Jason R Price

List of Publications by Year
in descending order

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93 papers	2,620 citations	257450 24 h-index	214800 47 g-index
98 all docs	98 docs citations	98 times ranked	3538 citing authors

#	Article	IF	Citations
1	MX2: a high-flux undulator microfocus beamline serving both the chemical and macromolecular crystallography communities at the Australian Synchrotron. Journal of Synchrotron Radiation, 2018, 25, 885-891.	2.4	346
2	MX1: a bending-magnet crystallography beamline serving both chemical and macromolecular crystallography communities at the Australian Synchrotron. Journal of Synchrotron Radiation, 2015, 22, 187-190.	2.4	336
3	Polyamine-based anion receptors: Extraction and structural studies. Coordination Chemistry Reviews, 2006, 250, 2987-3003.	18.8	126
4	Hysteretic Fourâ€Step Spin Crossover within a Threeâ€Dimensional Porous Hofmannâ€like Material. Angewandte Chemie - International Edition, 2016, 55, 15105-15109.	13.8	102
5	Oxidative Arylation of Isochroman. Journal of Organic Chemistry, 2012, 77, 949-955.	3.2	96
6	Macrocyclic ligand design. Structureâ€“function relationships involving the interaction of pyridinyl-containing, mixed oxygenâ€“nitrogen donor macrocycles with cobalt(ii), nickel(ii), copper(ii), zinc(ii), cadmium(ii), silver(i) and lead(ii). Dalton Transactions RSC, 2002, , 2185-2193.	2.3	86
7	Perturbation of Spin Crossover Behavior by Covalent Postâ€Synthetic Modification of a Porous Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2014, 53, 10164-10168.	13.8	81
8	Elastically flexible molecular crystals. Chemical Society Reviews, 2021, 50, 11725-11740.	38.1	81
9	A Click Fluorophore Sensor that Can Distinguish Cu^{II} and Hg^{II} via Selective Anionâ€Induced Demetallation. Chemistry - A European Journal, 2011, 17, 2850-2858.	3.3	65
10	[V₁₆O₃₈(CN)]^{9â€“}: A Soluble Mixed-Valence Redox-Active Building Block with Strong Antiferromagnetic Coupling. Inorganic Chemistry, 2012, 51, 9192-9199.	4.0	55
11	Sticky complexes: carboxylic acid-functionalized N-phenylpyridin-2-ylmethanimine ligands as anchoring domains for copper and ruthenium dye-sensitized solar cells. Dalton Transactions, 2010, 39, 3585.	3.3	50
12	A Novel Approach to Highâ€Performance Aliovalentâ€Substituted Catalystsâ€”2D Bimetallic MOFâ€Derived CeCuO_x Microsheets. Small, 2019, 15, e1903525.	10.0	46
13	Factors Influencing Tetranuclear [2 Ã— 2] Grid vs Dinuclear Side-by-Side Structures for Silver(I) Complexes of Pyridazine-Based Bis-Bidentate Ligands. Inorganic Chemistry, 2008, 47, 10729-10738.	4.0	37
14	Uranium(<scp>vi</scp>) complexes with isonicotinic acid: from monomer to 2D polymer with unique Uâ€“N bonding. RSC Advances, 2015, 5, 33249-33253.	3.6	37
15	Parallel and antiparallel cyclic <scp>d</scp>/<scp>l</scp> peptide nanotubes. Chemical Communications, 2017, 53, 6613-6616.	4.1	36
16	Copper, Nickel, and Zinc Cyclamâ€“Amino Acid and Cyclamâ€“Peptide Complexes May Be Synthesized with â€œClickâ€•Chemistry and Are Noncytotoxic. Inorganic Chemistry, 2011, 50, 12823-12835.	4.0	35
17	Copper(I) Templated Synthesis of a 2,2Â´-Bipyridine Derived 2-Catenane: Synthetic, Modelling, and X-ray Studies. Australian Journal of Chemistry, 2009, 62, 1014.	0.9	34
