

# Craig Forsyth

## List of Publications by Year in descending order

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85  
papers

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citations

201674

27  
h-index

233421

45  
g-index

100  
all docs

100  
docs citations

100  
times ranked

2806  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | The effect of anion fluorination in ionic liquidsâ€™ physical properties of a range of bis(methanesulfonyl)amide salts. <i>New Journal of Chemistry</i> , 2003, 27, 1504-1510.   | 2.8  | 156       |
| 2  | Structure and Transport Properties of a Plastic Crystal Ion Conductor: Diethyl(methyl)(isobutyl)phosphonium Hexafluorophosphate. <i>Journal of the American Chemical Society</i> , 2012, 134, 9688-9697.   | 13.7 | 154       |
| 3  | 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       |
| 4  | 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        |
| 5  | 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        |
| 6  | Visualizing Phase Segregation in Mixed-Halide Perovskite Single Crystals. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2893-2898.  | 13.8 | 77        |
| 7  | 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        |
| 8  | Accessing Decaphenylmetalloenes 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        |
| 9  | 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        |
| 10 | A Half-Sandwich Perfluoroorganoytterbium(II) Complex from a Simple Redox Transmetalation/Ligand Exchange Synthesis. <i>Organometallics</i> , 2003, 22, 1349-1352.  | 2.3  | 57        |
| 11 | 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        |
| 12 | Novel pyrazolate coordination modes and unusual TIâ€Šâ€Š or TIâ€Š(phenyl) interactions in the crystal structures of [Ti3(Ph2pz)3]n, [Ti4(Ph2pz)4]n, [Ti4(Ph2pz)3(OH)]2 and [Ti4(MePhpz)3(OH)]n (Ph2pzâ€Šâ€Š=3,5-diphenylpyrazolate; MePhpzâ€Šâ€Š=3-methyl-5-phenylpyrazolate). <i>Dalton Transactions RSC</i> , 2000, , 745-751. | 2.3  | 52        |
| 13 | Supramolecular Architecture and a New Mode of Pyrazolate Coordination ( $\bar{1}$ -3) in the First Homoleptic Lanthanide Pyrazolate Complexes. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 1766-1767.   | 13.8 | 46        |
| 14 | Supramolecular architecture of silver(I) coordination polymers containing polydentate N-donor ligands. <i>CrystEngComm</i> , 2012, 14, 3717.   | 2.6  | 46        |
| 15 | Interactions in bisamide ionic liquidsâ€™ insights from a Hirshfeld surface analysis of their crystalline states. <i>New Journal of Chemistry</i> , 2008, 32, 2121.  | 2.8  | 44        |
| 16 | Linkage isomerism and Câ€ŠH activation in an ytterbium(ii) tetraphenylborate. <i>Chemical Communications</i> , 2002, , 2522-2523.  | 4.1  | 38        |
| 17 | Thermally stable lead(ii) amidinates and guanidinates. <i>New Journal of Chemistry</i> , 2008, 32, 829.  | 2.8  | 37        |
| 18 | Bismuth(III) Saccharinate and Thiosaccharinate Complexes and the Effect of Ligand Substitution on Their Activity against <i>Helicobacter pylori</i> . <i>Organometallics</i> , 2011, 30, 6283-6291.  | 2.3  | 37        |

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|----|--|------|-----------|
| 19 | The First Crystallographically Characterized (Perfluoroaryl)lanthanoid(II) Complex, Eu(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> (OC <sub>4</sub> H <sub>8</sub> ) <sub>5</sub> . <i>Organometallics</i> , 2000, 19, 1205-1207. | 2.3  | 36        |
| 20 | Dinuclear alkynyllanthanoid(ii) dications with pentaphenylcyclopentadienyl or tri-tert-butylidiphosphacyclopentadienyl counter ions. <i>Chemical Communications</i> , 2006, , 1003.  | 4.1  | 36        |
| 21 | 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        |
| 22 | 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        |
| 23 | Single Crystal X-ray, AFM, NEXAFS, and OFET Studies on Angular Polycyclic Aromatic Silyl-Capped 7,14-Bis(ethynyl)dibenzo[b,def]chrysenes. <i>Crystal Growth and Design</i> , 2012, 12, 725-731.                                    | 3.0  | 29        |
| 24 | Enantioselective N-Heterocyclic Carbene Catalyzed Diene Regenerative (4 + 2) Annulation. <i>Organic Letters</i> , 2015, 17, 5332-5335.   | 4.6  | 29        |
| 25 | Pyrazolium Phase-Change Materials for Solar-Thermal Energy Storage. <i>ChemSusChem</i> , 2020, 13, 159-164.  | 6.8  | 29        |
| 26 | Novel ionic liquids and plastic crystals utilizing the cyanate anion. <i>Journal of Materials Chemistry</i> , 2011, 21, 19219.   | 6.7  | 28        |
| 27 | 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        |
| 28 | Hydrocarbon-soluble, polymetallic, lanthanoid aryloxides constructed utilising ligands with distal But groups. <i>Journal of Materials Chemistry</i> , 2004, 14, 3144.   | 6.7  | 27        |
| 29 | η <sup>6</sup> :η <sup>6</sup> Coordination of Tetraphenylborate to Ytterbium(II): A New Class of Lanthanoidansa-Metalloenes. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 817-821.                                | 2.0  | 25        |
| 30 | 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        |
| 31 | Benzothiadiazole-Containing Pendant Polymers Prepared by RAFT and Their Electro-Optical Properties. <i>Macromolecules</i> , 2010, 43, 7101-7110.   | 4.8  | 25        |
| 32 | 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        |
| 33 | 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        |
| 34 | 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        |
| 35 | 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        |
| 36 | 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        |

