temperature in a porous iron(II) metal-organic framework: experimental and periodic DFT studies. <i>Chemistry - A European Journal</i> , 2014 , 20, 12864-73	4.8	46
125	Two- and one-step cooperative spin transitions in Hofmann-like clathrates with enhanced loading capacity. <i>Chemical Communications</i> , 2014 , 50, 1833-5	5.8	36
124	Control of the spin state by charge and ligand substitution: two-step spin crossover behaviour in a novel neutral iron(II) complex. <i>Dalton Transactions</i> , 2014 , 43, 16387-94	4.3	15
123	Spin crossover star-shaped metallomesogens of iron(II). <i>Inorganic Chemistry</i> , 2014 , 53, 8442-54	5.1	37
122	Enantioselective addition of nitromethane to 2-acylpyridine N-oxides. Expanding the generation of quaternary stereocenters with the Henry reaction. <i>Organic Letters</i> , 2014 , 16, 1204-7	6.2	30
121	Synthesis of densely functionalised 5-halogen-1,3-oxazin-2-ones by halogen-mediated regioselective cyclisation of N-Cbz-protected propargylic amines: a combined experimental and theoretical study. <i>Chemistry - A European Journal</i> , 2013 , 19, 14852-60	4.8	23
120	Structural, magnetic and calorimetric studies of a crystalline phase of the spin crossover compound [Fe(tzpy) ₂ (NCSe) ₂]. <i>CrystEngComm</i> , 2013 , 15, 3455	3.3	11
119	Thermal-, Pressure- and Light-Induced Spin-Crossover Behaviour in the Two-Dimensional Hofmann-Like Coordination Polymer [Fe(3-Clpy) ₂ Pd(CN) ₄]. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 813-818	2.3	31
118	Novel iron(II) microporous spin-crossover coordination polymers with enhanced pore size. <i>Inorganic Chemistry</i> , 2013 , 52, 3-5	5.1	30
117	Enantioselective Friedel-Crafts Alkylation of Indoles with (E)-1-Aryl-4-benzyloxybut-2-en-1-ones Catalyzed by an (R)-3,3'-Br ₂ BINOLate-Hafnium(IV) Complex. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 1902-1907	3.2	7
116	Enantioselective LaIII-pyBOX-Catalyzed Nitro-Michael Addition to (E)-2-Azachalcones. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 1696-1705	3.2	33
115	Enantioselective Synthesis of 4-Substituted Dihydrocoumarins through a Zinc Bis(hydroxyamide)-Catalyzed Conjugate Addition of Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2013 , 355, 1071-1076	5.6	38
114	Polymeric Spin-Crossover Materials 2013 , 121-146		19
113	Unprecedented multi-stable spin crossover molecular material with two thermal memory channels. <i>Chemistry - A European Journal</i> , 2013 , 19, 6591-6	4.8	65
112	[Fe(TPT) _{2/3} {M(I)(CN) ₂ }] _n Solv (M(I) = Ag, Au): new bimetallic porous coordination polymers with spin-crossover properties. <i>Chemistry - A European Journal</i> , 2013 , 19, 6851-61	4.8	27

111	Reversible chemisorption of sulfur dioxide in a spin crossover porous coordination polymer. <i>Inorganic Chemistry</i> , 2013 , 52, 12777-83	5.1	61
110	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
109	Fast detection of water and organic molecules by a change of color in an iron(II) microporous spin-crossover coordination polymer. <i>Inorganic Chemistry</i> , 2012 , 51, 13078-80	5.1	21
108	Enhanced bistability by guest inclusion in Fe(II) spin crossover porous coordination polymers. <i>Chemical Communications</i> , 2012 , 48, 4686-8	5.8	95
107	Heterobimetallic MOFs containing tetrathiocyanometallate building blocks: pressure-induced spin crossover in the porous {Fe(II)(pz)[Pd(II)(SCN) ₄] 3D coordination polymer. <i>Inorganic Chemistry</i> , 2012 , 51, 11126-32	5.1	17
106	A switchable molecular rotator: neutron spectroscopy study on a polymeric spin-crossover compound. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5083-9	16.4	103
105	NMR spectroscopic characterization and DFT calculations of zirconium(IV)-3,3'-Br ₂ -BINOLate and related complexes used in an enantioselective Friedel-Crafts alkylation of indoles with α -unsaturated ketones. <i>Journal of Organic Chemistry</i> , 2012 , 77, 10545-56	4.2	11
104	Sequestering aromatic molecules with a spin-crossover Fe(II) microporous coordination polymer. <i>Chemistry - A European Journal</i> , 2012 , 18, 8013-8	4.8	66
103	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
102	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
101	Synthesis, crystal structures, and solid state quadratic nonlinear optical properties of a series of stilbazolium cations combined with gold cyanide counter-ion. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15940		19
100	Cooperative spin transition in the two-dimensional coordination polymer [Fe(4,4'-bipyridine) ₂ (NCX) ₂] _n ·4CHCl ₃ (X = S, Se). <i>Inorganic Chemistry</i> , 2011 , 50, 10633-42	5.1	71
99	Precise control and consecutive modulation of spin transition temperature using chemical migration in porous coordination polymers. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8600-5	16.4	167
98	Thermo-, piezo-, photo- and chemo-switchable spin crossover iron(II)-metallocyanate based coordination polymers. <i>Coordination Chemistry Reviews</i> , 2011 , 255, 2068-2093	23.2	340
97	Enantioselective synthesis of tertiary alcohols through a zirconium-catalyzed Friedel-Crafts alkylation of pyrroles with β -ketoesters. <i>Journal of Organic Chemistry</i> , 2011 , 76, 6286-94	4.2	31
96	Highly enantioselective nitron cycloadditions with 2-alkenoyl pyridine N-oxides catalyzed by Cu(II)-BOX complexes. <i>Organic Letters</i> , 2011 , 13, 402-5	6.2	45
95	Topological control in the hydrogen bond-directed self-assembly of ortho-, meta-, and para-phenylene-substituted dioxamic acid diethyl esters. <i>CrystEngComm</i> , 2010 , 12, 2473	3.3	16
94	[FeIII(bztpen)(OCH ₃)](PF ₆) ₂ : Stable MethoxideIron(III) Complex Exhibiting Spin Crossover Behavior in the Solid State. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 5563-5567	2.3	17