18	Control of molecular architecture by steric and electronic factors: dinuclear side-by-side vs. tetranuclear [2 Ã— 2] grid-type silver(i) complexes. Dalton Transactions, 2006, , 1491.	3.3	32

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19	Uranium(VI) coordination polymers with pyromellitate ligand: Unique 1D channel structures and diverse fluorescence. Journal of Solid State Chemistry, 2015, 226, 42-49.	2.9	30
20	[Fe(C5Ar5)(CO)2Br] complexes as hydrogenase mimics for the catalytic hydrogen evolution reaction. Applied Catalysis B: Environmental, 2018, 223, 234-241.	20.2	30
21	Selective Gas Adsorption in a Pair of Robust Isostructural MOFs Differing in Framework Charge and Anion Loading. Inorganic Chemistry, 2014, 53, 12076-12083.	4.0	29
22	Pyridazine-bridged copper(i) complexes of bis-bidentate ligands: tetranuclear [2 ? 2] grid versus dinuclear side-by-side architectures as a function of ligand substituents. Dalton Transactions, 2007, , 1807.	3.3	27
23	Dysprosium complexes with mono-/di-carboxylate ligandsâ€"From simple dimers to 2D and 3D frameworks. Journal of Solid State Chemistry, 2014, 219, 1-8.	2.9	27
24	Macrocyclic ligand design. Structureâ€"function relationships involving the interaction of pyridinyl-containing, oxygenâ€"nitrogen donor macrocycles with selected transition and post transition metal ions on progressive N-benzylation of their secondary amines. Dalton Transactions, 2004, , 3715-3726.	3.3	26
25	Hydrogen atoms in bridging positions from quantum crystallographic refinements: influence of hydrogen atom displacement parameters on geometry and electron density. CrystEngComm, 2020, 22, 4778-4789.	2.6	25
26	Perturbation of Spin Crossover Behavior by Covalent Postâ€Synthetic Modification of a Porous Metalâ€"Organic Framework. Angewandte Chemie, 2014, 126, 10328-10332.	2.0	24
27	Predictable Substituent Control of CoIII/II Redox Potential and Spin Crossover in Bis(dipyridylpyrrolide)cobalt Complexes. Inorganic Chemistry, 2019, 58, 2218-2228.	4.0	24
28	Hysteretic Fourâ€Step Spin Crossover within a Threeâ€Dimensional Porous Hofmannâ€like Material. Angewandte Chemie, 2016, 128, 15329-15333.	2.0	23
29	Determining the mechanisms of deformation in flexible crystals using micro-focus X-ray diffraction. CrystEngComm, 2021, 23, 5731-5737.	2.6	23
30	Improved accessibility to the desoxy analogues of Î”9-tetrahydrocannabinol and cannabidiol. Tetrahedron Letters, 2013, 54, 52-54.	1.4	22
31	Hydrothermal synthesis, structures and properties of two uranyl oxide hydroxyl hydrate phases with Co(<scp>ii</scp>) or Ni(<scp>ii</scp>) ions. New Journal of Chemistry, 2016, 40, 5357-5363.	2.8	22
32	Multifunctional MOFs through CO₂fixation: a metamagnetic kagome lattice with uniaxial zero thermal expansion and reversible guest sorption. Dalton Transactions, 2014, 43, 14766-14771.	3.3	21
33	Guestâ€Dependent Isomer Convergence of a Permanently Fluxional Coordination Cage. Angewandte Chemie - International Edition, 2022, 61, .	13.8	21
34	Half a grid is better than no grid: competition between 2,2â€²:6â€²,2â€²â€²-terpyridine and 3,6-di(pyrid-2-yl)pyridazine for copper(ii). Dalton Transactions, 2010, 39, 2337.	3.3	19
35	When five are six: the myth of five-coordinate copper(ii) in supramolecular chemistry. CrystEngComm, 2010, 12, 3163.	2.6	19
