

# Alan J Lough

## List of Publications by Year in descending order

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193  
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| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Amine(imine)diphosphine Iron Catalysts for Asymmetric Transfer Hydrogenation of Ketones and Imines. <i>Science</i> , 2013, 342, 1080-1083.  | 6.0 | 454       |
| 2  | Highly Efficient Catalyst Systems Using Iron Complexes with a Tetradentate PNNP Ligand for the Asymmetric Hydrogenation of Polar Bonds. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 940-943.   | 7.2 | 324       |
| 3  | Catalytic Cycle for the Asymmetric Hydrogenation of Prochiral Ketones to Chiral Alcohols: A Direct Hydride and Proton Transfer from Chiral Catalyststrans-Ru(H) <sub>2</sub> (diphosphine)(diamine) to Ketones and Direct Addition of Dihydrogen to the Resulting Hydridoamido Complexes. <i>Journal of the American Chemical Society</i> , 2001, 123, 7473-7474. | 6.6 | 284       |
| 4  | Iron(II) Complexes Containing Unsymmetrical Pâ€“Nâ€“Pincer Ligands for the Catalytic Asymmetric Hydrogenation of Ketones and Imines. <i>Journal of the American Chemical Society</i> , 2014, 136, 1367-1380.  | 6.6 | 278       |
| 5  | Osmium and Ruthenium Catalysts for Dehydrogenation of Alcohols. <i>Organometallics</i> , 2011, 30, 3479-3482.   | 1.1 | 265       |
| 6  | Efficient Asymmetric Transfer Hydrogenation of Ketones Catalyzed by an Iron Complex Containing a Pâ€“Nâ€“P Tetradentate Ligand Formed by Template Synthesis. <i>Journal of the American Chemical Society</i> , 2009, 131, 1394-1395.  | 6.6 | 263       |
| 7  | Rhodium-catalyzed formation of boronâ€“nitrogen bonds: a mild route to cyclic aminoboranes and borazines. <i>Chemical Communications</i> , 2001, , 962-963.   | 2.2 | 233       |
| 8  | Dihydrogen with Frequency of Motion Near the 1H Larmor Frequency. Solid-State Structures and Solution NMR Spectroscopy of Osmium Complexestrans-[Os(Hâ€“H)X(PPh <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> PPh <sub>2</sub> ) <sub>2</sub> ]+ (X = Cl, Br). <i>Journal of the American Chemical Society</i> , 1996, 118, 5396-5407.                             | 6.6 | 231       |
| 9  | Rhodium-Catalyzed Formation of Phosphorus-Boron Bonds: Synthesis of the First High Molecular Weight Poly(phosphinoborane). <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3321-3323.  | 7.2 | 174       |
| 10 | The Mechanism of Efficient Asymmetric Transfer Hydrogenation of Acetophenone Using an Iron(II) Complex Containing an (<i>S</i>,<i>S</i>)-Ph<sub>2</sub>PCH<sub>2</sub>CHâ€“NCHPhCHPhNâ€“CHCH<sub>2</sub>PPh<sub>2</sub> Ligand: Partial Ligand Reduction Is the Key. <i>Journal of the American Chemical Society</i> , 2012, 134, 12266-12280.                    | 6.6 | 174       |
| 11 | Iron(II) Complexes for the Efficient Catalytic Asymmetric Transfer Hydrogenation of Ketones. <i>Chemistry - A European Journal</i> , 2009, 15, 5605-5610.   | 1.7 | 169       |
| 12 | The synthesis and exchange chemistry of frustrated Lewis pairâ€“nitrous oxide complexes. <i>Chemical Science</i> , 2011, 2, 170-176.  | 3.7 | 163       |
| 13 | Low-Valent Eneâ€“Amido Iron Complexes for the Asymmetric Transfer Hydrogenation of Acetophenone without Base. <i>Journal of the American Chemical Society</i> , 2011, 133, 9662-9665.   | 6.6 | 159       |
