

Claire Wilson

List of Publications by Year in descending order

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312
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times ranked

12140
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Exceptional Thermal Stability in a Supramolecular Organic Framework: Porosity and Gas Storage. <i>Journal of the American Chemical Society</i> , 2010, 132, 14457-14469. | 6.6 | 369 |
| 2 | A Porous Framework Polymer Based on a Zinc(II) 4,4'-Bipyridine-2,6,2',6'-tetracarboxylate: Synthesis, Structure, and Zeolite-Like Behaviors. <i>Journal of the American Chemical Society</i> , 2006, 128, 10745-10753. | 6.6 | 296 |
| 3 | Reduction and selective oxo group silylation of the uranyl dication. <i>Nature</i> , 2008, 451, 315-317. | 13.7 | 257 |
| 4 | Lanthanum Coordination Networks Based on Unusual Five-Connected Topologies. <i>Journal of the American Chemical Society</i> , 2001, 123, 3401-3402. | 6.6 | 230 |
| 5 | Twelve-connected porous metal-organic frameworks with high H ₂ adsorption. <i>Chemical Communications</i> , 2007, , 840-842. | 2.2 | 219 |
| 6 | Asymmetric lithium(i) and copper(ii) alkoxy-N-heterocyclic carbene complexes; crystallographic characterisation and Lewis acid catalysis Electronic supplementary information (ESI) available: full synthetic and structural details. See http://www.rsc.org/suppdata/cc/b4/b404614e/ . <i>Chemical Communications</i> , 2004, , 1612. | 2.2 | 213 |
| 7 | Multi-modal bridging ligands; effects of ligand functionality, anion and crystallisation solvent in silver(I) co-ordination polymers. <i>Dalton Transactions RSC</i> , 2000, , 3811-3819. | 2.3 | 184 |
| 8 | Anionic Amido N-Heterocyclic Carbenes: Synthesis of Covalently Tethered Lanthanide Carbene Complexes. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5981-5984. | 7.2 | 179 |
| 9 | Non-Natural Eight-Connected Solid-State Materials: A New Coordination Chemistry. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1851-1854. | 7.2 | 176 |
| 10 | Insight into D _{6h} Symmetry: Targeting Strong Axiality in Stable Dysprosium(III) Hexagonal Bipyramidal Single-Ion Magnets. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14146-14151. | 7.2 | 166 |
| 11 | Unprecedented Seven- and Eight-Connected Lanthanide Coordination Networks. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2443-2447. | 7.2 | 162 |
| 12 | Assembly and Processing of Hydrogen Bond Induced Supramolecular Nanostructures. <i>Nano Letters</i> , 2003, 3, 9-12. | 4.5 | 162 |
| 13 | Synthesis of benzimidazoles in high-temperature water This work was presented at the Green Solvents for Catalysis Meeting held in Bruchsal, Germany, 13-16th October 2002. Electronic supplementary information (ESI) available: analytical data for compounds 3a-f and 5g-j. See http://www.rsc.org/suppdata/gc/b2/b212394kl . <i>Green Chemistry</i> , 2003, 5, 187-192. | 4.6 | 161 |
| 14 | Modulation of the electronic structure and the Ni-Fe distance in heterobimetallic models for the active site in [NiFe]hydrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18280-18285. | 3.3 | 158 |
| 15 | Anion Control over Interpenetration and Framework Topology in Coordination Networks Based on Homoleptic Six-Connected Scandium Nodes. <i>Chemistry - A European Journal</i> , 2005, 11, 1384-1391. | 1.7 | 157 |
| 16 | Chelating alkoxy-N-heterocyclic carbene complexes of silver and copper. <i>Chemical Communications</i> , 2001, , 2340-2341. | 2.2 | 150 |
| 17 | C ₃ -Symmetric Lanthanide Tris(alkoxide) Complexes Formed by Preferential Complexation and Their Stereoselective Polymerization of rac-lactide. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6033-6036. | 7.2 | 150 |
| 18 | A Thermal Spin Transition in [Co(bpy)3][LiCr(ox)3] (ox=C ₂ O ₄ ²⁻ ; bpy=2,2'-bipyridine). <i>Chemistry - A European Journal</i> , 2000, 6, 361-368. | 1.7 | 144 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Tetranuclear Copper(II) and Nickel(II) Cluster Complexes Derived by Self-Assembly from a Series of Tetradentate Diazine Ligands: A Structural and Magnetic Studies. <i>Inorganic Chemistry</i> , 1999, 38, 5266-5276. | 1.9 | 142 |