93	Synthesis of functionalized indoles with a trifluoromethyl-substituted stereogenic tertiary carbon atom through an enantioselective Friedel-Crafts alkylation with beta-trifluoromethyl-alpha,beta-enones. <i>Chemistry - A European Journal</i> , 2010 , 16, 9117-22	4.8	61
92	Highly Enantio- and Diastereoselective Inverse Electron Demand Hetero-Diels-Alder Reaction using 2-Alkenoylpyridine N-Oxides as Oxo-Heterodienes. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 107-111	5.6	37
91	Synthesis of Functionalized Indoles with an Stereogenic Ketone Moiety Through an Enantioselective Friedel-Crafts Alkylation with (E)-1,4-Diaryl-2-butene-1,4-diones. <i>Advanced Synthesis and Catalysis</i> , 2009 , 351, 2433-2440	5.6	27
90	Synthesis and characterisation of a new series of bistable iron(II) spin-crossover 2D metal-organic frameworks. <i>Chemistry - A European Journal</i> , 2009 , 15, 10960-71	4.8	99
89	Spin-Crossover 2D Metal-Organic Frameworks with a Redox-Active Ligand: [Fe(ttf-adpy)2M(CN)4]·nH2O (ttf-adpy = 4-Tetrathiafulvalenylcarboxamidopyridine; MII = Ni, Pd, Pt). <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 303-310	2.3	27
88	Bidirectional chemo-switching of spin state in a microporous framework. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4767-71	16.4	430
87	Oxidative addition of halogens on open metal sites in a microporous spin-crossover coordination polymer. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8944-7	16.4	151
86	A wide family of pyridoxal thiosemicarbazone ferric complexes: Syntheses, structures and magnetic properties. <i>Inorganica Chimica Acta</i> , 2009 , 362, 56-64	2.7	28
85	Spin Crossover and Paramagnetic Behaviour in Two-Dimensional Iron(II) Coordination Polymers with Stilbazole PushPull Ligands. <i>Australian Journal of Chemistry</i> , 2009 , 62, 1155	1.2	23
84	Polynuclear spin crossover complexes: synthesis, structure, and magnetic behavior of [Fe4(mu-CN)4(phen)4(L)2]4+ squares. <i>Inorganic Chemistry</i> , 2009 , 48, 3710-9	5.1	55
83	Spin-crossover behavior in cyanide-bridged iron(II)-copper(I) bimetallic 1-3D metal-organic frameworks. <i>Inorganic Chemistry</i> , 2009 , 48, 3371-81	5.1	45
82	Polymorphism and Reverse Spin transition in the spin crossover system [Co(4-terpyridone)2](CF3SO3)2·nH2O. <i>New Journal of Chemistry</i> , 2009 , 33, 1262	3.6	41
81	Catalytic enantioselective addition of terminal alkynes to aromatic aldehydes using zinc-hydroxyamide complexes. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 4301-8	3.9	30
80	Structure and magnetism of dinuclear copper(II) metallacyclophanes with oligoacenebis(oxamate) bridging ligands: theoretical predictions on wirelike magnetic coupling. <i>Journal of the American Chemical Society</i> , 2008 , 130, 576-85	16.4	60
79	Copper(II)-bis(oxazoline) catalyzed asymmetric Diels-Alder reaction with alpha'-arylsulfonyl enones as dienophiles. <i>Journal of Organic Chemistry</i> , 2008 , 73, 6389-92	4.2	15
78	Thermal, pressure and light induced spin transition in the two-dimensional coordination polymer [Fe(pmd)2[Cu(CN)2]2]. <i>Dalton Transactions</i> , 2008 , 642-9	4.3	22
77	Thermal and Light-Induced Spin Crossover Phenomena in New 3D Hofmann-Like Microporous Metalorganic Frameworks Produced As Bulk Materials and Nanopatterned Thin Films. <i>Chemistry of Materials</i> , 2008 , 20, 6721-6732	9.6	142
76	Spin-crossover behavior in cyanide-bridged iron(II)-gold(I) bimetallic 2D Hofmann-like metal-organic frameworks. <i>Inorganic Chemistry</i> , 2008 , 47, 2552-61	5.1	95

75	A metallacryptand-based manganese(II)-cobalt(II) ferrimagnet with a three-dimensional honeycomb open-framework architecture. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4211-6	16.4	40
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