| 14 | Synthesis, Electronic Structure, and Novel Reactivity of Strained, Boron-Bridged [1]Ferrocenophanes. <i>Journal of the American Chemical Society</i> , 2000, 122, 5765-5774.  | 6.6 | 158       |
| 15 | Reactions of phosphorus/boron frustrated Lewis pairs with SO<sub>2</sub>. <i>Chemical Science</i> , 2013, 4, 213-219.   | 3.7 | 150       |
| 16 | Ruthenium Dihydride RuH <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ((R,R)-cyclohexyldiamine) and Ruthenium Monohydride RuHCl(PPh <sub>3</sub> ) <sub>2</sub> ((R,R)-cyclohexyldiamine): A Active Catalyst and Catalyst Precursor for the Hydrogenation of Ketones and Imines. <i>Organometallics</i> , 2000, 19, 2655-2657.                                    | 1.1 | 136       |
| 17 | Synthesis and Characterization of Iron(II) Complexes with Tetradentate Diiminodiphosphine or Diaminodiphosphine Ligands as Precatalysts for the Hydrogenation of Acetophenone. <i>Inorganic Chemistry</i> , 2009, 48, 735-743.  | 1.9 | 129       |
| 18 | Synthesis, Reactivity, and Ring-Opening Polymerization (ROP) of Tin-Bridged [1]Ferrocenophanes. <i>Chemistry - A European Journal</i> , 1998, 4, 2117-2128.   | 1.7 | 122       |

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|----|--|------|-----------|
| 19 | Stereoelectronic Factors in Iron Catalysis: Synthesis and Characterization of Aryl-Substituted Iron(II) Carbonyl $\sigma$ -Nâ€“Nâ€“P Complexes and Their Use in the Asymmetric Transfer Hydrogenation of Ketones. <i>Organometallics</i> , 2011, 30, 4418-4431.  | 1.1  | 115       |
| 20 | Thermal and Transition-Metal-Catalyzed Ring-Opening Polymerization (ROP) of [1]Silaferrocenophanes with Chlorine Substituents at Silicon:â€“ A Route to Tunable Poly(ferrocenylsilanes). <i>Organometallics</i> , 1996, 15, 1972-1978.   | 1.1  | 97        |
| 21 | Synthesis and Ring-Opening Polymerization of Highly Strained, Ring-Tilted [2]Ruthenocenophanes. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 989-991.   | 4.4  | 89        |
| 22 | Dihydrogen Activation by B( <i>i</i> -C <sub>6</sub> F <sub>4</sub> H) <sub>3</sub> and Phosphines. <i>Organometallics</i> , 2010, 29, 3647-3654.  | 1.1  | 87        |
| 23 | Very Soft Chemistry: Room Temperature Self-Assembly of (DABCOH) <sub>2</sub> Sn <sub>3</sub> S <sub>7</sub> , a Microporous Layered Tin(IV) Sulfide. <i>Advanced Materials</i> , 1998, 10, 42-46.  | 11.1 | 80        |
| 24 | Asymmetric Hydrogenation of Ketones Catalyzed by Ruthenium Hydride Complexes of a Beta-aminophosphine Ligand Derived from Norephedrine. <i>Organometallics</i> , 2004, 23, 5524-5529.  | 1.1  | 80        |
| 25 | Unsymmetrical Iron $\sigma$ -NHâ€“ $\sigma$ Catalysts for the Asymmetric Pressure Hydrogenation of Aryl Ketones. <i>Chemistry - A European Journal</i> , 2017, 23, 7212-7216.  | 1.7  | 80        |
| 26 | Synthesis, Structure, and Properties of the Stable and Highly Acidic Dihydrogen Complex $\text{trans-[Os}(\eta\text{-}^2\text{-H}_2\text{)(CH}_3\text{CN)(dppe)}_2\text{](BF}_4\text{)}_2$ . Perspectives on the Influence of the $\text{trans}$ Ligand on the Chemistry of the Dihydrogen Ligand. <i>Organometallics</i> , 1996, 15, 2270-2278. | 1.1  | 76        |
| 27 | Condensation-Driven Assembly of Boron-Containing Bis(Heteroaryl) Motifs Using a Linchpin Approach. <i>Organic Letters</i> , 2015, 17, 5594-5597.   | 2.4  | 75        |