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|----|--|-----|-----------|
| 37 | Rationalizing the sign and magnitude of the magnetic coupling and anisotropy in dinuclear manganese(III) complexes. Dalton Transactions, 2018, 47, 11820-11833.  | 3.3 | 20        |
| 38 | 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        |
| 39 | Structurally diverse organoamides and organoamido-, organometallic-lithium aggregates from reactions of N-(2-phenoxyphenyl)-N-(trimethylsilyl)amine with LiBun <sup>+</sup> . Dalton Transactions RSC, 2001, , 2494-2501.  | 2.3 | 18        |
| 40 | Synthesis and Structures of Rare Earth 3-(4- <sup>2</sup> -Methylbenzoyl)-propanoate Complexes " New Corrosion Inhibitors. Australian Journal of Chemistry, 2017, 70, 478.   | 0.9 | 18        |
| 41 | The Supramolecular Architecture of Arene Complexes of Bis(polyfluorophenyl)mercurials. European Journal of Inorganic Chemistry, 2008, 2008, 4770-4780.   | 2.0 | 17        |
| 42 | 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        |
| 43 | Physical Properties and Structural Characterization of Ionic Liquids and Solid Electrolytes Utilizing the Carbamoylcyano(nitroso)methanide Anion. ChemPlusChem, 2013, 78, 486-497.   | 2.8 | 16        |
| 44 | <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        |
| 45 | Investigation of Unusual Conductivity Behavior and Ion Dynamics in Hexamethylguanidinium Bis(fluorosulfonyl)imide-Based Electrolytes for Sodium Batteries. Journal of Physical Chemistry C, 2021, 125, 12518-12530.  | 3.1 | 15        |
| 46 | Tuning the Ferrotoroidic Coupling and Magnetic Hysteresis in Double- $\Delta$ Triangle Complexes {Dy <sub>3</sub> M <sup>III</sup> Dy <sub>3</sub> } via the M <sup>III</sup> Linker. European Journal of Inorganic Chemistry, 2021, 2021, 435-444.                                      | 2.0 | 15        |
| 47 | Probing the secrets of hydrogen bonding in organic salt phase change materials: the origins of a high enthalpy of fusion. Materials Advances, 2021, 2, 7650-7661.  | 5.4 | 13        |
| 48 | Sodium pyridine-3-carboxylate. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, m169-m170.  | 0.4 | 10        |
| 49 | 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        |
| 50 | Factors controlling the physical properties of an organic ionic plastic crystal. Materials Today Physics, 2022, 22, 100603.  | 6.0 | 9         |
| 51 | Crystal Structure of a Ce <sup>III</sup> /Fe <sup>III</sup> Heterobimetallic Complex. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 1472-1474.  | 1.2 | 8         |
| 52 | Mixed-ligand ytterbium(III) complexes incorporating one or two bidentate (N,O) amide ligands. Dalton Transactions, 2003, , 3216.   | 3.3 | 8         |
| 53 | Thermal, structural and dynamic properties of ionic liquids and organic ionic plastic crystals with a small ether-functionalised cation. Materials Chemistry Frontiers, 2022, 6, 1437-1455.  | 5.9 | 8         |
| 54 | 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         |

