David J Harding

List of Publications by Year
in descending order

92	1,867	304743	289244
papers	citations	22 h-index	40 g-index

97	97	97	1944
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Band gap narrowing of TiO2 nanoparticles: A passivated Co-doping approach for enhanced photocatalytic activity. Journal of Physics and Chemistry of Solids, 2022, 162, 110503.	4.0	9
2	Supramolecular Control of Spin Crossover in Iron(III) Complexes: Parallel versus Angled Chains. Crystal Growth and Design, 2022, 22, 1543-1547.	3.0	3
3	A Water-Stable Lanthanide-Based MOF as a Highly Sensitive Sensor for the Selective Detection of Paraquat in Agricultural Products. ACS Sustainable Chemistry and Engineering, 2022, 10, 2761-2771.	6.7	40
4	Derrisrobustones Aâ€“D, isoflavones from the twig extract of Derris robusta (DC.) Benth. and their Î±-glucosidase inhibitory activity. Phytochemistry, 2022, 198, 113168.	2.9	2
5	Bioactive compounds from the fruit extract of Clausena excavata Burm. f. (Rutaceae). South African Journal of Botany, 2022, 151, 538-548.	2.5	1
6	Solvent Effects on the Structural and Magnetic Properties of Fe^{III} Spin-Crossover Complexes. Crystal Growth and Design, 2022, 22, 4895-4905.	3.0	9
7	Water-soluble polyaromatic-based imidazolium for detecting picric acid: Pyrene vs. anthracene. Sensors and Actuators B: Chemical, 2021, 330, 129287.	7.8	29
8	OctaDist: a tool for calculating distortion parameters in spin crossover and coordination complexes. Dalton Transactions, 2021, 50, 1086-1096.	3.3	144
9	Interplay of halogen and hydrogen bonding in a series of heteroleptic iron(iii) complexes. CrystEngComm, 2021, 23, 4069-4076.	2.6	6
10	Synthesis, characterization and anticancer activity of Fe(II) and Fe(III) complexes containing N-(8-quinolyl)salicylaldimine Schiff base ligands. Journal of Biological Inorganic Chemistry, 2021, 26, 327-339.	2.6	19
11	Abyssomicin derivatives from the rhizosphere soil actinomycete Microbispora rhizosphaerae sp. nov. TBRC6028. Phytochemistry, 2021, 185, 112700.	2.9	1
12	Structures, bonding, and electronic properties of metal thiocyanates. Journal of Physics and Chemistry of Solids, 2021, 154, 110085.	4.0	8
13	Nickel(II) salicylaldiminates: Re-visiting a classic. Polyhedron, 2021, 205, 115321.	2.2	2
14	Free standing bimetallic nickel cobalt selenide nanosheets as three-dimensional electrocatalyst for water splitting. Journal of Electroanalytical Chemistry, 2021, 897, 115568.	3.8	19
15	Room temperature conductance switching in a molecular iron(<scp>iii</scp>) spin crossover junction. Chemical Science, 2021, 12, 2381-2388.	7.4	33
16	Preparation and physicochemical characterization of sildenafil cocrystals. Journal of Advanced Pharmaceutical Technology and Research, 2021, 12, 408.	1.0	2
17	Three-Way Switchable Single-Crystal-to-Single-Crystal Solvatomorphic Spin Crossover in a Molecular Cocrystal. Chemistry of Materials, 2020, 32, 10076-10083.	6.7	21
18	Spin Crossover in Iron(III) Quinolylsalicylaldiminates: The Curious Case of [Fe(qsal-F)₂](Anion). Inorganic Chemistry, 2020, 59, 13784-13791.	4.0	25

