

Craig Forsyth

List of Publications by Year in descending order

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papers

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201674

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100
docs citations

100
times ranked

2806
citing authors

#	ARTICLE	IF	CITATIONS
1	Zwitterionic materials with disorder and plasticity and their application as non-volatile solid or liquid electrolytes. <i>Nature Materials</i> , 2022, 21, 228-236.	27.5	55
2	Factors controlling the physical properties of an organic ionic plastic crystal. <i>Materials Today Physics</i> , 2022, 22, 100603.	6.0	9
3	Crystallographic and Computational Characterisation of the Potential PET Tracer 1,4,7-triazacyclononane-1,4,7-tri(methylenephosphonato)gallium(III). <i>ChemistrySelect</i> , 2022, 7, .	1.5	5
4	Carbodiphosphorane-Stabilized Parent Dioxophosphorane: A Valuable Synthetic HO₂P Source. <i>Journal of the American Chemical Society</i> , 2022, 144, 7357-7365.	13.7	7
5	Thermal, structural and dynamic properties of ionic liquids and organic ionic plastic crystals with a small ether-functionalised cation. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1437-1455.	5.9	8
6	A silver(I) coordination polymer with bridging bis(thiosemicarbazone) ligands and unsupported argentophilic interactions. <i>Journal of Coordination Chemistry</i> , 2022, 75, 1691-1701.	2.2	0
7	A Cascade Process of Hydroxamates Renders 1,6-Dioxo-3,9-diazaspiro[4.4]nonane-2,8-diones. <i>Synthesis</i> , 2021, 53, 2081-2091.	2.3	0
8	Comparing the Physicochemical, Electrochemical, and Structural Properties of Boronium versus Pyrrolidinium Cation-Based Ionic Liquids and Their Performance as Li-Ion Battery Electrolytes. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8055-8067.	3.1	6
9	Diverse and unexpected outcomes from oxidation of the platinum(II) anticancer agent [Pt{(p-BrC6F4)NCH2CH2NEt2}Cl(py)] by hydrogen peroxide. <i>Journal of Inorganic Biochemistry</i> , 2021, 218, 111360.	3.5	2
10	The Synthesis of a Bis(thiosemicarbazone) Macrocyclic Ligand and the Mn(II), Co(II), Zn(II) and ⁶⁸ Ga(III) Complexes. <i>Molecules</i> , 2021, 26, 3646.	3.8	6
11	Investigation of Unusual Conductivity Behavior and Ion Dynamics in Hexamethylguanidinium Bis(fluorosulfonyl)imide-Based Electrolytes for Sodium Batteries. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12518-12530.	3.1	15
12	Lithium Borate Ester Salts for Electrolyte Application in Next-Generation High Voltage Lithium Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2101422.	19.5	34
13	Probing the secrets of hydrogen bonding in organic salt phase change materials: the origins of a high enthalpy of fusion. <i>Materials Advances</i> , 2021, 2, 7650-7661.	5.4	13
14	Tuning the Ferrotoroidic Coupling and Magnetic Hysteresis in Double-Triangle Complexes {Dy ₃ M ^{III} Dy ₃ } via the M ^{III} linker. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 435-444.	2.0	15
15	Pyrazolium Phase-Change Materials for Solar-Thermal Energy Storage. <i>ChemSusChem</i> , 2020, 13, 159-164.	6.8	29
16	The Performance-Determining Role of Lewis Bases in Dye-Sensitized Solar Cells Employing Copper-Bisphenanthroline Redox Mediators. <i>Advanced Energy Materials</i> , 2020, 10, 2002067.	19.5	22
17	Preparation and Structures of Rare Earth 3-Benzoylpropanoates and 3-Phenylpropanoates. <i>Australian Journal of Chemistry</i> , 2020, 73, 1250.	0.9	1
18	Photochemically Induced Solid State Dimerisation of Resveratrol Analogues: A Greener Synthetic Process. <i>Australian Journal of Chemistry</i> , 2020, 73, 1260.	0.9	2