36	Dioxo-vanadium(<scp>v</scp>), oxo-rhenium(<scp>v</scp>) and dioxo-uranium(<scp>vi</scp>) complexes with a tridentate Schiff base ligand. RSC Advances, 2016, 6, 75045-75053.	3.6	19

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37	Guest Removal and External Pressure Variation Induce Spin Crossover in Halogen-Functionalized 2-D Hofmann Frameworks. Inorganic Chemistry, 2020, 59, 14296-14305.	4.0	19
38	A new modification of an old framework: Hofmann layers with unusual tetracyanidometallate groups. Dalton Transactions, 2011, 40, 11621.	3.3	18
39	Synthesis and crystal structures of uranium (VI) and thorium (IV) complexes with picolinamide and malonamide. Inorganic Chemistry Communication, 2013, 37, 219-221.	3.9	18
40	Chiral Ruthenium(II) Complexes as Supramolecular Building Blocks for Heterometallic Self-Assembly. Inorganic Chemistry, 2016, 55, 12737-12751.	4.0	18
41	Predicting the Position of the Hydrogen Atom in the Short Intramolecular Hydrogen Bond of the Hydrogen Maleate Anion from Geometric Correlations. Crystal Growth and Design, 2017, 17, 3812-3825.	3.0	18
42	First example of a CLICK reaction of a coordinated 4â€²-azido-2,2â€²:6â€²,2â€³-terpyridine ligand. Inorganic Chemistry Communication, 2010, 13, 495-497.	3.9	17
43	Kinetics vs. thermodynamics: a unique crystal transformation from a uranyl peroxo-nanocluster to a nanoclustered uranyl polyborate. RSC Advances, 2014, 4, 34244-34247.	3.6	17
44	Comparison of uranium(VI) and thorium(IV) coordination polymers with p-toluenesulfonic acid. Polyhedron, 2015, 91, 98-103.	2.2	16
45	The crystal structure of camerolaite and structural variation in the cyanotrichite family of merotypes. Mineralogical Magazine, 2014, 78, 1527-1552.	1.4	15
46	The influence of stereochemically active lone-pair electrons on crystal symmetry and twist angles in lead apatite-2Htype structures. Mineralogical Magazine, 2014, 78, 325-345.	1.4	15
47	The mechanism of bending in co-crystals of caffeine and 4-chloro-3-nitrobenzoic acid. Nature Communications, 2021, 12, 5983.	12.8	15
48	Spectroscopic Studies and Crystal Structures of Double Thorium(IV) Oxalates with Sodium Ions. European Journal of Inorganic Chemistry, 2013, 2013, 6170-6174.	2.0	13
49	Synthesis, spectroscopic characterization and crystal structures of thorium(IV) mononuclear lactato and hexanuclear formato complexes. Polyhedron, 2015, 87, 377-382.	2.2	13
50	First stable nitrate-encapsulated sandwich type polyoxometalate: Synthesis, structural characterization, and catalytic performance. Inorganic Chemistry Communication, 2014, 43, 39-44.	3.9	12
51	TvrdÃ½ite, Fe²⁺Fe^{3₂+}Al₃(PO₄)₄(OH)₅(OH<sub>2<su a new phosphate mineral from KrÃ¡sno near HornÃ-Slavkov, Czech Republic. Mineralogical Magazine, 2016, 80, 1077-1088.	1.4	12
52	[U(H₂O)₂]{[(UO₂)₁₀O₁₀(OH)₂][(UO₄</sub>)(H- A Mixed-Valence Uranium Oxide Hydrate Framework. Inorganic Chemistry, 2020, 59, 12166-12175.	4.0	12
53	A Bridge Too Far: Testing the Limits of Polypyridyl Ligands in Bridging Soluble Subunits of a Coordination Polymer. Crystal Growth and Design, 2017, 17, 6603-6612.	3.0	11
54	Molecular Switches for any pH: A Systematic Study of the Versatile Coordination Behaviour of Cyclam Scorpionands. Chemistry - A European Journal, 2018, 24, 1573-1585.	3.3	11