#	Article	IF	Citations
19	Structural Origin of Magnetic Hysteresis in an Iron(III) Spin-Crossover Material. Crystal Growth and Design, 2020, 20, 7006-7011.	3.0	7
20	Pertosylated pillar[5]arene: self-template assisted synthesis and supramolecular polymer formation. Chemical Communications, 2020, 56, 8739-8742.	4.1	12
21	Elucidating the Coordination of Diethyl Sulfide Molecules in Copper(I) Thiocyanate (CuSCN) Thin Films and Improving Hole Transport by Antisolvent Treatment. Advanced Functional Materials, 2020, 30, 2002355.	14.9	22
22	Thermal and Lightâ€Activated Spin Crossover in Iron(III) qnal Complexes. European Journal of Inorganic Chemistry, 2020, 2020, 1325-1330.	2.0	8
23	Secondary metabolites from cultures of the ant pathogenic fungus Ophiocordyceps irangiensis BCC 2728. Natural Product Research, 2020, 35, 1-6.	1.8	0
24	Hollow molybdenum oxide-graphene oxide spheres as a binder-free electrocatalyst membrane with enhanced hydrogen evolution efficiency. Materials Letters, 2020, 272, 127872.	2.6	11
25	Conformational polymorphism in a cobalt(II) dithiocarbamate complex. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 921-926.	0.5	0
26	Structural versatility and electronic structures of copper(<scp>i</scp>) thiocyanate (CuSCN)â€“ligand complexes. Journal of Materials Chemistry C, 2019, 7, 12907-12917.	5.5	10
27	Abrupt spin crossover in iron(<scp>iii</scp>) complexes with aromatic anions. Dalton Transactions, 2019, 48, 15515-15520.	3.3	17
28	The First Observation of Hidden Hysteresis in an Iron(III) Spinâ€Crossover Complex. Angewandte Chemie, 2019, 131, 11937-11941.	2.0	23
29	The First Observation of Hidden Hysteresis in an Iron(III) Spinâ€Crossover Complex. Angewandte Chemie - International Edition, 2019, 58, 11811-11815.	13.8	57
30	Solvent Effects on the Spin Crossover Properties of Iron(II) Imidazolylimine Complexes. Crystals, 2019, 9, 116.	2.2	13
31	Tin(<scp>ii</scp>) thiocyanate Sn(NCS)₂ â€“ a wide band gap coordination polymer semiconductor with a 2D structure. Journal of Materials Chemistry C, 2019, 7, 3452-3462.	5.5	24
32	Self-assembly of a mixed-valence FeIIâ€“FeIII tetranuclear star. Dalton Transactions, 2018, 47, 7118-7122.	3.3	4
33	Slow relaxation of magnetization in a bis-mer-tridentate octahedral Co(<scp>ii</scp>) complex. Dalton Transactions, 2018, 47, 859-867.	3.3	40
34	An Overview of Spin Crossover Nanoparticles â˜†. , 2018, , 401-426.		3
35	A simple flow injection spectrophotometric procedure for iron(III) determination using Phyllanthus emblica Linn. as a natural reagent. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 726-734.	3.9	31
36	Solvatomorphism and anion effects in predominantly low spin iron(<scp>iii</scp>) Schiff base complexes. Dalton Transactions, 2018, 47, 12449-12458.	3.3	14

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37	Comparison of density functionals for the study of the high spin low spin gap in Fe(III) spin crossover complexes. International Journal of Quantum Chemistry, 2017, 117, e25362.	2.0	24
38	Solvent modified spin crossover in an iron(<scp>iii</scp>) complex: phase changes and an exceptionally wide hysteresis. Chemical Science, 2017, 8, 3949-3959.	7.4	96
39	Spin crossover in mixed ligand iron(<scp>iii</scp>) complexes. New Journal of Chemistry, 2017, 41, 13747-13753.	2.8	8
40	Hysteretic spin crossover driven by anion conformational change. Chemical Communications, 2017, 53, 9801-9804.	4.1	40
41	Substituentâ€Influenced Spin CrossÂover in Fe^{III} QuinolylsalicylaldiminÂates. European Journal of Inorganic Chemistry, 2016, 2016, 432-438.	2.0	11
42	Substituent modulated packing in octahedral Ni(II) complexes. Polyhedron, 2016, 114, 242-248.	2.2	4
43	Spin crossover in iron(III) complexes. Coordination Chemistry Reviews, 2016, 313, 38-61.	18.8	227
44	Spin Crossover in cis Manganese(III) Quinolylsalicylaldiminates. European Journal of Inorganic Chemistry, 2015, 2015, 2534-2542.	2.0	34
45	Solvatomorphism and Electronic Communication in FeIII N,N-Bis(salicylidene)-1,3-propanediamine Dimers. Australian Journal of Chemistry, 2015, 68, 766.	0.9	1
46	Copper hydrotris(3,5-diphenylpyrazolyl)borate dithiocarbamates: mimicking green copper proteins. New Journal of Chemistry, 2015, 39, 1498-1505.	2.8	3
47	Abrupt two-step and symmetry breaking spin crossover in an iron(<scp>iii</scp>) complex: an exceptionally wide [LSâ€“HS] plateau. Dalton Transactions, 2015, 44, 15079-15082.	3.3	61
48	Effects of precursor concentration and reaction time on sonochemically synthesized ZnO nanoparticles. Materials Research, 2014, 17, 405-411.	1.3	72
49	Steric Trapping of the High Spin State in FeII Quinolylsalicylaldimine Complexes. Australian Journal of Chemistry, 2014, 67, 1574.	0.9	7
50	Stepped spin crossover in Fe(<scp>iii</scp>) halogen substituted quinolylsalicylaldimine complexes. Dalton Transactions, 2014, 43, 17509-17518.	3.3	59
51	Fe^{III} Quinolylsalicylaldimine Complexes: A Rare Mixedâ€Spinâ€State Complex and Abrupt Spin Crossover. Chemistry - A European Journal, 2013, 19, 1082-1090.	3.3	43
52	Halogen substituted quinolylsalicylaldimines: Four halogens three structural types. Journal of Molecular Structure, 2013, 1036, 439-446.	3.6	21
53	Anionic Tuning of Spin Crossover in Fe^{III}â€“Quinolylsalicylaldiminate Complexes. European Journal of Inorganic Chemistry, 2013, 2013, 788-795.	2.0	39
54	Abrupt spin crossover in an iron(iii) quinolylsalicylaldimine complex: structural insights and solvent effects. Chemical Communications, 2013, 49, 6340.	4.1	68