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19	A Family of Heterocyclic Naphthalene Diimide (NDI) Analogues: Comparing Parent Isoquinoline Diimides and Phthalazine Diimides with NDI. <i>ChemPlusChem</i> , 2019, 84, 1638-1642.	2.8	4
20	New examples of triangular terbium(ⁱⁱⁱ) and holmium(ⁱⁱⁱ) and hexagonal dysprosium(ⁱⁱⁱ) single molecule toroids. <i>Dalton Transactions</i> , 2019, 48, 15657-15667.	3.3	24
21	Organic salts utilising the hexamethylguanidinium cation: the influence of the anion on the structural, physical and thermal properties. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12288-12300.	2.8	28
22	Titelbild: Visualisierung der Phasensegregation in Gemischthalogenid-Perowskiteinkristallen (Angew.) Tj ETQq0 0,0rgBT /Oylock 10 2,0		
23	Visualisierung der Phasensegregation in Gemischthalogenid-Perowskiteinkristallen. <i>Angewandte Chemie</i> , 2019, 131, 2919-2924.	2.0	4
24	Visualizing Phase Segregation in Mixed-Halide Perovskite Single Crystals. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2893-2898.	13.8	77
25	(<i>R,R,S,S</i>)-9-Benzyl-3-methyl-7-phenyl-1,6-dioxo-3,9-diazaspiro[4.4]nonane-2,8-dione. <i>IUCrData</i> , 2019, 4, .	0.3	1
26	Use of the TCNQ ⁴⁻ Dianion in the Spontaneous Redox Formation of [Fe ^{III} (L ⁺) ₂][TCNQ ⁴⁻] ₂ . <i>ChemPlusChem</i> , 2018, 83, 658-668.	2.8	4
27	Tetracarboxylate Bis-Bipyridine Ruthenium Dyes: Synthesis, Structural and Electronic Characterisation. <i>ChemPlusChem</i> , 2018, 83, 691-703.	2.8	2
28	5-Amino-3-(diethylamino)-5H-benzo[4,5]imidazo[1,2-b][1,2,4,6]thiaziazine 1,1-Dioxide. <i>MolBank</i> , 2018, 2018, M1018.	0.5	0
29	Cadmium tris(dithiocarbamate) ionic liquids as single source, solvent-free cadmium sulfide precursors. <i>Chemical Communications</i> , 2018, 54, 8925-8928.	4.1	6
30	Rationalizing the sign and magnitude of the magnetic coupling and anisotropy in dinuclear manganese(III) complexes. <i>Dalton Transactions</i> , 2018, 47, 11820-11833.	3.3	20
31	Phosphasalen Indium Complexes Showing High Rates and Isoselectivities in <i>rac</i> -Lactide Polymerizations. <i>Angewandte Chemie</i> , 2017, 129, 5361-5366.	2.0	23
32	Phosphasalen Indium Complexes Showing High Rates and Isoselectivities in <i>rac</i> -Lactide Polymerizations. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5277-5282.	13.8	91
33	Synthesis and Structures of Rare Earth 3-(4-Methylbenzoyl)-propanoate Complexes – New Corrosion Inhibitors. <i>Australian Journal of Chemistry</i> , 2017, 70, 478.	0.9	18
34	Recurrent supramolecular scenarios within complex 3-D hydrogen bond networks derived from organic ammonium salts of (4-amino-1-hydroxybutylidene)-1,1-bisphosphonic acid. <i>CrystEngComm</i> , 2017, 19, 5611-5621.	2.6	1
35	Crystal structures of two 2,3-diethylnaphtho[2,3- <i>g</i>]quinoxaline-6,11-dione derivatives. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1125-1129.	0.5	0
36	Structural elucidation of a hydroxycineole product obtained from cytochrome P450 monooxygenase CYP101J2 catalysed transformation of 1,8-cineole. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1242-1245.	0.5	3