| 28 | Dihydrogen Thiolate vs Hydride Thiol:â€“ Reactivity of the Series of Complexes $\text{MH}(\text{CO})(\text{L})(\text{PPh}_3)_2$ (M = Ru,) $\text{Tj ETQq0 0 0 rgBT /Overlock 1}$ $[\text{Os}(\text{CO})(\eta\text{-}^2\text{-Spy})(\text{SpyH})(\text{PPh}_3)]_2[\text{BF}_4]_2$ . <i>Organometallics</i> , 1996, 15, 4423-4436.                 | 1.1  | 74        |
| 29 | Thermal Ring-Opening Polymerization of Hydrocarbon-Bridged [2]Ferrocenophanes: Synthesis and Properties of Poly(ferrocenylethylene)s and Their Charge-Transfer Polymer Salts with Tetracyanoethylene. <i>Chemistry - A European Journal</i> , 1997, 3, 573-584.  | 1.7  | 73        |
| 30 | Generation of Highly Enantioselective Catalysts from the Pseudoenantiomeric Assembly of BINOL, F8BINOL, and $\text{Ti}(\text{OiPr})_4$ . <i>Journal of the American Chemical Society</i> , 2001, 123, 3850-3851.   | 6.6  | 72        |
| 31 | Tuning the Strain and Polymerizability of Organometallic Rings:â€“ The Synthesis, Structure, and Ring-Opening Polymerization Behavior of [2]Ferrocenophanes with $\sigma$ -Si, $\sigma$ -P, and $\sigma$ -S Bridges. <i>Journal of the American Chemical Society</i> , 2001, 123, 2116-2126.   | 6.6  | 71        |
| 32 | Details of the Mechanism of the Asymmetric Transfer Hydrogenation of Acetophenone Using the Amine(imine)diphosphine Iron Precatalyst: The Base Effect and The Enantiodetermining Step. <i>ACS Catalysis</i> , 2016, 6, 301-314.  | 5.5  | 66        |
| 33 | Synthesis of Iron P-N- $\sigma$ and P-NH- $\sigma$ Asymmetric Hydrogenation Catalysts. <i>Organometallics</i> , 2014, 33, 6452-6465.   | 1.1  | 62        |
| 34 | Use of the new ligand $\text{P}(\text{CH}_2\text{CH}_2\text{PCy}_2)_3$ in the synthesis of dihydrogen complexes of iron(II) and ruthenium(II). <i>Organometallics</i> , 1993, 12, 906-916.   | 1.1  | 61        |
| 35 | Alkenylboronate Tethered Intramolecular Diels-â€“Alder Reactions. <i>Journal of the American Chemical Society</i> , 1999, 121, 450-451.  | 6.6  | 61        |
| 36 | Soluble Poly(ferrocenylenevinylene) with <i>i</i> -Butyl Substituents on the Cyclopentadienyl Ligands via Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2008, 41, 539-547.   | 2.2  | 58        |

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|----|--|------|-----------|
| 37 | Template Syntheses of Iron(II) Complexes Containing Chiral Pâ~Nâ~Nâ~P and Pâ~Nâ~N Ligands. Inorganic Chemistry, 2008, 47, 6587-6589.   | 1.9  | 54        |
| 38 | Synthesis and Structure of the Chiral Dihydrogen Complextrans-[Ru(Î-2-H2)H(R,Râ€-Me-DuPHOS)2]PF6and the Dinitrogen Complextrans-[Ru(N2)H(R,Râ€-Me-DuPHOS)2]PF6(R,Râ€-Me-DuPHOS =) Tj ETQq0 0 0 rgBT /Overlook 10 Tf 50 697 Td (  | 1.1  | 46        |
| 39 | Enhanced electron mobility in crystalline thionated naphthalene diimides. Journal of Materials Chemistry C, 2015, 3, 11505-11515.  | 2.7  | 47        |
| 40 | Synthesis and Structural Characterization of the First Copper(I) Complexes with Bis(imino)-N-heterocyclic Carbene NCN Pincer Ligands. Organometallics, 2010, 29, 3133-3138.  | 1.1  | 46        |
| 41 | Spectroscopic and DFT Study of Ferraaziridine Complexes Formed in the Transfer Hydrogenation of Acetophenone Catalyzed Using trans-[Fe(CO)(NCMe)(PPh<sub>2</sub>C<sub>6</sub>H<sub>4</sub>CHâ•NCH<sub>2</sub>â) <sub>2</sub>]PF<sub>6</sub>. Organometallics, 2012, 31, 3056-3064. | 1.1  | 46        |