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55	Sonochemical Synthesis of Zinc Oxide Nanoparticles Using an Ultrasonic Homogenizer. Ferroelectrics, 2013, 455, 15-20.	0.6	10
56	Synthesis and Characterization of a 2D Cobalt(II) Coordination Polymer Containing the Adiponitrile Ligand. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2134-2137.	1.2	2
57	(8-Aminoquinoline-Î²2N,Nâ€²)bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato-Î²2O,Oâ€²)cobalt(II). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m450-m450.	0.2	1
58	trans-Bis(nitrato-Î²O)bis(1,10-phenanthroline-Î²2N,Nâ€²)manganese(II). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m1026-m1026.	0.2	1
59	Poly[aqua(Î¼2-pyrimidine-2-carboxylato-Î²4O,N:Oâ€²,Nâ€²)(nitrato-Î²O)cadmium]. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m1349-m1350.	0.2	0
60	Structural and magnetic properties of cobalt ferrites synthesized using sol-gel techniques. Materials Science-Poland, 2012, 30, 278-281.	1.0	6
61	Redox coupled-spin crossover in cobalt Î²-diketonate complexes: Structural, electrochemical and computational studies. Polyhedron, 2012, 42, 291-301.	2.2	4
62	Synthesis and electron transfer studies of redox active trans-Î²-diketonate Ni(II) complexes. Transition Metal Chemistry, 2012, 37, 639-644.	1.4	0
63	Iron(ii) thio- and selenocyanate coordination networks containing 3,3â€²-bipyridine. CrystEngComm, 2011, 13, 4909.	2.6	27
64	Redox-active nickel and cobalt tris(pyrazolyl)borate dithiocarbamate complexes: air-stable Co(ii) dithiocarbamates. Dalton Transactions, 2011, 40, 1313.	3.3	15
65	Sonochemical synthesis of ZnO nanotubes and their optical emissions. Journal of the Ceramic Society of Japan, 2011, 119, 535-537.	1.1	7
66	Effect of the Î²-diketonate ligand on the spin states of [Ni(Î²-dkt)2(NH2-quin)] complexes. Polyhedron, 2011, 30, 2740-2745.	2.2	8
67	Nickel tris(pyrazolyl)borate Î²-diketonate complexes. Transition Metal Chemistry, 2011, 36, 249-254.	1.4	1
68	Characterizations of octahedral zinc oxide synthesized by sonochemical method. Journal of Physics and Chemistry of Solids, 2011, 72, 817-823.	4.0	48
69	[4-Bromo-N-(pyridin-2-ylmethylidene)aniline-Î²2N,Nâ€²]bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato-Î²2O,Oâ€²)nickel(II). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m404-m405.	0.2	2
70	(Di-2-pyridylamine-Î²2N,Nâ€²)[hydrotris(3,5-diphenylpyrazol-1-yl-Î²N2)borato]nickel(II) bromide dichloromethane monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m477-m478.	0.2	0
71	Synthesis and Electrochemical Studies of Nickel Î²-Diketonate Complexes Incorporating Asymmetric Diimine Ligands. Australian Journal of Chemistry, 2010, 63, 75.	0.9	12
72	Cationic tris(pyrazolyl)borate bipyrimidine complexes. Transition Metal Chemistry, 2010, 35, 521-526.	1.4	3