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37	Double cyclization of O-acylated hydroxyamides generates 1,6-dioxo-3,9-diazaspiro[4.4]nonanes a new class of oxy-oxazolidinones. RSC Advances, 2016, 6, 55534-55538.	3.6	4
38	Supramolecular materials with robust and tunable channels constructed from tin(<i>iv</i>)porphyrin phenolates. CrystEngComm, 2015, 17, 3060-3063.	2.6	6
39	Enantioselective N-Heterocyclic Carbene Catalyzed Diene Regenerative (4 + 2) Annulation. Organic Letters, 2015, 17, 5332-5335.	4.6	29
40	Coordination Polymers of Increasing Complexity Derived from Alkali Metal Cations and (4-Amino-1-hydroxybutylidene)-1,1-bisphosphonic Acid (Alendronic Acid): The Competitive Influences of Coordination and Supramolecular Interactions. Crystal Growth and Design, 2015, 15, 4646-4662.	3.0	10
41	Formation of a non-porous cobalt-phosphonate framework by small pH change in the preparation of the microporous STA-16(Co). CrystEngComm, 2014, 16, 6296-6299.	2.6	4
42	<i>N</i> -Alkyl functionalized barbituric and thiobarbituric acid bithiophene derivatives for vacuum deposited n-channel OFETs. Journal of Materials Chemistry C, 2014, 2, 3895-3899.	5.5	15
43	Synthesis, characterization, crystal structure, electrochemical properties and electrocatalytic activity of an unexpected nickel(II) Schiff base complex derived from bis(acetylacetonato)nickel(II), acetone and ethylenediamine. Transition Metal Chemistry, 2014, 39, 883-891.	1.4	7
44	Physical Properties and Structural Characterization of Ionic Liquids and Solid Electrolytes Utilizing the Carbamoylcyanonitrosomethanide Anion. ChemPlusChem, 2013, 78, 468-468.	2.8	0
45	Physical Properties and Structural Characterization of Ionic Liquids and Solid Electrolytes Utilizing the Carbamoylcyanonitrosomethanide Anion. ChemPlusChem, 2013, 78, 486-497.	2.8	16
46	Structure and Transport Properties of a Plastic Crystal Ion Conductor: Diethyl(methyl)(isobutyl)phosphonium Hexafluorophosphate. Journal of the American Chemical Society, 2012, 134, 9688-9697.	13.7	154
47	Single Crystal X-ray, AFM, NEXAFS, and OFET Studies on Angular Polycyclic Aromatic Silyl-Capped 7,14-Bis(ethynyl)dibenzo[b,def]chrysenes. Crystal Growth and Design, 2012, 12, 725-731.	3.0	29
48	Supramolecular architecture of silver(I) coordination polymers containing polydentate N-donor ligands. CrystEngComm, 2012, 14, 3717.	2.6	46
49	Novel ionic liquids and plastic crystals utilizing the cyanate anion. Journal of Materials Chemistry, 2011, 21, 19219.	6.7	28
50	A supramolecular twist to the structures of bis(polyfluorophenyl)mercurials. CrystEngComm, 2011, 13, 88-92.	2.6	5
51	Bismuth(III) Saccharinate and Thiosaccharinate Complexes and the Effect of Ligand Substitution on Their Activity against <i>Helicobacter pylori</i> . Organometallics, 2011, 30, 6283-6291.	2.3	37
52	New hybrids of clozapine and haloperidol and their isosteric analogues: synthesis, X-ray crystallography, conformational analysis and preliminary pharmacological evaluation. Structural Chemistry, 2010, 21, 613-628.	2.0	6
53	A Structural Investigation of Trivalent and Divalent Rare Earth Thiocyanate Complexes Synthesised by Redox Transmetallation. European Journal of Inorganic Chemistry, 2010, 2010, 2813-2825.	2.0	17
54	Syntheses at Elevated Temperature and Structures of Lanthanoid/Alkaline Earth Heterobimetallic Derivatives of 2-Methyl-8-hydroxyquinoline. European Journal of Inorganic Chemistry, 2010, 2010, 2787-2797.	2.0	19

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55	Benzothiadiazole-Containing Pendant Polymers Prepared by RAFT and Their Electro-Optical Properties. <i>Macromolecules</i> , 2010, 43, 7101-7110.	4.8	25
56	Synthesis and Structural Characterization of 1,2- β -Benzenedisulfonate Complexes of the Heavy Group 2 Elements. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 949-961.	1.2	3
57	Dibenzo[b,def]chrysene Derivatives: Solution-Processable Small Molecules that Deliver High Power-Conversion Efficiencies in Bulk Heterojunction Solar Cells. <i>Chemistry of Materials</i> , 2009, 21, 5701-5703.	6.7	98
58	When Metathesis Reactions Go Wrong: Novel Structural Consequences. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2903-2906.	1.2	3
59	Small Steric Variations in Ligands with Large Synthetic and Structural Consequences. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 557-562.	2.0	25
60	The Supramolecular Architecture of Arene Complexes of Bis(polyfluorophenyl)mercurials. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4770-4780.	2.0	17
61	Interactions in bisamide ionic liquids—insights from a Hirshfeld surface analysis of their crystalline states. <i>New Journal of Chemistry</i> , 2008, 32, 2121.	2.8	44
62	Thermally stable lead(ii) amidinates and guanidinates. <i>New Journal of Chemistry</i> , 2008, 32, 829.	2.8	37
63	Accessing Decaphenylmetallocenes of Ytterbium, Calcium, and Barium by Desolvation of Solvent-Separated Ion Pairs: Overcoming Adverse Solubility Properties. <i>Organometallics</i> , 2008, 27, 4772-4778.	2.3	72
64	Formation and Structure of Metal Complexes with the Fungicides Tebuconazole and Propiconazole. <i>Journal of Wood Chemistry and Technology</i> , 2007, 27, 243-256.	1.7	20
65	Diol-functionalised benzoates as novel linkers for the formation of coordination polymers. <i>CrystEngComm</i> , 2007, 9, 282.	2.6	4
66	Sodium pyridine-3-carboxylate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007, 63, m169-m170.	0.4	10
67	A rare earth alloy as a synthetic reagent: contrasting homometallic rare earth and heterobimetallic outcomes. <i>New Journal of Chemistry</i> , 2006, 30, 592.	2.8	21
68	Dinuclear alkynyllanthanoid(ii) dications with pentaphenylcyclopentadienyl or tri-tert-butylidiphosphacyclopentadienyl counter ions. <i>Chemical Communications</i> , 2006, , 1003.	4.1	36
69	Coordination of Tetraphenylborate to Ytterbium(II): A New Class of Lanthanoidansa-Metallocenes. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 817-821.	2.0	25
70	Hydrocarbon-soluble, polymetallic, lanthanoid aryloxides constructed utilising ligands with distal But groups. <i>Journal of Materials Chemistry</i> , 2004, 14, 3144.	6.7	27
71	Crystal Structure of a CeIII/FeIII Heterobimetallic Complex. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003, 629, 1472-1474.	1.2	8
72	The effect of anion fluorination in ionic liquids—physical properties of a range of bis(methanesulfonyl)amide salts. <i>New Journal of Chemistry</i> , 2003, 27, 1504-1510.	2.8	156