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|----|--|------|-----------|
| 55 | Carbodiphosphorane-Stabilized Parent Dioxophosphorane: A Valuable Synthetic HO <sub>2</sub> P Source. <i>Journal of the American Chemical Society</i> , 2022, 144, 7357-7365.  | 13.7 | 7         |
| 56 | New hybrids of clozapine and haloperidol and their isosteric analogues: synthesis, X-ray crystallography, conformational analysis and preliminary pharmacological evaluation. <i>Structural Chemistry</i> , 2010, 21, 613-628.                             | 2.0  | 6         |
| 57 | Supramolecular materials with robust and tunable channels constructed from tin( <i>iv</i> )porphyrin phenolates. <i>CrystEngComm</i> , 2015, 17, 3060-3063.  | 2.6  | 6         |
| 58 | Cadmium tris(dithiocarbamate) ionic liquids as single source, solvent-free cadmium sulfide precursors. <i>Chemical Communications</i> , 2018, 54, 8925-8928.   | 4.1  | 6         |
| 59 | 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         |
| 60 | The Synthesis of a Bis(thiosemicarbazone) Macrocyclic Ligand and the Mn(II), Co(II), Zn(II) and <sup>68</sup> Ga(III) Complexes. <i>Molecules</i> , 2021, 26, 3646.  | 3.8  | 6         |
| 61 | A supramolecular twist to the structures of bis(polyfluorophenyl)mercurials. <i>CrystEngComm</i> , 2011, 13, 88-92.  | 2.6  | 5         |
| 62 | 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         |
| 63 | Diol-functionalised benzoates as novel linkers for the formation of coordination polymers. <i>CrystEngComm</i> , 2007, 9, 282.   | 2.6  | 4         |
| 64 | Formation of a non-porous cobalt-phosphonate framework by small pH change in the preparation of the microporous STA-16(Co). <i>CrystEngComm</i> , 2014, 16, 6296-6299.   | 2.6  | 4         |
| 65 | Double cyclization of O-acylated hydroxyamides generates 1,6-dioxo-3,9-diazaspiro[4.4]nonanes a new class of oxy-oxazolidinones. <i>RSC Advances</i> , 2016, 6, 55534-55538.   | 3.6  | 4         |
| 66 | Use of the TCNQ <sup>4-</sup> Dianion in the Spontaneous Redox Formation of [Fe <sup>III</sup> (L <sup>2-</sup> ) <sub>2</sub> ][TCNQ <sup>4-</sup> ]. <i>ChemPlusChem</i> , 2018, 83, 658-668.  | 2.8  | 4         |
| 67 | 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         |
| 68 | Visualisierung der Phasensegregation in Gemischthalogenid-Perowskiteinkristallen. <i>Angewandte Chemie</i> , 2019, 131, 2919-2924.   | 2.0  | 4         |
| 69 | When Metathesis Reactions Go Wrong: Novel Structural Consequences. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008, 634, 2903-2906.   | 1.2  | 3         |
| 70 | Synthesis and Structural Characterization of 1,2-Benzenedisulfonate Complexes of the Heavy Group 2 Elements. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2009, 635, 949-961.   | 1.2  | 3         |
| 71 | Structural elucidation of a hydroxy-cineole 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         |
| 72 | Tetracarboxylate Bis-Bipyridine Ruthenium Dyes: Synthesis, Structural and Electronic Characterisation. <i>ChemPlusChem</i> , 2018, 83, 691-703.  | 2.8  | 2         |

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|----|--|-----|-----------|
| 73 | 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         |
| 74 | Photochemically Induced Solid State Dimerisation of Resveratrol Analogues: A Greener Synthetic Process. <i>Australian Journal of Chemistry</i> , 2020, 73, 1260.   | 0.9 | 2         |
| 75 | 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         |
| 76 | (R,R,S,S)-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         |
| 77 | Preparation and Structures of Rare Earth 3-Benzoylpropanoates and 3-Phenylpropanoates. <i>Australian Journal of Chemistry</i> , 2020, 73, 1250.  | 0.9 | 1         |
| 78 | 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         |
| 79 | Physical Properties and Structural Characterization of Ionic Liquids and Solid Electrolytes Utilizing the Carbamoylcyano(nitroso)methanide Anion. <i>ChemPlusChem</i> , 2013, 78, 468-468.                               | 2.8 | 0         |
| 80 | Crystal structures of two 2,3-diethylnaphtho[2,3-g]quinoxaline-6,11-dione derivatives. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1125-1129.                                   | 0.5 | 0         |
| 81 | 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         |
| 82 | Titelbild: Visualisierung der Phasensegregation in Gemischthalogenid-Perowskiteinkristallen (Angew.) <i>Tj ETQq0 0,0rgBT /Oyerlock 10</i>  | 2.0 | 0         |
| 83 | 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         |
| 84 | Bis(Phenylethynyl)Ytterbium(II) from Ytterbium Metal and Bis(Phenylethynyl)Mercury. <i>Inorganic Syntheses</i> , 0, , 142-146.   | 0.3 | 0         |
| 85 | 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         |