Gabor Molnar

List of Publications by Year
in descending order

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233	12,665	25034	31849
papers	citations	57	101
		h-index	g-index

245	245	245	5973
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequential Activation of Molecular and Macroscopic Spinâ€State Switching within the Hysteretic Region Following Pulsed Light Excitation. Advanced Materials, 2022, 34, e2105468.	21.0	4
2	Robust linear control of a bending molecular artificial muscle based on spin crossover molecules. Sensors and Actuators A: Physical, 2022, 335, 113359.	4.1	5
3	Design and synthesis of benzothiadiazole-based molecular systems: self-assembly, optical and electronic properties. New Journal of Chemistry, 2022, 46, 4992-5001.	2.8	6
4	Effect of the spin crossover filler concentration on the performance of composite bilayer actuators. Chemical Physics Letters, 2022, 793, 139438.	2.6	10
5	The crystallinity and piezoelectric properties of spray-coated films of P(VDF₇₀-TrFE₃₀): effects of film thickness and spin-crossover nanofillers. Journal of Materials Chemistry C, 2022, 10, 8466-8473.	5.5	3
6	Thermal hysteresis of stress and strain in spin-crossover@polymer composites: towards a rational design of actuator devices. Materials Advances, 2022, 3, 5131-5137.	5.4	5
7	Solvatomorphism, polymorphism and spin crossover in bis[hydrotris(1,2,3-triazol-1-yl)borate]iron(<scp>ii</scp>). New Journal of Chemistry, 2022, 46, 11734-11740.	2.8	3
8	Spin crossover metalâ€“organic frameworks with inserted photoactive guests: on the quest to control the spin state by photoisomerization. Dalton Transactions, 2021, 50, 8877-8888.	3.3	11
9	Photoactuation of micromechanical devices by photochromic molecules. Materials Advances, 2021, 2, 5057-5061.	5.4	2
10	Role of Surface Effects in the Vibrational Density of States and the Vibrational Entropy in Spin Crossover Nanomaterials: A Molecular Dynamics Investigation. Magnetochemistry, 2021, 7, 27.	2.4	4
11	Pressure gradient effect on spin-crossover materials: Experiment vs theory. Journal of Applied Physics, 2021, 129, 064501.	2.5	6
12	Influence of the ultra-slow nucleation and growth dynamics on the room-temperature hysteresis of spin-crossover single crystals. Chemical Physics Letters, 2021, 770, 138442.	2.6	1
13	Smart Sensing of Vital-Signs: Co-Design of Tunable Quantum-Spin Crossover Materials with Secure Photonics and RF Front-End-Module. , 2021, , .		5
14	Investigation of the Effect of Spin Crossover on the Static and Dynamic Properties of MEMS Microcantilevers Coated with Nanocomposite Films of [Fe(Htrz)2(trz)](BF4)@P(VDF-TrFE). Magnetochemistry, 2021, 7, 114.	2.4	8
15	Colossal expansion and fast motion in spin-crossover@polymer actuators. Materials Horizons, 2021, 8, 3055-3062.	12.2	20
16	Thermochromic Meltable Materials with Reverse Spin Transition Controlled by Chemical Design. Angewandte Chemie - International Edition, 2020, 59, 18632-18638.	13.8	28
17	Unprecedented switching endurance affords for high-resolution surface temperature mapping using a spin-crossover film. Nature Communications, 2020, 11, 3611.	12.8	40
18	Anomalous Pressure Effects on the Electrical Conductivity of the Spin Crossover Complex [Fe(pyrazine){Au(CN)2}2]. Magnetochemistry, 2020, 6, 31.	2.4	4

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19	Thermochromic Meltable Materials with Reverse Spin Transition Controlled by Chemical Design. Angewandte Chemie, 2020, 132, 18791-18797.	2.0	4
20	On the Spin-State Dependence of Redox Potentials of Spin Crossover Complexes. Inorganic Chemistry, 2020, 59, 18402-18406.	4.0	6