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55	Diastereoselective Control of Tetraphenylethene Reactivity by Metal Template Selfâ€Assembly. Chemistry - A European Journal, 2019, 25, 5708-5718.	3.3	11
56	Chiral edge-shared octahedral chains in liskeardite, [(Al,Fe)32(AsO4)18(OH)42(H2O)22]Â·52H2O, an open framework mineral with a pharmacoalumite-related structure. Mineralogical Magazine, 2013, 77, 3125-3135.	1.4	10
57	Thorium(IV) organic frameworks with aromatic polycarboxylate ligands. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2015, 82, 163-172.	1.6	10
58	3d transition metal complexes with a julolidineâ€“quinoline based ligand: structures, spectroscopy and optical properties. Inorganic Chemistry Frontiers, 2016, 3, 286-295.	6.0	10
59	Metal-mediated thiolâ€“disulfide interconversionâ€”a new tool for metallosupramolecular chemistry. Dalton Transactions, 2008, , 3795.	3.3	9
60	Tuning Coordination Environments Through Ligand Redox Chemistry: the Thiol - Disulfide Reaction. Australian Journal of Chemistry, 2010, 63, 1334.	0.9	9
61	Capturing copper(II) ions using {Cu(tpy)(bpy)} domains. Inorganic Chemistry Communication, 2010, 13, 683-685.	3.9	9
62	Uranyl peroxide clusters stabilized by dicarboxylate ligands: A pentagonal ring and a dimer with extensive uranylâ€“cation interactions. Polyhedron, 2015, 92, 99-104.	2.2	9
63	Phase Control of Ferromagnetic Copper(II) Carbonate Coordination Polymers through Reagent Concentration. European Journal of Inorganic Chemistry, 2018, 2018, 5223-5228.	2.0	9
64	Dual-supramolecular contacts induce extreme Hofmann framework distortion and multi-stepped spin-crossover. Dalton Transactions, 2021, 50, 1434-1442.	3.3	9
65	One-dimensional uranium(VI) coordination polymers with pyridinecarboxylate ligands. Polyhedron, 2016, 113, 88-95.	2.2	8
66	Thorium(IV) and Uranium(IV) Complexes with Cucurbit[5]uril. Inorganic Chemistry, 2018, 57, 8588-8598.	4.0	8
67	Guestâ€Dependent Isomer Convergence of a Permanently Fluxional Coordination Cage. Angewandte Chemie, 2022, 134, .	2.0	8
68	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 41, 185-191.	1.6	7
69	True and quasi-isomorphism in tetrakis(acetonitrile)coinage metal(i) salts. CrystEngComm, 2013, 15, 1125.	2.6	7
70	Magnetic and Electronic Properties of Three New Hetero-Bimetallic Coordination Frameworks [Ru2(O2CR)4][Au(CN)2] (R = Benzoic Acid, Furan-2-carboxylate, or Thiophen-2-carboxylate). Australian Journal of Chemistry, 2014, 67, 1607.	0.9	7
71	Baâ€“Cu ordering in bariopharmacoalumite-Q2a2b2c from Cap Garonne, France. Mineralogical Magazine, 2014, 78, 851-860.	1.4	7
72	Flurlite, Zn₃Mn²⁺Fe³⁺(PO₄)₃(OH)₂Â·9H₂O, a new mineral from the Hagendorf SÃ¼d pegmatite, Bavaria, with a schoonerite-related structure. Mineralogical Magazine, 2015, 79, 1175-1184.	1.4	7

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73	WilhelmgÃ¼mbelite, [ZnFe²⁺Fe₃³⁺(PO₄)₃(OH)₄(H₂O)<sub>... a new schoonerite-related mineral from the Hagendorf SÃ¼d pegmatite, Bavaria. Mineralogical Magazine, 2017, 81, 287-296.	1.4	7
74	Redox addressable ligands in copper(i) coordination chemistry: thione and oligosulfide-bridged 6-methyl-2,2â€²-bipyridines. CrystEngComm, 2010, 12, 2928.	2.6	6