| 42 | Hydridic Rhenium Nitrosyl Complexes with Pincer-Type PNP Ligands. Organometallics, 2007, 26, 3509-3515.  | 1.1  | 45        |
| 43 | Ligand effects on the structures of Rh6(CO)15L clusters. Dalton Transactions RSC, 2001, , 2015-2019.   | 2.3  | 43        |
| 44 | Electroâ€Optic Modulation in Hybrid Metal Halide Perovskites. Advanced Materials, 2019, 31, e1808336.  | 11.1 | 42        |
| 45 | Synthesis, Characterization, and Properties of Symmetrically Substituted, Ring-Opened Poly(ferrocenylalkoxy/aryloxysilanes). Macromolecules, 1998, 31, 5977-5983.  | 2.2  | 41        |
| 46 | Organizing Chain Structures by Use of Protonâ~Hydride Bonding. The Single-Crystal X-ray Diffraction Structures of [K(Q)][Os(H)5(PiPr3)2] and [K(Q)][Ir(H)4(PiPr3)2], Q = 18-Crown-6 and 1,10-Diaza-18-crown-6. Journal of the American Chemical Society, 1998, 120, 11826-11827.   | 6.6  | 41        |
| 47 | Protonation Reactions oftrans-M(H)(SPh)(dppe)2(M = Ru, Os) To Give Thiol and Dihydrogen Complexes. X-ray Crystal Structure Determination oftrans-Ru(H)(SPh)(dppe)2andtrans-[Os(H)(O2)(dppe)2](O3SCF3). Inorganic Chemistry, 1998, 37, 1555-1562.                                   | 1.9  | 41        |
| 48 | Amino Acid Chirality and Ferrocene Conformation Guided Selfâ€Assembly and Gelation of Ferroceneâ€Peptide Conjugates. Chemistry - A European Journal, 2015, 21, 11560-11572.  | 1.7  | 40        |
| 49 | Template Synthesis of Iron(II) Complexes Containing Tridentate Pâ~Nâ~S, Pâ~Nâ~P, Pâ~Nâ~N, and Tetradentate Pâ~Nâ~Nâ~P Ligands. Inorganic Chemistry, 2010, 49, 1094-1102.   | 1.9  | 39        |
| 50 | Rigid Conjugated Diamine Templates for Stable Dionâ€Jacobson-Type Two-Dimensional Perovskites. Journal of the American Chemical Society, 2021, 143, 19901-19908.   | 6.6  | 39        |
| 51 | Synthese und Ringâ€ffnungspolymerisation hochgespannter [2]Ruthenocenophane. Angewandte Chemie, 1994, 106, 1019-1021.  | 1.6  | 38        |
| 52 | A Mechanistic Study of Halogen Addition and Photoelimination from Î€-Conjugated Tellurophenes. Journal of the American Chemical Society, 2016, 138, 2678-2689.   | 6.6  | 38        |
| 53 | Synthesis, structure and polymerization behaviour of borane adducts of a phosphorus-bridged [1]ferrocenophane, [(Î-C5H4)2FePPh]. New Journal of Chemistry, 2000, 24, 447-453.  | 1.4  | 37        |
| 54 | Observations regarding the crystal structures of non-halogenated phenoxyboronsubphthalocyanines having para substituents on the phenoxy group. CrystEngComm, 2011, 13, 914-919.  | 1.3  | 37        |

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|----|---|-----|-----------|
| 55 | Synthesis, structural and conformational analysis of a 3 Å– 3 isomer grid based on nine methyl-N-(pyridyl)benzamides. <i>CrystEngComm</i> , 2010, 12, 3080.   | 1.3 | 35        |
| 56 | Contrasting the Reactivity of Ethylene and Propylene with P/Al and P/B Frustrated Lewis Pairs. <i>Organometallics</i> , 2013, 32, 6759-6763.  | 1.1 | 35        |
| 57 | Enantioselective Hydrogenation of Activated Aryl Imines Catalyzed by an Iron(II) P-NH-Pâ€² Complex. <i>Journal of Organic Chemistry</i> , 2019, 84, 12040-12049.  | 1.7 | 35        |
| 58 | The First Sulfur(VI)â€“Nitrogenâ€“Phosphorus Macrocycles. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 998-1001.   | 4.4 | 33        |