21	4D printing with spin-crossover polymer composites. Journal of Materials Chemistry C, 2020, 8, 6001-6005.	5.5	31
22	A molecular spin-crossover film allows for wavelength tuning of the resonance of a Fabryâ€“Perot cavity. Journal of Materials Chemistry C, 2020, 8, 8007-8011.	5.5	7
23	Spin crossover polymer composites, polymers and related soft materials. Coordination Chemistry Reviews, 2020, 419, 213396.	18.8	66
24	Mechano-electric coupling in P(VDFâ€“TrFE)/spin crossover composites. Journal of Materials Chemistry C, 2020, 8, 6042-6051.	5.5	21
25	Ligand substitution effects on the charge transport properties of the spin crossover complex [Fe(Htrz)1+yâ^'x (trz)2â^'y (NH2trz) x](BF4)yÂ·nH2O. Journal of Physics Condensed Matter, 2020, 32, 264002.	1.8	1
26	Spin crossover in Fe(triazole)â€“Pt nanoparticle self-assembly structured at the sub-5 nm scale. Nanoscale, 2020, 12, 8180-8187.	5.6	9
27	Resistance switching in large-area vertical junctions of the molecular spin crossover complex [Fe(HB(tz)₃)₂]: ON/OFF ratios and device stability. Journal of Physics Condensed Matter, 2020, 32, 214010.	1.8	12
28	Heat Capacity and Thermal Damping Properties of Spinâ€Crossover Molecules: A New Look at an Old Topic. Advanced Materials, 2020, 32, e2000987.	21.0	28
29	Direct Visualization of Local Spin Transition Behaviors in Thin Molecular Films by Bimodal AFM. Small, 2019, 15, 1903892.	10.0	8
30	Molecular Spin Crossover Materials: Review of the Lattice Dynamical Properties. Annalen Der Physik, 2019, 531, 1900076.	2.4	57
31	Bilayer Thin Films That Combine Luminescent and Spin Crossover Properties for an Efficient and Reversible Fluorescence Switching. Magnetochemistry, 2019, 5, 28.	2.4	8
32	Effects of solvent vapor annealing on the crystallinity and spin crossover properties of thin films of [Fe(HB(tz)3)2]. Comptes Rendus Chimie, 2019, 22, 525-533.	0.5	12
33	Finite Size Effects on the Switching Dynamics of Spinâ€Crossover Thin Films Photoexcited by a Femtosecond Laser Pulse. Advanced Materials, 2019, 31, e1901361.	21.0	42
34	Drastic lattice softening in mixed triazole ligand iron(<scp>ii</scp>) spin crossover nanoparticles. Chemical Communications, 2019, 55, 4769-4772.	4.1	18
35	Phase Stability of Spin-Crossover Nanoparticles Investigated by Synchrotron MÃ¶ssbauer Spectroscopy and Small-Angle Neutron Scattering. Journal of Physical Chemistry Letters, 2019, 10, 1511-1515.	4.6	7
36	Broad-Band Dielectric Spectroscopy Reveals Peak Values of Conductivity and Permittivity Switching upon Spin Crossover. Journal of Physical Chemistry Letters, 2019, 10, 7391-7396.	4.6	11

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37	Room temperature current modulation in large area electronic junctions of spin crossover thin films. Applied Physics Letters, 2018, 112, .	3.3	39
38	Coupling Mechanical and Electrical Properties in Spin Crossover Polymer Composites. Advanced Materials, 2018, 30, 1705275.	21.0	76
39	Scan-rate and vacuum pressure dependence of the nucleation and growth dynamics in a spin-crossover single crystal: the role of latent heat. Physical Chemistry Chemical Physics, 2018, 20, 9139-9145.	2.8	13
40	Control of the Phase Stability in Spinâ€Crossover Coreâ€“Shell Nanoparticles through the Elastic Interface Energy. European Journal of Inorganic Chemistry, 2018, 2018, 435-442.	2.0	22
41	Elasticity of Prussianâ€Blueâ€Analogue Nanoparticles. European Journal of Inorganic Chemistry, 2018, 2018, 443-448.	2.0	12
42	Spin Crossover Nanomaterials: From Fundamental Concepts to Devices. Advanced Materials, 2018, 30, 1703862.	21.0	403
