

Philippe Guionneau

List of Publications by Year in descending order

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194
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9,598
citations

50276

46
h-index

49909

87
g-index

201
all docs

201
docs citations

201
times ranked

5187
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconducting and Semiconducting Magnetic Charge Transfer Salts: (BEDT-TTF) ₄ Fe(C ₂ O ₄) ₃ ·n·C ₆ H ₅ CN (A = H ₂ O, K, NH ₄). Journal of the American Chemical Society, 1995, 117, 12209-12217.	13.7	578
2	Towards Spin Crossover Applications. , 0, , 221-249.		557
3	Structural Aspects of Spin Crossover. Example of the [FeLn(NCS) ₂] Complexes. Topics in Current Chemistry, 0, , 97-128.	4.0	401
4	Systematic Investigation of the Nature of The Coupling between a Ln(III) Ion (Ln = Ce(III) to Dy(III)) and Its Aminoxyl Radical Ligands. Structural and Magnetic Characteristics of a Series of {Ln(organic)} _n ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Society, 2000, 122, 3413-3421.	13.7	388
5	Structural, Magnetic, and Photomagnetic Studies of a Mononuclear Iron(II) Derivative Exhibiting an Exceptionally Abrupt Spin Transition. Light-Induced Thermal Hysteresis Phenomenon. Inorganic Chemistry, 1998, 37, 4432-4441.	4.0	378
6	Determining the charge distribution in BEDT-TTF salts. Synthetic Metals, 1997, 86, 1973-1974.	3.9	315
7	Wide Thermal Hysteresis for the Mononuclear Spin-Crossover Compound cis-Bis(thiocyanato)bis[N-(2-pyridylmethylene)-4-(phenylethynyl)anilino]iron(II). Journal of the American Chemical Society, 1997, 119, 10861-10862.	13.7	245
8	A Guideline to the Design of Molecular-Based Materials with Long-Lived Photomagnetic Lifetimes. Chemistry - A European Journal, 2005, 11, 4582-4589.	3.3	233
9	Nanoporous Magnets of Chiral and Racemic [Mn(HL)] ₂ ·Mn[Mo(CN) ₇] ₂ with Switchable Ordering Temperatures (T _C = 85 K, T _N = 106 K) Driven by H ₂ O Sorption (L =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62	3.7	229
10	Photo-induced spin-transition: the role of the iron(II) environment distortion. Acta Crystallographica Section B: Structural Science, 2005, 61, 25-28.	1.8	219
11	Crystallography and spin-crossover. A view of breathing materials. Dalton Transactions, 2014, 43, 382-393.	3.3	191
12	Chiral Induction in Quinoline-Derived Oligoamide Foldamers: Assignment of Helical Handedness and Role of Steric Effects. Journal of the American Chemical Society, 2005, 127, 12943-12951.	13.7	174
13	Structural Characterization of a Photoinduced Molecular Switch. Journal of the American Chemical Society, 2002, 124, 194-195.	13.7	168
14	Nanoparticles of [Fe(NH ₂) ₂ ·trz] ₃ ·Br ₂ ·3H ₂ O (NH ₂) ₂ ·trz = 2-amino-1,2,4-triazole) Prepared by the Reverse Micelle Technique: Influence of Particle and Coherent Domain Sizes on Spin-Crossover Properties. Chemistry - A European Journal, 2009, 15, 6122-6130.	3.3	156
15	OctaDist: a tool for calculating distortion parameters in spin crossover and coordination complexes. Dalton Transactions, 2021, 50, 1086-1096.	3.3	144
16	Co(II) molecular complexes as a reference for the spin crossover in Fe(II) analogues. Journal of Materials Chemistry, 2002, 12, 2546-2551.	6.7	134
17	Synthesis, Crystal Structure, EXAFS, and Magnetic Properties of catena-Poly[1/4-tris(4-(2-hydroxyethyl)-1,2,4-triazole-N1,N2)copper(II)] Diperchlorate Trihydrate: Relevance with the Structure of the Iron(II) 1,2,4-Triazole Spin Transition Molecular Materials. Inorganic Chemistry, 1997, 36, 6357-6365.	4.0	129
18	Rational Design of a Photomagnetic Chain: Bridging Single-Molecule Magnets with a Spin-Crossover Complex. Journal of the American Chemical Society, 2013, 135, 14840-14853.	13.7	129