75	A strategy for controlling charge and conformation in 2,2â€²-bipyridine complexes for use in photonic applications. Inorganic Chemistry Communication, 2010, 13, 74-76.	3.9	6
76	Bettertonite, [Al₆(AsO₄)₃(OH)₉(H₂O)₅]Â·11H₂O, a new mineral from the Penberthy Croft mine, St. Hilary, Cornwall, UK, with a structure based on polyoxometalate clusters. Mineralogical Magazine, 2015, 79, 1849-1858.	1.4	6
77	The crystal structure of cyanotrichite. Mineralogical Magazine, 2015, 79, 321-335.	1.4	6
78	Zincoberaunite, ZnFe3+ 5(PO4)4(OH)5â‹…6H2O, a new mineral from the Hagendorf South pegmatite, Germany. Mineralogy and Petrology, 2017, 111, 351-361.	1.1	6
79	Regulation of Multistep Spin Crossover Across Multiple Stimuli in a 2-D Framework Material. Inorganic Chemistry, 2022, 61, 6641-6649.	4.0	6
80	Structures, Electrochemical and Spectral Properties of a Series of [MnN(CN)3(diimine)]-Complexes. European Journal of Inorganic Chemistry, 2015, 2015, 2752-2757.	2.0	5
81	Penberthycroftite, [Al₆(AsO₄)₃(OH)₉(H₂O)₅]Â·8H₂O, a second new hydrated aluminium arsenate mineral from the Penberthy Croft mine, St. Hilary, Cornwall, UK. Mineralogical Magazine, 2016, 80, 1149-1160.	1.4	5
82	All about that base: investigating the role of ligand basicity in pyridyl complexes derived from a copper-Schiff base coordination polymer. Dalton Transactions, 2019, 48, 15553-15559.	3.3	5
83	Sideâ€Chain Interactions in <scp>d</scp>/<scp>l</scp> Peptide Nanotubes: Studies by Crystallography, NMR Spectroscopy and Molecular Dynamics. Chemistry - A European Journal, 2021, 27, 14489-14500.	3.3	5
84	Doubly Pyridazine-bridged Dicobalt(II) and Dinickel(II) Side-by-side Complexes of Variously Substituted Conjugated Bis-bidentate Ligands. Australian Journal of Chemistry, 2010, 63, 779.	0.9	4
85	Rage Against Conformity: Ruthenium(ÉªÉª) Bisterpyridine Complexes Respond to Crystal Engineering Instructions with Whelming Results. Australian Journal of Chemistry, 2017, 70, 529.	0.9	3
86	Synthesis of Two 2,2â€²-Bipyridine Containing Macrocycles for the Preparation of Interlocked Architectures. Australian Journal of Chemistry, 2017, 70, 588.	0.9	3
87	Hydrothermal synthesis, structures and magnetic properties of two new holmium(III) oxalato complexes. Journal of Coordination Chemistry, 2017, 70, 2040-2051.	2.2	3
88	Crystallographic ordering of aluminium in laueite at Hagendorf-SÃ¼d. Mineralogical Magazine, 2015, 79, 309-319.	1.4	2
89	Syntheses and crystal structures of two uranyl peroxide nanoclusters with a diphosphonate linker ligand. Polyhedron, 2019, 174, 114161.	2.2	2
90	Lanthanide mononuclear complexes with a tridentate Schiff base ligand: Structures, spectroscopies and properties. Polyhedron, 2019, 165, 125-131.	2.2	1

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91	New Macrocyclic Ligands. XVI. Synthesis of a Series of N-Benzylated Macrocycles Incorporating N4O2-Donor Set. Australian Journal of Chemistry, 2003, 56, 1141.	0.9	1
92	Thermosalience Revealed on the Atomic Scale: Rapid Synchrotron Techniques Uncover Molecular Motion Preceding Crystal Jumping. Crystal Growth and Design, 2022, 22, 1951-1959.	3.0	1
93	Crystal structure of posnjakite formed in the first crystal water-cooling line of the ANSTO Melbourne Australian Synchrotron MX1 Double Crystal Monochromator. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1136-1138.	0.5	0