43	In memoriam of Professor John J. McGarvey. Comptes Rendus Chimie, 2018, 21, 1055-1055.	0.5	17
44	Pressure effect investigations on spin-crossover coordination compounds. Comptes Rendus Chimie, 2018, 21, 1095-1120.	0.5	60
45	Spin-Crossover in an Exfoliated 2D Coordination Polymer and Its Implementation in Thermochromic Films. ACS Applied Nano Materials, 2018, 1, 2662-2668.	5.0	22
46	Micromachiningâ€Compatible, Facile Fabrication of Polymer Nanocomposite Spin Crossover Actuators. Advanced Functional Materials, 2018, 28, 1801970.	14.9	42
47	Pressure-induced switching properties of the iron(<scp>iii</scp>) spin-transition complex [Fe^{III}(3-OMeSalEen)₂]PF₆. Physical Chemistry Chemical Physics, 2018, 20, 15951-15959.	2.8	11
48	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.	13.7	60
49	Vacuum deposition of high-quality thin films displaying spin transition near room temperature. Journal of Materials Chemistry C, 2017, 5, 4419-4425.	5.5	55
50	Investigation of surface energies in spin crossover nanomaterials: the role of surface relaxations. Physical Chemistry Chemical Physics, 2017, 19, 12276-12281.	2.8	19
51	Surface transition in spin crossover nanoparticles. Chemical Physics Letters, 2017, 678, 107-111.	2.6	12
52	A Bistable Microelectromechanical System Actuated by Spinâ€Crossover Molecules. Angewandte Chemie, 2017, 129, 8186-8190.	2.0	23
53	A Bistable Microelectromechanical System Actuated by Spinâ€Crossover Molecules. Angewandte Chemie - International Edition, 2017, 56, 8074-8078.	13.8	48
54	Solvatomorphism and structural-spin crossover property relationship in bis[hydrotris(1,2,4-triazol-1-yl)borate]iron(ii). CrystEngComm, 2017, 19, 3271-3280.	2.6	40

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55	Piezoresistive Effect in the [Fe(Htrz)₂(trz)](BF₄) Spin Crossover Complex. Journal of Physical Chemistry Letters, 2017, 8, 3147-3151.	4.6	29
56	Bistable thermo-chromic and magnetic spin crossover microcrystals embedded in nata de coco bacterial cellulose biofilm. Cellulose, 2017, 24, 2205-2213.	4.9	11
57	Unprecedented Size Effect on the Phase Stability of Molecular Thin Films Displaying a Spin Transition. Journal of Physical Chemistry C, 2017, 121, 25617-25621.	3.1	25
58	Spatiotemporal dynamics of the spin transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>[</mml:mo><mml:mi>Fe</mml:mi><mml:msub><mml:m crystals. Physical Review B, 2017, 96, .	3.2	19
59	Finite-size effects on the lattice dynamics in spin crossover nanomaterials. I. Nuclear inelastic scattering investigation. Physical Review B, 2017, 96, .	3.2	19
60	Finite-size effects on the lattice dynamics in spin crossover nanomaterials. II. Molecular dynamics simulations. Physical Review B, 2017, 96, .	3.2	12
61	Nearâ€Infrared Luminescence Switching in a Spinâ€Crossover Polymer Nanocomposite. European Journal of Inorganic Chemistry, 2017, 2017, 3446-3451.	2.0	11
62	Frontispiz: A Bistable Microelectromechanical System Actuated by Spinâ€Crossover Molecules. Angewandte Chemie, 2017, 129, .	2.0	0
63	Hysteresis, nucleation and growth phenomena in spin-crossover solids. Solid State Sciences, 2017, 74, A1-A22.	3.2	37
64	Frontispiece: A Bistable Microelectromechanical System Actuated by Spinâ€Crossover Molecules. Angewandte Chemie - International Edition, 2017, 56, .	13.8	0
65	In Situ AFM Imaging of Microstructural Changes Associated with The Spin Transition in [Fe(Htrz)2(Trz)](Bf4) Nanoparticles. Materials, 2016, 9, 537.	2.9	17
66	CdTe Quantum Dot Fluorescence Modulation by Spin Crossover. Magnetochemistry, 2016, 2, 11.	2.4	18