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37	High-pressure spin-crossover in a dinuclear Fe(ii) complex. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5265.	2.8	73
38	Design of an Inversion Center between Two Helical Segments. <i>Journal of the American Chemical Society</i> , 2004, 126, 10049-10052.	13.7	72
39	Structural and photo-induced magnetic properties of $MII_2[WIV(CN)_8] \cdot xH_2O$ (M=Fe and x=8, Cu and x=5). Comparison with $CuII_2[MoIV(CN)_8] \cdot 7.5H_2O$. <i>Inorganica Chimica Acta</i> , 2001, 326, 27-36.	2.4	71
40	A reversible metal-ligand bond break associated to a spin-crossover. <i>Chemical Communications</i> , 2007, , 3723.	4.1	70
41	Photomagnetism of a Δ -thiocyanato Iron(II) Complex with a Tetradentate N_4 -bis(2-pyridylmethyl)-1,2-ethanediamine Ligand. <i>Chemistry - A European Journal</i> , 2012, 18,3 5924-5934.		65
42	The first example of a centro-symmetrical bis(imido)-bridged dinuclear cobalt(iii) complex: synthesis via oxidative dehydrogenation and phenoxazinone synthase activity. <i>Dalton Transactions</i> , 2013, 42, 5068.	3.3	64
43	Thermal trapped iron(II) high spin state investigated by X-ray diffraction. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 17-23.	4.0	59
44	Nature and mechanism of the photoinduced spin transition in $[Fe(Phen)_2(NCS)_2]$. <i>Physical Review B</i> , 2006, 73, .	3.2	59
45	Spin crossover in $[MnIII(pyrol)_3tren]$ probed by high-pressure and low-temperature x-ray diffraction. <i>Physical Review B</i> , 2005, 72, .	3.2	54
46	A critical review of the T(LIESST) temperature in spin crossover materials - What it is and what it is not. , 0, 2, 2.		53
47	Pressure-induced two-step spin transition with structural symmetry breaking: X-ray diffraction, magnetic, and Raman studies. <i>Physical Review B</i> , 2011, 84, .	3.2	51
48	Optical, Magnetic and Structural Properties of the Spin-Crossover Complex $[Fe(btr)_2(NCS)_2] \cdot H_2O$ in the Light-Induced and Thermally Quenched Metastable States. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5693-5706.	2.0	50
49	On the importance of ferromagnetic exchange between transition metals in field-free SMMs: examples of ring-shaped hetero-trimetallic $[(LnNi)_2\{W(CN)_8\}]_2$ compounds. <i>Chemical Communications</i> , 2015, 51, 7875-7878.	4.1	50
50	Syntheses, Structures, and Magnetic Properties of a Novel Δ -mer- $[(bbp)Fe(III)(CN)_3]^{2+}$ Building Block (bbp): T_j ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	4.0	47
51	Inorganic Chemistry, 2012, 51, 12350-12359.		
51	Thermal spin-crossover with a large hysteresis spanning room temperature in a mononuclear complex. <i>Chemical Communications</i> , 2017, 53, 4763-4766.	4.1	47
52	Effect of metal dilution on the light-induced spin transition in $[FexZn1-x(phen)_2(NCS)_2]$ (phen =) T_j ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	45
53	Large negative cubic hyperpolarizability for the spin-crossover compound cis-bis(thiocyanato)bis[N-(2-pyridylmethylene)aminobiph enyl]iron(ii). <i>Chemical Communications</i> , 1997, , 745-746.	4.1	43
54	Complexation of 2,6-bis(3-pyrazolyl)pyridine-Bis(thiocyanato)iron(II) with a Bridging 4,4'-bipyridine: A New Example of a Dinuclear Spin Crossover Complex. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1022-1026.	2.0	43