| 20 | Pushing the limits of magnetic anisotropy in trigonal bipyramidal Ni(II). <i>Chemical Science</i> , 2015, 6, 6823-6828. | 3.7 | 136 |
| 21 | Structural isomerism in CuSCN coordination polymers. <i>Chemical Communications</i> , 2002, , 1640-1641. | 2.2 | 130 |
| 22 | Selective Oxo Functionalization of the Uranyl Ion with 3d Metal Cations. <i>Journal of the American Chemical Society</i> , 2006, 128, 9610-9611. | 6.6 | 130 |
| 23 | Constructing Terbium Co-ordination Polymers of 4,4'-Bipyridine-N,N'-dioxide by Means of Diffusion Solvent Mixtures. <i>Chemistry - A European Journal</i> , 2002, 8, 2026-2033. | 1.7 | 129 |
| 24 | Columnar Mesomorphism from Hemi-Disklike Metallomesogens Derived from 2,6-Bis[3-(2,4,5-tri(alkoxy)phenyliminomethyl)pyridines (L): Crystal and Molecular Structures of [M(L)Cl ₂] (M=Mn, Ni, Zn). <i>Chemistry - A European Journal</i> , 2003, 9, 2484-2501. | 1.7 | 127 |
| 25 | Novel Metal-Organic Frameworks Derived from Group II Metal Cations and Aryldicarboxylate Anionic Ligands. <i>Crystal Growth and Design</i> , 2008, 8, 911-922. | 1.4 | 122 |
| 26 | Bent metal carbene geometries in amido N-heterocyclic carbene complexes. <i>Chemical Communications</i> , 2004, , 2738. | 2.2 | 118 |
| 27 | Selective CO ₂ uptake and inverse CO ₂ /C ₂ H ₂ selectivity in a dynamic bifunctional metal-organic framework. <i>Chemical Science</i> , 2012, 3, 2993. | 3.7 | 117 |
| 28 | Triggered Ligand Release Coupled to Framework Rearrangement: Generating Crystalline Porous Coordination Materials. <i>Inorganic Chemistry</i> , 2006, 45, 8838-8840. | 1.9 | 116 |
| 29 | Single-Crystal to Single-Crystal Mechanical Contraction of Metal-Organic Frameworks through Stereoselective Postsynthetic Bromination. <i>Journal of the American Chemical Society</i> , 2015, 137, 9527-9530. | 6.6 | 110 |
| 30 | A phenoxyl radical complex of copper(II). <i>Chemical Communications</i> , 2001, , 1824-1825. | 2.2 | 107 |
| 31 | Stereoselective Association of Binuclear Metallacycles in Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2003, 125, 6753-6761. | 6.6 | 106 |
| 32 | Uranyl Complexation by a Schiff-Base, Polypyrrrolic Macrocycle. <i>Inorganic Chemistry</i> , 2004, 43, 8206-8208. | 1.9 | 100 |
| 33 | Systematic and Controllable Negative, Zero, and Positive Thermal Expansion in Cubic Zr _{1-x} Sn _x Mo ₂ O ₈ . <i>Journal of the American Chemical Society</i> , 2013, 135, 12849-12856. | 6.6 | 99 |
| 34 | A phenol-imidazole pro-ligand that can exist as a phenoxyl radical, alone and when complexed to copper(II) and zinc(II). <i>Dalton Transactions</i> , 2003, , 1975-1985. | 1.6 | 98 |
| 35 | Thermally stable potassium N-heterocyclic carbene complexes with alkoxide ligands, and a polymeric crystal structure with distorted, bridging carbenes. <i>Chemical Communications</i> , 2005, , 1743. | 2.2 | 98 |
| 36 | Dioxygen Reduction at Dicobalt Complexes of a Schiff Base Calixpyrrole Ligand. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 584-586. | 7.2 | 95 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Water Superstructures within Organic Arrays; Hydrogen-Bonded Water Sheets, Chains and Clusters. <i>Chemistry - A European Journal</i> , 2005, 11, 4643-4654. | 1.7 | 93 |
| 38 | Using multimodal ligands to influence network topology in silver(I) coordination polymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4905-4910. | 3.3 | 87 |
| 39 | A biporous coordination framework with high H ₂ storage density. <i>Chemical Communications</i> , 2008, , 359-361. | 2.2 | 84 |
| 40 | Multi-Dimensional Transition-Metal Coordination Polymers of 4,4'-Bipyridine- <i>N,N</i> -dioxide: 1D Chains and 2D Sheets. <i>Inorganic Chemistry</i> , 2008, 47, 8652-8664. | 1.9 | 84 |