67	Charge Transport and Electrical Properties of Spin Crossover Materials: Towards Nanoelectronic and Spintronic Devices. Magnetochemistry, 2016, 2, 18.	2.4	166
68	Current Switching Coupled to Molecular Spinâ€States in Largeâ€Area Junctions. Advanced Materials, 2016, 28, 7508-7514.	21.0	93
69	Microelectromechanical systems integrating molecular spin crossover actuators. Applied Physics Letters, 2016, 109, .	3.3	38
70	Spatially Resolved Investigation and Control of the Bistability in Single Crystals of the [Fe(bbpya)(NCS)₂] Spin Crossover Complex. Journal of Physical Chemistry C, 2016, 120, 27608-27617.	3.1	10
71	Raman and nuclear inelastic scattering study of the lattice dynamics of the [Fe(H 2 B(pz) 2) 2 (phen)] spin crossover complex. Chemical Physics Letters, 2016, 653, 131-136.	2.6	18
72	High Spatial Resolution Imaging of Transient Thermal Events Using Materials with Thermal Memory. Small, 2016, 12, 6325-6331.	10.0	23

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73	Nanoscale coordination polymers obtained in ultrasmall liquid droplets on solid surfaces and its comparison to different synthetic volume scales. RSC Advances, 2016, 6, 76666-76672.	3.6	5
74	Elastic coupling between spin-crossover particles and cellulose fibers. Chemical Communications, 2016, 52, 11267-11269.	4.1	24
75	Electronic Structure Modulation in an Exceptionally Stable Nonâ€Heme Nitrosyl Iron(II) Spinâ€Crossover Complex. Chemistry - A European Journal, 2016, 22, 12741-12751.	3.3	15
76	Switchable molecule-based materials for micro- and nanoscale actuating applications: Achievements and prospects. Coordination Chemistry Reviews, 2016, 308, 395-408.	18.8	206
77	Synthesis of Nanoscale Coordination Polymers in Femtoliter Reactors on Surfaces. ACS Nano, 2016, 10, 3206-3213.	14.6	25
78	Unidirectional electric field-induced spin-state switching in spin crossover based microelectronic devices. Chemical Physics Letters, 2016, 644, 138-141.	2.6	58
79	Joule heated metallic microwire devices for sub-microsecond T-jump experiments. Microelectronics Journal, 2015, 46, 1167-1174.	2.0	4
80	Spinâ€Crossover Nanoâ€and Micrometric Rodâ€Shaped Particles Synthesized in Homogeneous Acid Media. European Journal of Inorganic Chemistry, 2015, 2015, 3336-3342.	2.0	13
81	Fe(Me₂-bpy)₂(NCSe)₂spin-crossover micro- and nanoparticles showing spin-state switching above 250 K. New Journal of Chemistry, 2015, 39, 1603-1610.	2.8	11
82	Celluloseâ€“spin crossover particle composite papers with reverse printing performance: a proof of concept. Journal of Materials Chemistry C, 2015, 3, 7897-7905.	5.5	34
83	Investigation of nucleation and growth phenomena during the thermal and light induced spin transition in the [Fe(1-bpp)₂][BF₄]₂ complex. Pure and Applied Chemistry, 2015, 87, 261-270.	1.9	10
84	Lattice dynamics in spin-crossover nanoparticles through nuclear inelastic scattering. Physical Review B, 2015, 91, .	3.2	45
85	Impact of single crystal properties on nucleation and growth mechanisms of a spin transition. Polyhedron, 2015, 87, 411-416.	2.2	6
86	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.	2.8	33
87	Spin-crossover metalâ€“organic frameworks: promising materials for designing gas sensors. Journal of Materials Chemistry C, 2015, 3, 1277-1285.	5.5	102
88	Homoleptic Iron(II) Complexes with the Ionogenic Ligand 6,6â€²-Bis(1H-tetrazol-5-yl)-2,2â€²-bipyridine: Spin Crossover Behavior in a Singular 2D Spin Crossover Coordination Polymer. Inorganic Chemistry, 2015, 54, 7424-7432.	4.0	34
89	Electronic communication between fluorescent pyrene excimers and spin crossover complexes in nanocomposite particles. Journal of Materials Chemistry C, 2015, 3, 5026-5032.	5.5	63