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55	Multimetastability, phototrapping, and thermal trapping of a metastable commensurate superstructure in a Fe ^{II} complex. <i>Physical Review B</i> , 2012, 86, 114411.	3.2	42
56	On the precision and accuracy of structural analysis of light-induced metastable states. <i>Journal of Applied Crystallography</i> , 2007, 40, 1076-1088.	4.5	41
57	Crystallographic elucidation of purely structural, thermal and light-induced spin transitions in an iron(II) binuclear complex. <i>Dalton Transactions</i> , 2010, 39, 2910.	3.3	41
58	Crystal Structure and Magnetism of (BEDT-TTF) ₂ MCl ₄ (BEDT-TTF = Tj ETQqO O O rgBT /Overlock 10 Tf 50 622 Td (Bis(ethylenedithio)tetrathiafulvalene)). <i>Journal of Applied Crystallography</i> , 2007, 40, 1076-1088.	4.0	39
59	Modulation of the luminescence quantum efficiency for blue luminophore {Al(salophen)} ⁺ by ester-substituents. <i>Dalton Transactions</i> , 2010, 39, 2070.	3.3	39
60	Mn(IV) and Co(III)-complexes of OH-rich ligands possessing O ₂ N, O ₃ N and O ₄ N cores: syntheses, characterization and crystal structures. <i>Polyhedron</i> , 2003, 22, 3515-3521.	2.2	37
61	Rational Control of Spin-Crossover Particle Sizes: From Nano- to Micro-Rods of [Fe(Htrz) ₂ (trz)](BF ₄). <i>Magnetochemistry</i> , 2016, 2, 10.	2.4	37
62	Photomagnetic properties of the [Fe(L222(N ₃ O ₂))(CN) ₂]-H ₂ O complex: a fascinating example of multi-metastability. <i>Journal of Physics: Conference Series</i> , 2005, 21, 67-72.	0.4	36
63	Revisited crystal symmetry of the high-spin form of the iron(II) spin-crossover complex dicyano[2,13-dimethyl-6,9-dioxo-3,12,18-triazabicyclo[12.3.1]octadeca-1(18),2,12,14,16-pentaene]iron(II) monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2004, 60, m587-m589.	0.4	33
64	Example of a single trans-azido-bridged Mn(II) chain: synthesis, structural and magnetic characteristics. <i>Inorganica Chimica Acta</i> , 2000, 300-302, 778-782.	2.4	32
65	High pressure and very low temperature effects on the crystal structures of some iron(II) complexes. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 2001, 4, 161-171.	0.1	32
66	Synthesis, crystal structure and properties of the semiconducting molecular charge-transfer salt (bedt-ttf) ₂ Ge(C ₂ O ₄) ₃ ·PhCN [bedt-ttf=bis(ethylenedithio)tetrathiafulvalene]. <i>Journal of Materials Chemistry</i> , 1999, 9, 2731-2736.	6.7	31
67	Out-of-equilibrium charge density distribution of spin crossover complexes from steady-state photocrystallographic measurements: experimental methodology and results. <i>Zeitschrift für Kristallographie</i> , 2008, 223, .	1.1	31
68	Host-Guest Inclusion Compound from Nitramine Crystals Exposed to Condensed Carbon Dioxide. <i>Chemistry - A European Journal</i> , 2010, 16, 13473-13478.	3.3	31
69	A Linear, Four-Spin Mn(II)-Nitronyl-Nitroxide-Substituted Phosphine Oxide System Exhibiting Both Antiferro- and Ferromagnetic Interactions. <i>Inorganic Chemistry</i> , 2000, 39, 1602-1605.	4.0	30
70	Photoinduced Mo-CN Bond Breakage in Octacyanomolybdate Leading to Spin Triplet Trapping. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3117-3121.	13.8	30
71	Neutron powder diffraction studies of two spin transition Fe ^{II} complexes under pressure. <i>Journal of Applied Crystallography</i> , 2008, 41, 637-640.	4.5	29
72	Tetranuclear [Ni(HL ₃)] ₂ [W(CN) ₈] ₂ Square: A Case of Antiferromagnetic {Ni ^{II} -W ^V } Interactions. <i>Inorganic Chemistry</i> , 2008, 47, 4854-4860.	4.0	26