| 59 | Synthese und Struktur des ersten [1]Ferrocenophans mit Schwefel als BrÃ¼ckenatom. <i>Angewandte Chemie</i> , 1995, 107, 1633-1635.  | 1.6 | 32        |
| 60 | Reaction of a Stable Silylene with Divalent Group 14 Compounds. <i>European Journal of Inorganic Chemistry</i> , 1998, 1998, 1067-1070.   | 1.0 | 31        |
| 61 | The mixed alloyed chemical composition of chloro-(chloro)-boron subnaphthalocyanines dictates their physical properties and performance in organic photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9566-9577.  | 5.2 | 31        |
| 62 | From imine to amine: an unexpected left turn. Cis-Î² iron( <sup>II</sup> ) PNNPâ€² precatalysts for the asymmetric transfer hydrogenation of acetophenone. <i>Chemical Science</i> , 2017, 8, 6531-6541.  | 3.7 | 31        |
| 63 | Synthesis and properties of iron-group hydrido-cyano complexes trans-[MH(CN)(L)2], Mâ€“...=â€“...Fe, Ru or Os, Lâ€“...=â€“...diphosphine, and their hydrogen, trifluoroboron and triphenylboron isocyanide derivatives of the type trans-[MH(CNH)(L)2]O3SCF3, trans-[MH(CNBX3)(L)2], Xâ€“...=â€“...F or Ph, and trans-[M(H2)(CNBF3)(dppp)2]BF4 [dpppâ€“...=â€“...Ph2P(CH2)3PPh2]. <i>Dalton Transactions RSC</i> , 2000, , 3591-3602. | 2.3 | 30        |
| 64 | A role for Î“â€“Br interactions in the solid-state molecular packing of para-halo-phenoxy-boronsubphthalocyanines. <i>CrystEngComm</i> , 2011, 13, 3653.  | 1.3 | 30        |
| 65 | Synthesis and novel reactivity of platinum phosphineâ€“borane complexes trans-[PtH(PPhRâˆ—BH3)(PEt3)2] (R = H, Ph). <i>Chemical Communications</i> , 2000, , 1041-1042.   | 2.2 | 29        |
| 66 | Crystal and Solid-State Arrangement Trends of Halogenated Boron Subphthalocyanines. <i>Crystal Growth and Design</i> , 2014, 14, 2138-2147.   | 1.4 | 29        |
| 67 | 1,3-Calix[4]arene Crown Ether Conformers with a 3-Thienyl Pendant Functionality at the Lower Rim. <i>Journal of Organic Chemistry</i> , 1999, 64, 5876-5885.  | 1.7 | 26        |
| 68 | Synthesis and Structure of a Hypercoordinate Silicon-Bridged [1]Ferrocenophane. <i>Organometallics</i> , 2000, 19, 2826-2828.   | 1.1 | 26        |
| 69 | Eight rare earth metal organic frameworks and coordination polymers from 2-nitroterephthalate: syntheses, structures, solid-state luminescence and an unprecedented topology. <i>New Journal of Chemistry</i> , 2016, 40, 7338-7349.  | 1.4 | 23        |
| 70 | Redetermination of the crystal structure of boron subphthalocyanine chloride (Cl-BsubPc) enabled by slow train sublimation. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2016, 72, 297-307.  | 0.2 | 23        |
| 71 | Preparation of chiral Î±-monofluoroalkylphosphonic acids and their evaluation as inhibitors of protein tyrosine phosphatase 1B. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 1271-1281.  | 1.3 | 22        |
| 72 | New cyclic phosphonium salts derived from the reaction of phosphine-aldehydes with acid. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1824-1830.   | 0.8 | 22        |

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|----|---|-----|-----------|
| 73 | A Ferrocene-tryptophan conjugate: The Role of the Indolic Nitrogen in Supramolecular Assembly. <i>ChemPlusChem</i> , 2017, 82, 1282-1289.   | 1.3 | 22        |