90	Matrix-free synthesis of spin crossover micro-rods showing a large hysteresis loop centered at room temperature. Chemical Communications, 2015, 51, 9346-9349.	4.1	11

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91	Metal Substitution Effects on the Charge Transport and Spin Crossover Properties of [Fe_{1â€“x}Zn_x(Htrz)₂(trz)](BF₄) (trz =) Tj ETQq1 1 0.784314 rgBT /Ov	3.0	24
92	On the stability of spin crossover materials: From bulk samples to electronic devices. Polyhedron, 2015, 102, 434-440.	2.2	33
93	Enhanced luminescence stability with a Tbâ€“spin crossover nanocomposite for spin state monitoring. Chemical Communications, 2015, 51, 15098-15101.	4.1	42
94	Nanocrystals of Fe(phen)₂(NCS)₂ and the size-dependent spin-crossover characteristics. Dalton Transactions, 2015, 44, 17302-17311.	3.3	26
95	Effect of ligand substitution in [Fe(H-trz)2(trz)]BF4 spin crossover nanoparticles. French-Ukrainian Journal of Chemistry, 2015, 3, 66-72.	0.4	10
96	Hybrid spin-crossover nanostructures. Beilstein Journal of Nanotechnology, 2014, 5, 2230-2239.	2.8	53
97	Rational design of gold micro- and nanowires for high spatial and temporal resolution thermal investigations. , 2014, , .		0
98	Cellulose fiber nanocomposites displaying spin-crossover properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 456, 35-40.	4.7	20
99	High-temperature photo-induced switching and pressure-induced transition in a cooperative molecular spin-crossover material. Dalton Transactions, 2014, 43, 729-737.	3.3	43
100	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.	2.4	38
101	Finite size effects in molecular spin crossover materials. New Journal of Chemistry, 2014, 38, 1834.	2.8	59
102	Non-extensivity of thermodynamics at the nanoscale in molecular spin crossover materials: a balance between surface and volume. Physical Chemistry Chemical Physics, 2014, 16, 7358.	2.8	40
103	The photo-thermal plasmonic effect in spin crossover@silicaâ€“gold nanocomposites. Chemical Communications, 2014, 50, 13015-13018.	4.1	41
104	Emerging properties and applications of spin crossover nanomaterials. Journal of Materials Chemistry C, 2014, 2, 1360-1366.	5.5	151
105	Spin crossover composite materials for electrothermomechanical actuators. Journal of Materials Chemistry C, 2014, 2, 2949-2955.	5.5	82
106	Role of surface vibrational properties on cooperative phenomena in spin-crossover nanomaterials. Physical Review B, 2014, 90, .	3.2	18
107	Reâ€Appearance of Cooperativity in Ultraâ€Small Spinâ€Crossover [Fe(pz){Ni(CN)₄}] Nanoparticles. Angewandte Chemie - International Edition, 2014, 53, 10894-10898.	13.8	76
108	AFM Imaging of Molecular Spinâ€State Changes through Quantitative Thermomechanical Measurements. Advanced Materials, 2014, 26, 2889-2893.	21.0	27

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109	Tuning the spin crossover in nano-objects: From hollow to coreâ€“shell particles. Chemical Physics Letters, 2014, 607, 10-14.	2.6	29
110	Spin crossover polysaccharide nanocomposites. New Journal of Chemistry, 2013, 37, 3420.	2.8	31
111	Coupled magnetic interactions and the Ising-like model for spin crossover in binuclear compounds. European Physical Journal B, 2013, 86, 1.	1.5	7
112	Elastic Ising-like model for the nucleation and domain formation in spin crossover molecular solids. European Physical Journal: Special Topics, 2013, 222, 1137-1159.	2.6	21
113	Atomic force microscopy and near-field optical imaging of a spin transition. Nanoscale, 2013, 5, 7762.	5.6	12