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73	The role of iron(ii) dilution in the magnetic and photomagnetic properties of the series [FexZn1-x(bpp)2](NCS)2. Dalton Transactions, 2014, 43, 7820.	3.3	26
74	The Spin-Crossover Phenomenon at the Coherent Domains Scale in 1D Polymeric Powders: Evidence for Structural Fatigability. European Journal of Inorganic Chemistry, 2016, 2016, 1961-1966.	2.0	26
75	A Zinc-Sensing Glucose-Based Naphthyl Imino Conjugate as a Detecting Agent for Inorganic and Organic Phosphates, Including DNA. Chemistry - A European Journal, 2011, 17, 8044-8047.	3.3	25
76	First magnets based on thiocyanato-bridges. Chemical Communications, 2012, 48, 10028.	4.1	25
77	Tubular crystals growth for a nanoporous hydrogen-bonded metal-organic framework. CrystEngComm, 2010, 12, 3496.	2.6	24
78	Temperature- and Pressure-Induced Switching of the Molecular Spin State of an Orthorhombic Iron(III) Spin-Crossover Salt. European Journal of Inorganic Chemistry, 2013, 2013, 1001-1008.	2.0	24
79	Experimental and Theoretical Studies of Magnetic Exchange in Silole-Bridged Diradicals. Chemistry - A European Journal, 2006, 12, 5547-5562.	3.3	23
80	First example of photomagnetic effects in ionic pairs [Ni(bipy)3]2[Mo(CN)8]·12H2O. Inorganica Chimica Acta, 2008, 361, 3500-3504.	2.4	23
81	Multiscale Approach of Spin Crossover Materials: A Concept Mixing Russian Dolls and Domino Effects. Chemistry - A European Journal, 2021, 27, 1483-1486.	3.3	22
82	Structural Properties of the Superconducting Salt (BEDT-TTF)3Cl2·(H2O)2 at Low Temperatures. Journal of Solid State Chemistry, 1999, 145, 496-502.	2.9	21
83	Structural phase transition in the spin-crossover complex[Fe(ptz)6](BF4)2studied by x-ray diffraction. Physical Review B, 2010, 82, .	3.2	21
84	[K2Mn5{Mo(CN)7}3]: an open framework magnet with four Tc conversions orchestrated by guests and thermal history. New Journal of Chemistry, 2011, 35, 1211.	2.8	21
85	Crystallinity and Microstructural Versatility in the Spin-Crossover Polymeric Material [Fe(Htrz)2(trz)](BF4). European Journal of Inorganic Chemistry, 2018, 2018, 429-434.	2.0	21
86	Variation of M-NC Interactions in Square-Planar Complexes of Nickel(II), Palladium(II), and Platinum(II) Probed by Luminescence Spectroscopy and X-ray Diffraction at Variable Pressure. Inorganic Chemistry, 2018, 57, 7713-7723.	4.0	21
87	Mapping the cooperativity pathways in spin crossover complexes. Chemical Science, 2021, 12, 1007-1015.	7.4	20
88	Crystal Structure and Physical Properties of {Bis(ethylenedithio)tetrathiafulvalene}2dicyano-Silver and -Gold. Bulletin of the Chemical Society of Japan, 1996, 69, 1233-1240.	3.2	19
89	Mosaicity and structural fatigability of a gradual spin-crossover single crystal. Chemical Physics Letters, 2012, 542, 52-55.	2.6	19
90	Pressure-Induced Spin-Crossover Features at Variable Temperature Revealed by In Situ Synchrotron Powder X-ray Diffraction. Chemistry - A European Journal, 2018, 24, 14495-14499.	3.3	19