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73	A Half-Sandwich Perfluoroorganoytterbium(II) Complex from a Simple Redox Transmetalation/Ligand Exchange Synthesis. <i>Organometallics</i> , 2003, 22, 1349-1352.	2.3	57
74	Conductivity, NMR and crystallographic study of N,N,N,N-tetramethylammonium dicyanamide plastic crystal phases: an archetypal ambient temperature plastic electrolyte material. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2692.	2.8	74
75	Mixed-ligand ytterbium(iii) complexes incorporating one or two bidentate (N,O) amide ligands. <i>Dalton Transactions</i> , 2003, , 3216.	3.3	8
76	Linkage isomerism and C-H activation in an ytterbium(ii) tetraphenylborate. <i>Chemical Communications</i> , 2002, , 2522-2523.	4.1	38
77	Physical trends and structural features in organic salts of the thiocyanate anion. <i>Journal of Materials Chemistry</i> , 2002, 12, 3475-3480.	6.7	124
78	Structurally diverse organoamides and organoamido-, organometallic-lithium aggregates from reactions of N-(2-phenoxyphenyl)-N-(trimethylsilyl)amine with LiBun. <i>Dalton Transactions RSC</i> , 2001, , 2494-2501.	2.3	18
79	A simple synthesis and a structural survey of homoleptic rare earth(III) 2,6-diphenylphenolates. <i>Dalton Transactions RSC</i> , 2000, , 961-966.	2.3	67
80	Novel pyrazolate coordination modes and unusual Tl-...- or Tl-...-(phenyl) interactions in the crystal structures of [Tl ₃ (Ph ₂ pz) ₃] _n , [Tl ₄ (Ph ₂ pz) ₄] _n , [Tl ₄ (Ph ₂ pz) ₃ (OH)] ₂ and [Tl ₄ (MePhpz) ₃ (OH)] _n (Ph ₂ pz=...3,5-diphenylpyrazolate; MePhpz=...3-methyl-5-phenylpyrazolate). <i>Dalton Transactions RSC</i> , 2000, , 745-751.	2.3	52
81	The First Crystallographically Characterized (Perfluoroaryl)lanthanoid(II) Complex, Eu(C ₆ F ₅) ₂ (OC ₄ H ₈) ₅ . <i>Organometallics</i> , 2000, 19, 1205-1207.	2.3	36
82	Supramolecular Architecture and a New Mode of Pyrazolate Coordination (1:3) in the First Homoleptic Lanthanide Pyrazolate Complexes. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1766-1767.	13.8	46
83	Complexation of a Novel Organoytterbium(II) Ligand with Dimethylplatinum(II): Crystal Structure of the Resulting Heterobimetallic Complex. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1370-1371.	4.4	30
84	Bis(Phenylethynyl)Ytterbium(II) from Ytterbium Metal and Bis(Phenylethynyl)Mercury. <i>Inorganic Syntheses</i> , 0, , 142-146.	0.3	0
85	Elucidating structural patterns in hydrogen bond dense materials: a study of ammonium salts of (4-aminium-1-hydroxybutylidene)-1,1-bisphosphonic acid.. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 0, , .	1.2	1