114	Photonic gratings of the metalâ€“organic framework {Fe(bpac)[Pt(CN)4]} with synergetic spin transition and hostâ€“guest properties. Dalton Transactions, 2013, 42, 16021.	3.3	20
115	Molecular actuators driven by cooperative spin-state switching. Nature Communications, 2013, 4, 2607.	12.8	221
116	Enhanced Cooperative Interactions at the Nanoscale in Spin-Crossover Materials with a First-Order Phase Transition. Physical Review Letters, 2013, 110, 235701.	7.8	109
117	Nanoâ€electromanipulation of Spin Crossover Nanorods: Towards Switchable Nanoelectronic Devices. Advanced Materials, 2013, 25, 1745-1749.	21.0	132
118	Spectroscopic, structural and magnetic investigations of iron(II) complexes based on 1-isopropyl- and 1-isobutyl-substituted tetrazole ligands. Inorganica Chimica Acta, 2013, 396, 92-100.	2.4	11
119	The Effect of an Active Guest on the Spin Crossover Phenomenon. Angewandte Chemie - International Edition, 2013, 52, 1198-1202.	13.8	119
120	Room Temperature Magnetic Detection of Spin Switching in Nanosized Spinâ€Crossover Materials. Angewandte Chemie - International Edition, 2013, 52, 1185-1188.	13.8	37
121	SERS-active substrates for investigating ultrathin spin-crossover films. Microelectronic Engineering, 2013, 111, 365-368.	2.4	10
122	Synergistic switching of plasmonic resonances and molecular spin states. Nanoscale, 2013, 5, 5288.	5.6	34
123	Spin Crossover at the Nanometre Scale. European Journal of Inorganic Chemistry, 2013, 2013, 653-661.	2.0	151
124	[Fe(TPT)_{2/3}{M^I(CN)₂}₂]â‹…nSolv (M^I=Ag, Au): New Bimetallic Porous Coordination Polymers with Spinâ€Crossover Properties. Chemistry - A European Journal, 2013, 19, 6851-6861.	3.3	29
125	Temperatureâ€and Pressureâ€Induced Switching of the Molecular Spin State of an Orthorhombic Iron(III) Spinâ€Crossover Salt. European Journal of Inorganic Chemistry, 2013, 2013, 1001-1008.	2.0	24
126	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.	3.3	36

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127	Spin state dependence of electrical conductivity of spin crossover materials. Chemical Communications, 2012, 48, 4163-4165.	4.1	140
128	Detection of molecular spin-state changes in ultrathin films by photonic methods. Journal of Nanophotonics, 2012, 6, 063517.	1.0	27
129	Bistable photonic nanostructures based on molecular spin crossover complexes. , 2012, , .		6
130	Spectroscopic and Magnetic Properties of the Metastable States in the Coordination Network [{Co(prm)₂}₂{Co(H₂O)₂}{W(CN)₈}₂]Â·4H₂O (prm = pyrimidine). Inorganic Chemistry, 2012, 51, 2852-2859.	4.6	17
131	Soft lithographic patterning of spin crossover complexes. Part 2: stimuli-responsive diffraction grating properties. Journal of Materials Chemistry, 2012, 22, 3752.	6.7	30
132	Triggering a Phase Transition by a Spatially Localized Laser Pulse: Role of Strain. Physical Review Letters, 2012, 109, 135702.	7.8	38
133	High-pressure spin-crossover in a dinuclear Fe(ii) complex. Physical Chemistry Chemical Physics, 2012, 14, 5265.	2.8	73
134	Synthesis of [Fe(hptrz)3](OTs)2 spin crossover nanoparticles in microemulsion. Polyhedron, 2012, 38, 245-250.	2.2	19
135	Laserâ€Induced Artificial Defects (LIADs): Towards the Control of the Spatiotemporal Dynamics in Spin Transition Materials. Advanced Materials, 2012, 24, 2475-2478.	21.0	23
136	Laser-Induced Artificial Defects (LIADs): Towards the Control of the Spatiotemporal Dynamics in Spin Transition Materials (Adv. Mater. 18/2012). Advanced Materials, 2012, 24, 2474-2474.	21.0	0