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91	Design and Study of Structural Linear and Nonlinear Optical Properties of Chiral [Fe(phen) ₃] ²⁺ Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 14501-14512.	4.0	19
92	Crystal structure of the spin-Peierls compound $\text{-(BEDT-TTF)}_2\text{Ag(CN)}_2$ at high pressure and low temperature. <i>Journal of Materials Chemistry</i> , 1995, 5, 1639-1645.	6.7	18
93	Hydrostatic pressure investigation of the spin crossover compound [Fe(PM-BiA) ₂ (NCS) ₂] polymorph I using reflectance detection. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	18
94	Role of the orientation of -OH groups in the sensitivity and selectivity of the interaction of M^{2+} with ribosyl- and galactosyl-imino-conjugates. <i>Dalton Transactions</i> , 2009, , 8432.	3.3	18
95	Synergy between polymorphism, pressure, spin-crossover and temperature in [Fe(PM-BiA) ₂ (NCS) ₂]: a neutron powder diffraction investigation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13872.	2.8	18
96	Spin crossover complexes [Fe(NH ₂ trz) ₃](X) ₂ ·nH ₂ O investigated by means of polarized Raman scattering and DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18128.	2.8	18
97	Structural movies of the gradual spin-crossover in a molecular complex at various physical scales. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28307-28315.	2.8	18
98	Diversity of interstrand $\pi\text{-}\pi$ stacking motifs in the double helices of pyridinedicarboxamide oligomers. <i>Russian Chemical Bulletin</i> , 2004, 53, 1572-1576.	1.5	17
99	Photo-crystallography: from the structure towards the electron density of metastable states. <i>Journal of Physics: Conference Series</i> , 2005, 21, 73-80.	0.4	17
100	Discrepancy between the Spin Distribution and the Magnetic Ground State for a Triaminoxyl Substituted Triphenylphosphine Oxide Derivative. <i>Chemistry - A European Journal</i> , 2005, 11, 128-139.	3.3	17
101	Effects of Internal and External Pressure on the [Fe(PM-PEA) ₂ (NCS) ₂] Spin-Crossover Compound (with Tj ETQq1 1,0,784314,rgBT/Ove 2,4 17)	1.0	17
102	Grafting of gold onto spin-crossover nanoparticles: SCO@Au. <i>Chemical Communications</i> , 2016, 52, 13213-13216.	4.1	17
103	Neutral bis(ethylenedithio)tetrathiafulvalene at 100 K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 453-454.	0.4	16
104	Structural, vibrational and thermal studies of a new nonlinear optical crystal tetrapropylammonium dihydrogenmonoarsenate bis arsenic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 274-281.	3.9	16
105	Multiscale Experimental and Theoretical Investigations of Spin Crossover Fell Complexes: Examples of [Fe(phen) ₂ (NCS) ₂] and [Fe(PM-BiA) ₂ (NCS) ₂]. <i>International Journal of Molecular Sciences</i> , 2015, 16, 4007-4027.	4.1	16
106	Organic-inorganic hybrid perovskite (C ₆ H ₅ (CH ₂) ₂ NH ₃) ₂ CdCl ₄ : Synthesis, structural and thermal properties. <i>Journal of Structural Chemistry</i> , 2016, 57, 737-743.	1.0	16
107	Synthesis, antimicrobial evaluation, crystal structure, Hirschfeld surface analysis and docking studies of 4-[2-(1-methyl-1H-imidazol-2-ylsulfanyl)-acetylamino]-benzenesulfonic acid. <i>Journal of Molecular Structure</i> , 2022, 1265, 133425.	3.6	16
108	Spray-Drying to Get Spin-Crossover Materials. <i>Materials</i> , 2017, 10, 60.	2.9	15