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73	[(4-Bromophenyl)(2-pyridylmethylidene)amine-Î²2N,Nâ€²]bis(1,1,1,5,5,5-hexafluoropentane-2,4-dionato-Î²2O,Oâ€²)cobalt(II). Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m1138-m1139.	0.2	5
74	Synthesis and electrochemical studies of octahedral nickel Î²-diketonate complexes. Inorganica Chimica Acta, 2009, 362, 78-82.	2.4	13
75	Microwave synthesis, spectroscopy, thermal analysis and crystal structure of an one-dimensional polymeric {[Cu(4,4â€²-bipy)(H2O)3(SO4)]Â·2H2O}n complex. Inorganica Chimica Acta, 2009, 362, 2435-2439.	2.4	18
76	The d³/d²alkyne complexes [MX₂(Î·-RCî€,CR)Tpâ€²]^z(X =) Tj ETQq0 0 0 rgBT /Overl Transactions, 2009, , 530-543.	3.3	5
77	Synthesis and characterization of redox-active tris(pyrazolyl)borate cobalt complexes. Dalton Transactions, 2009, , 1314.	3.3	19
78	[Tris(3,5-diphenylpyrazolyl)hydroborato]nickel(II) bromide. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, m773-m773.	0.2	4
79	Tris(5-methyl-3-phenyl-1H-pyrazol-1-yl)methane. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o896-o896.	0.2	3
80	Tris(phenanthroline-Î°²N,Nâ€²)cobalt(II) tetrafluoridoborate acetonitrile solvate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m1538-m1538.	0.2	7
81	Microwaveâ€Assisted Synthesis ofN,Nâ€²â€Disubstituted Acetamidine Ligands. Synthetic Communications, 2007, 37, 2655-2661.	2.1	6
82	The d4/d3redox pairs [MX(CO)(Î·-RCî€,CR)Tpâ€²]z(z = 0 and 1): structural consequences of electron transfer and implications for the inverse halide order. Dalton Transactions, 2007, , 62-72.	3.3	17
83	Synthesis and characterization of sterically hindered tris(pyrazolyl)borate Ni complexes. Inorganica Chimica Acta, 2007, 360, 3335-3340.	2.4	27
84	Unexpected oxidation of a diphosphine by bis(1,3-diphenylpropane-1,3-dionato)cobalt(II), [Co(dbm)2]. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, m163-m165.	0.4	1
85	Structural consequences of the one-electron reduction of d4[Mo(CO)2(Î·-PhCî€,CPh)Tpâ€²]+and the electronic structure of the d5radicals [M(CO)L(Î·-MeCî€,CMe)Tpâ€²] {L = CO and P(OCH2)3CEt}. Dalton Transactions, 2006, , 3466-3477.	3.3	12
86	catena-Poly[[bis[Î¼-1-(2-pyridyl)pyridinium-2-thiolate]-Î²2N:S;Î²2S:N-dicopper(I)]-di-Î¼-chloro]. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m1335-m1337.	0.2	1
87	trans-Dichloro(triethylamine-Î°N)(triphenylphosphine-Î°P)palladium(II). Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m1616-m1617.	0.2	2
88	Bâ€”N bond cleavage by cobalt(II) in acetato(3,5-diphenylpyrazole)[tris(3,5-diphenylpyrazolyl)borato]cobalt(II). Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, m301-m303.	0.4	10
89	Stability of Metalâ^'Carbon Bond versus Metal Reduction during Ethylene Polymerization Promoted by a Vanadium Complex:Â The Role of the Aluminum Cocatalyst. Organometallics, 2002, 21, 968-976.	2.3	49
90	The d2/d3 alkyne redox pair [WF2(PhCî€,CPh)Tpâ€²]z (z = +1 or 0): missing links in a â€˜redox family treeâ€™. Chemical Communications, 2002, , 130-131.	4.1	6

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91	Redox routes to arenechromium complexes of two-, three- and four-electron alkynes; structure and bonding in paramagnetic [Cr(CO)L(Î·-RCî€,CR)(Î·-arene)]+. Dalton Transactions RSC, 2002, , 4281-4288.	2.3	10
92	Structure and bonding in the d4/d3 alkyne redox pairs [WX(CO)(MeCî€‡CMe)Tpâ€²]z (X = F, Cl, Br and I; z = 0) Tj ETQq0 0 0 rgBT /Over 1999, , 2403-2404.	4.1	18