137	Antagonism between Extreme Negative Linear Compression and Spin Crossover in [Fe(dpp)₂(NCS)₂]â‹…py. Angewandte Chemie - International Edition, 2012, 51, 3910-3914.	13.8	105
138	Synthesis of Spinâ€Crossover Nanoâ€and Microâ€objects in Homogeneous Media. Chemistry - A European Journal, 2012, 18, 9946-9954.	3.3	63
139	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
140	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.	3.3	107
141	High quality nano-patterned thin films of the coordination compound {Fe(pyrazine)[Pt(CN)4]} deposited layer-by-layer. New Journal of Chemistry, 2011, 35, 2089.	2.8	53
142	Ferro-paraelectric transition and thermal hysteresis loop of dielectric permittivity in charge transfer complex. , 2011, , .		0
143	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
144	Thermal and pressure-induced spin crossover in a novel three-dimensional Hoffman-like clathrate complex. New Journal of Chemistry, 2011, 35, 1205.	2.8	33

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145	Synthesis of spin crossover nano-objects with different morphologies and properties. New Journal of Chemistry, 2011, 35, 2081.	2.8	46
146	Molecular spin crossover phenomenon: recent achievements and prospects. Chemical Society Reviews, 2011, 40, 3313.	38.1	1,163
147	Pressure-induced two-step spin transition with structural symmetry breaking: X-ray diffraction, magnetic, and Raman studies. Physical Review B, 2011, 84, .	3.2	51
148	Surface Plasmons Reveal Spin Crossover in Nanometric Layers. Journal of the American Chemical Society, 2011, 133, 15342-15345.	13.7	49
149	Guest Effect on Nanopatterned Spinâ€Crossover Thin Films. Small, 2011, 7, 3385-3391.	10.0	46
150	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, .	3.3	110
151	Thin Films of Prussian Blue: Sequential Assembly, Patterning and Electron Transport Properties at the Nanometric Scale. Journal of Nanoscience and Nanotechnology, 2010, 10, 5042-5050.	0.9	14
152	Raman spectroscopic and optical imaging of high spin/low spin domains in a spin crossover complex. Chemical Physics Letters, 2010, 499, 94-99.	2.6	46
153	Cooperative spin crossover phenomena in [Fe(NH2trz)3](tosylate)2 nanoparticles. Chemical Communications, 2010, 46, 8011.	4.1	74
154	A novel approach for fluorescent thermometry and thermal imaging purposes using spin crossover nanoparticles. Journal of Materials Chemistry, 2010, 20, 5499.	6.7	154
155	Soft Lithographic Patterning of Spin Crossover Nanoparticles. Langmuir, 2010, 26, 1557-1560.	3.5	63
156	Symmetry breaking and light-induced spin-state trapping in a mononuclear<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mtext>II</mml:mtext></mml:mrow> with the two-step thermal conversion. Physical Review B, 2010, 82, .	3.2	43
157	Temporal decoupling of spin and crystallographic phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Fe</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow> Physical Review B, 2009, 79, .	3.2	17
158	Valence-Tautomeric RbMnFe Prussian Blue Analogues: Composition and Time Stability Investigation. European Journal of Inorganic Chemistry, 2009, 2009, 760-768.	2.0	7
159	Two new Fe(II) spin crossover complexes with tetrazol-1-yl-cycloalkane ligands. Inorganica Chimica Acta, 2009, 362, 3629-3636.	2.4	14
160	One laser shot induced complete phase transition in the spin crossover complex Fe(pyrazine)[Pt(CN)4]. Polyhedron, 2009, 28, 1610-1613.	2.2	20
161	Bidirectional photo-switching of the spin state of iron(II) ions in a triazol based spin crossover complex within the thermal hysteresis loop. Chemical Physics Letters, 2009, 477, 156-159.	2.6	42
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