| 74 | Iridium and Rhodium Complexes Containing Enantiopure Primary Amine-Tethered N-Heterocyclic Carbenes: Synthesis, Characterization, Reactivity, and Catalytic Asymmetric Hydrogenation of Ketones. <i>Organometallics</i> , 2018, 37, 491-504.  | 1.1 | 22        |
| 75 | Chelation Kinetics of Bidentate Phosphine Ligands on Pentacoordinate Ruthenium Carbonyl Complexes. <i>Organometallics</i> , 2000, 19, 3674-3682.  | 1.1 | 20        |
| 76 | Wurtz Coupling of Perfluorinated Dichlorostannanes. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2010, 20, 544-553.  | 1.9 | 20        |
| 77 | Halogen bonds can direct the solid state arrangement of phenoxy-boron subphthalocyanines. <i>CrystEngComm</i> , 2013, 15, 3187.   | 1.3 | 20        |
| 78 | UV-Curable Contact Active Benzophenone Terminated Quaternary Ammonium Antimicrobials for Applications in Polymer Plastics and Related Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27491-27503.  | 4.0 | 20        |
| 79 | A novel and convenient route to ring-opened poly(ferrocenylsilanes) with alkoxy, aryloxy, and amino substituents at silicon. <i>Macromolecular Rapid Communications</i> , 1997, 18, 953-959.  | 2.0 | 19        |
| 80 | Simple Modular Synthetic Approaches to Asymmetric NN <sup>2</sup> N <sup>2</sup> , NN <sup>2</sup> C, or NN <sup>2</sup> P-Type Amido Pincer Ligands: Synthesis, Characterisation, and Preliminary Ligation Studies. <i>Synthesis</i> , 2016, 48, 2121-2129.  | 1.2 | 19        |
| 81 | [[ReH <sub>2</sub> (PMePh <sub>2</sub> ) <sub>2</sub> ] <sub>2</sub> ( $\eta^4$ -H) <sub>3</sub> ]-: The First Member of a New Class of Anionic Polyhydride Dimers [Re <sub>2</sub> H <sub>7</sub> L <sub>4</sub> ]-. <i>Inorganic Chemistry</i> , 2001, 40, 2480-2481.   | 1.9 | 18        |
| 82 | Experimental and Theoretical Studies of the Potential Interconversion of the Amine-borane $\text{Pr}_2\text{NH}\cdot\text{BH}(\text{C}_6\text{F}_5)_2$ and the Aminoborane $\text{Pr}_2\text{N}=\text{B}(\text{C}_6\text{F}_5)_2$ Involving Hydrogen Loss and Uptake. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5279-5287. | 1.0 | 18        |
| 83 | Exploring the decomposition pathways of iron asymmetric transfer hydrogenation catalysts. <i>Dalton Transactions</i> , 2015, 44, 12119-12127.   | 1.6 | 18        |
| 84 | The influence of strong and weak hydrogen bonds on the solid state arrangement of hydroxy-containing boron subphthalocyanines. <i>CrystEngComm</i> , 2013, 15, 8578.  | 1.3 | 17        |
| 85 | Reduction of C,O-chelated organotin(IV) dichlorides and dihydrides leading to protected polystannanes. <i>Journal of Organometallic Chemistry</i> , 2015, 776, 180-191.   | 0.8 | 17        |
| 86 | Spin-crossover in a homoleptic cobalt(II) complex containing a redox-active NNO ligand. <i>Journal of Materials Chemistry C</i> , 2016, 4, 455-459.   | 2.7 | 17        |
| 87 | Structures and conformational analysis of a 3 Å <sup>3</sup> isomer grid of nine N-(fluorophenyl)pyridinecarboxamides. <i>CrystEngComm</i> , 2011, 13, 1899-1909.   | 1.3 | 16        |
| 88 | Preparation of (Z)-1,2-dichloroalkenes from terminal alkynes. <i>Canadian Journal of Chemistry</i> , 2012, 90, 625-630.   | 0.6 | 15        |
| 89 | Proof of Concept Studies Directed Towards Designed Molecular Wires: Property-Driven Synthesis of Air and Moisture-Stable Polystannanes. <i>Chemistry - A European Journal</i> , 2017, 23, 14367-14374.  | 1.7 | 14        |