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109	Synthesis, Structure, and Physical Properties of the Organic-Inorganic Hybrid Salt (BEDT-TTF) ₆ [PMo ₁₂ O ₄₀]. ₄ (4CH ₃ CN.6H ₂ O). <i>Advanced Materials</i> , 1998, 10, 545-550.	21.0	14
110	Bis-(1/4-saccharide-C-2-oxo) dinuclear Cu(II) complexes of 4,6-O-butyldiene/ethylidene-N-(1±-hydroxynaphthylidene/o-hydroxybenzylidene)-1 ² -d-glucopyranosylamine: structural aspects and data correlations. <i>Dalton Transactions</i> , 2003, , 3126-3135.		
111	Structural, magnetic and photomagnetic study of the [Fe(PMâ€“NEA) ₂ (NCS) ₂] spin crossover complex. <i>Comptes Rendus Chimie</i> , 2008, 11, 1155-1165.	0.5	14
112	Kinetics of photo-induced phase transition and relaxation in the spin-crossover complexes [Fe _x Zn _{1-x} (phen) ₂ (NCS) ₂], influence of metal dilution. <i>IOP Conference Series: Materials Science and Engineering</i> , 2009, 5, 012025.	0.6	14
113	One-Dimensional Looped Chain and Two-Dimensional Square Grid Coordination Polymers: Encapsulation of Bis(1,2,4-Triazole)-trans -cyclohexane into the Voids. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 585-591.	2.0	14
114	Does cooperativity influence the lifetime of the photo-induced HS state?. <i>Journal of Physics: Conference Series</i> , 2005, 21, 23-29.	0.4	13
115	Structural origin of the gradual spin transition in a mononuclear iron(II) complex. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 193-197.	4.0	13
116	Unusual Solvent Dependence of a Moleculeâ€“Based Fe ^{II} Macrocylic Spinâ€“Crossover Complex. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4927-4933.	2.0	13
117	Synthesis, structural and Raman spectroscopic in organicâ€“inorganic halide perovskites based on 1 ² -Alanine. <i>Journal of Molecular Structure</i> , 2020, 1204, 127380.	3.6	13
118	Efficient novel eutectic-mixture-mediated synthesis of benzoxazole-linked pyrrolidin-2-one heterocycles. <i>Journal of Molecular Liquids</i> , 2021, 323, 115011.	4.9	13
119	(BEDT-TTF) ₃ [CuBr ₄]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1994, 50, 1894-1896.	0.4	12
120	Spin transition in [Fe(PM-BiA) ₂ (NCS) ₂] studied by the electron paramagnetic resonance of the Mn ²⁺ -ion. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 5481-5494.	1.8	12
121	X-ray diffraction investigation of a spin crossover hysteresis loop. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 326211.	1.8	12
122	One-Step Vs Stepwise Immobilization of 1-D Coordination-Based Rhâ€“Rh Molecular Wires on Gold Surfaces. <i>Langmuir</i> , 2012, 28, 11779-11789.	3.5	12
123	Why do the luminescence maxima of isostructural palladium(II) and platinum(II) complexes shift in opposite directions?. <i>Canadian Journal of Chemistry</i> , 2014, 92, 958-965.	1.1	12
124	Synthesis, antibacterial evaluation, crystal structure and molecular interactions analysis of new 6-Bromo-2â€“chloroâ€“3-butylquinazolin-4(3H)-one. <i>Journal of Molecular Structure</i> , 2021, 1225, 129166.	3.6	12
125	Synthesis and Characterization of a New Organometallic Magnetic Coupler Based on the Silole Ring. <i>Organometallics</i> , 2003, 22, 4833-4835.	2.3	11
126	Combined experimental and density functional theory studies of an organicâ€“inorganic hybrid perovskite. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9431-9436.	2.8	11

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127	Laboratory high-pressure single-crystal x-ray diffraction "recent improvements and examples of studies. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S1151-S1159.	1.8	10
128	Molecular dynamics of spin crossover: The (P,T) phase diagram of [Fe(PM-BIA) ₂ (NCS) ₂]. <i>Chemical Physics</i> , 2013, 420, 25-34.	1.9	10
129	Vibrational spectroscopy, electrical characterization, nonlinear optical properties and DFT calculation of (NEt ₄) ₂ (H ₂ AsO ₄)(H ₃ AsO ₄) ₂ . <i>Journal of Coordination Chemistry</i> , 2017, 70, 3585-3597.	2.2	10
130	Seven-coordinated iron(ii) spin-crossover molecules: some learning from iron substitution in [FeMn _{1-x} (L222N3O2)(CN) ₂ ·H ₂ O solid solutions. <i>Dalton Transactions</i> , 2018, 47, 14741-14750.	3.3	10
131	Synthesis, crystal structure, and vibrational and DFT simulation studies of benzylammonium dihydrogen phosphite. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 123, 150-156.	4.0	10
132	Using polymorphism to master the spin crossover mechanism in [Fe(PM-PeA) ₂ (NCSe) ₂]. <i>CrystEngComm</i> , 2019, 21, 6246-6251.	2.6	10
133	Crystal structure, computational study, optical and vibrational properties of a new luminescent material based on bismuth(III): (C ₁₀ H ₂₈ N ₄)[Bi ₂ Cl ₁₀]. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122485.	2.9	10
134	Synthesis and characterization of 4,6-O-butyridene-N-(2-hydroxybenzylidene)-β-D-glucopyranosylamine: crystal structures of 4,6-O-butyridene-β-D-glucopyranose, 4,6-O-butyridene-β-D-glucopyranosylamine and 4,6-O-butyridene-N-(2-hydroxybenzylidene)-β-D-glucopyranosylamine. <i>Carbohydrate Research</i> , 2002, 337, 1477-1484.	2.3	9
135	Structural characterization and reactivity of Cu(II) complex of p-tert-butyl-calix[4]arene bearing two imine pendants at lower rim. <i>Inorganic Chemistry Communication</i> , 2005, 8, 998-1001.	3.9	9
136	Towards a better understanding of photo-excited spin alignment processes using silole diradicals. <i>New Journal of Chemistry</i> , 2006, 30, 1319-1326.	2.8	9
137	The Zn polymorphic analogues of the [Fe(PM-PEA) ₂ (NCS) ₂] spin-transition compound. <i>Inorganica Chimica Acta</i> , 2008, 361, 3519-3524.	2.4	9
138	Coordination Polymers Formed by the Mono- and Dinuclear Cu(II) Complexes of 1,1'-Methylene/thio-bis(2-naphthoxy) Acetic Acid. <i>Crystal Growth and Design</i> , 2012, 12, 914-926.	3.0	9
139	Mosaicity of Spin-Crossover Crystals. <i>Crystals</i> , 2018, 8, 363.	2.2	9
140	A new organic-inorganic hybrid compound (NH ₃ (CH ₂) ₆ H ₄ CO ₂ H)[SnCl ₆]: Synthesis, crystal structure, vibrational, optical, magnetic properties and theoretical study. <i>Journal of Molecular Structure</i> , 2021, 1234, 130129.	3.6	9
141	A new square pyramidal copper(II) complex [Cu(C ₁₀ H ₂₄ N ₄)Br]Br: Crystal structure, thermal analysis, Hirschfeld surfaces, electrical and semiconducting properties. <i>Journal of Molecular Structure</i> , 2021, 1241, 130630.	3.6	9
142	Temperature and Pressure Dependence of the Crystal Structure of the Magnetic Molecular Conductor: (BEDT-TTF) ₃ CuBr ₄ . <i>Journal De Physique</i> , I, 1996, 6, 1581-1595.	1.2	9
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