| 90 | Evaluation of an external initiating Ni(II) diimine catalyst for electron-deficient $\beta$ -conjugated polymers. <i>Polymer Chemistry</i> , 2017, 8, 4108-4113.  | 1.9 | 14        |

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|-----|---|-----|-----------|
| 91  | Halogen bonding and $\pi$ - $\pi$ interactions in the solid-state structure of a butadiynylene-linked bis(iodoperfluoroarene). <i>CrystEngComm</i> , 2013, 15, 3097.  | 1.3 | 13        |
| 92  | Amido-pincer complexes of Cu(II): Synthesis, coordination chemistry and applications in catalysis. <i>Journal of Organometallic Chemistry</i> , 2017, 845, 107-114.   | 0.8 | 13        |
| 93  | Polynuclear $Cu_4L_4$ Copper(II) Aminyl Radical Coordination Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 4837-4840.   | 1.9 | 13        |
| 94  | Permanently porous hydrogen-bonded frameworks of rod-like thiophenes, selenophenes, and tellurophenes capped with MIDA boronates. <i>Dalton Transactions</i> , 2016, 45, 9754-9757.   | 1.6 | 12        |
| 95  | Dechlorinated Analogues of Dechlorane Plus. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5619-5624.  | 4.6 | 12        |
| 96  | $PNN_2$ & $P_2NN_2$ ligands <i>via</i> reductive amination with phosphine aldehydes: synthesis and base-metal coordination chemistry. <i>Dalton Transactions</i> , 2019, 48, 2150-2159.                                     | 1.6 | 12        |
| 97  | Synthesis, characterization and thermolysis of phosphinite-borane adducts: investigation of an unusual thermally-induced phenol elimination reaction. <i>Dalton Transactions RSC</i> , 2002, , 2966-2972.                   | 2.3 | 11        |
| 98  | Tautomerism and metal complexation of 2-acylmethyl-2-oxazolines: a combined synthetic, spectroscopic, crystallographic and theoretical treatment. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3484.               | 1.5 | 11        |
| 99  | Metal coordination of ferrocene-histidine conjugates. <i>Dalton Transactions</i> , 2017, 46, 4844-4859.   | 1.6 | 11        |
| 100 | Molecular lemmings: strategies to avoid when designing BODIPY ferrocene dyads for dye-sensitized solar cell applications. <i>Dalton Transactions</i> , 2018, 47, 4916-4920.   | 1.6 | 11        |
| 101 | Confirmation of the Structure of <i>Trans</i> -Cyclic Azobenzene by X-Ray Crystallography and Spectroscopic Characterization of Cyclic Azobenzene Analogs. <i>ChemistrySelect</i> , 2018, 3, 2697-2701.                     | 0.7 | 11        |
| 102 | Reversible Solution Dimerization and Long Multicenter Bonding in a Stable Phenoxy Radical. <i>Chemistry - A European Journal</i> , 2018, 24, 14906-14910.   | 1.7 | 11        |
| 103 | Hypercoordinated organotin(IV) compounds containing C,O- and C,N- chelating ligands: Synthesis, characterisation, DFT studies and polymerization behaviour. <i>Journal of Organometallic Chemistry</i> , 2019, 900, 120910. | 0.8 | 10        |
| 104 | Synthesis and Biochemical Evaluation of Nicotinamide Derivatives as NADH Analogue Coenzymes in Ene Reductase. <i>ChemBioChem</i> , 2019, 20, 838-845.   | 1.3 | 10        |
| 105 | Hydrogen Bond Assisted $l$ to $d$ Conversion of $\alpha$ -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4335-4339.  | 7.2 | 10        |
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