| 41 | Self-Assembly of Metal-Organic Coordination Polymers Constructed from a Bent Dicarboxylate Ligand: Diversity of Coordination Modes, Structures, and Gas Adsorption. <i>Inorganic Chemistry</i> , 2009, 48, 11067-11078. | 1.9 | 84 |
| 42 | Discrete molecular and extended polymeric copper(I) halide complexes of tetradentate thioether macrocycles. <i>Dalton Transactions RSC</i> , 2001, , 456-465. | 2.3 | 83 |
| 43 | Titanium(III) Alkoxy-N-heterocyclic Carbenes and a Safe, Low-Cost Route to TiCl ₃ (THF) ₃ . <i>Organometallics</i> , 2007, 26, 755-757. | 1.1 | 83 |
| 44 | Control of Copper(I) Iodide Architectures by Ligand Design: Angular versus Linear Bridging Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 6179-6187. | 1.9 | 82 |
| 45 | Phenoxy radicals: H-bonded and coordinated to Cu(II) and Zn(II). <i>Dalton Transactions</i> , 2006, , 258-267. | 1.6 | 79 |
| 46 | Tetravalent cerium carbene complexes. <i>Chemical Communications</i> , 2007, , 5037. | 2.2 | 79 |
| 47 | To bend or not to bend – are heteroatom interactions within conjugated molecules effective in dictating conformation and planarity?. <i>Materials Horizons</i> , 2016, 3, 333-339. | 6.4 | 78 |
| 48 | Functional Versatility of a Series of Zr Metal-Organic Frameworks Probed by Solid-State Photoluminescence Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 6253-6260. | 6.6 | 78 |
| 49 | Stereoselective Halogenation of Integral Unsaturated C=C Bonds in Chemically and Mechanically Robust Zr and Hf MOFs. <i>Chemistry - A European Journal</i> , 2016, 22, 4870-4877. | 1.7 | 77 |
| 50 | Unprecedented bilayer topologies in 5- and 6-connected framework polymers. <i>Chemical Communications</i> , 2004, , 1792-1793. | 2.2 | 76 |
| 51 | Macrocyclic diiminodipyrromethane complexes: structural analogues of Pac-Man porphyrins. <i>Chemical Communications</i> , 2003, , 2508-2509. | 2.2 | 75 |
| 52 | Synthesis and Small Molecule Reactivity of Uranium(IV) Alkoxide Complexes with both Bound and Pendant N-heterocyclic Carbene Ligands. <i>Chemistry - A European Journal</i> , 2005, 11, 6095-6099. | 1.7 | 75 |
| 53 | Anabolic steroids detected in bodybuilding dietary supplements – a significant risk to public health. <i>Drug Testing and Analysis</i> , 2015, 7, 609-618. | 1.6 | 75 |
| 54 | Multi-Temperature Crystallographic Studies of Mixed-Valence Polynuclear Complexes; Valence Trapping Process in the Trinuclear Oxo-Bridged Iron Compound, [Fe ₃ O(O ₂ CC(CH ₃) ₃) ₆ (C ₅ H ₅ N) ₃]. <i>Journal of the American Chemical Society</i> , 2000, 122, 11370-11379. | 6.6 | 73 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Using picosecond and nanosecond time-resolved infrared spectroscopy for the investigation of excited states and reaction intermediates of inorganic systems Based on the presentation given at Dalton Discussion No. 6, 9 th 11 th September 2003, University of York, UK.. Dalton Transactions, 2003, , 3996. | 1.6 | 73 |
| 56 | Synthesis, Structure, and Magnetism of a Series of Self-Assembled Polynuclear Mn(II), Co(II), and Cu(II) Cluster Complexes. Journal of Solid State Chemistry, 2001, 159, 308-320. | 1.4 | 72 |
| 57 | Rapid Two-Directional Synthesis of the F-J Fragment of the Gambieric Acids by Iterative Double Ring-Closing Metathesis. Angewandte Chemie - International Edition, 2005, 44, 6157-6162. | 7.2 | 72 |
| 58 | Self-assembled polymetallic square grids ([2 Å– 2] M4, [3 Å– 3] M9) and trigonal bipyramidal clusters (M5) structural and magnetic properties. Journal of Materials Chemistry, 2006, 16, 2645-2659. | 6.7 | 71 |
| 59 | Synthesis and NHC Lability of d0 Lithium, Yttrium, Titanium, and Zirconium Amido Bis(N-heterocyclic) Tj ETQq1 1 0,784314 rgBT /Overd | 1.1 | 71 |
| 60 | Cationic Assembly of Metal Complex Aggregates: Structural Diversity, Solution Stability, and Magnetic Properties. Journal of the American Chemical Society, 2003, 125, 9476-9483. | 6.6 | 69 |
| 61 | Chemical and <i>in silico</i> tuning of the magnetisation reversal barrier in pentagonal bipyramidal Dy(ⁱⁱⁱ) single-ion magnets. Chemical Communications, 2018, 54, 8273-8276. | 2.2 | 68 |
| 62 | A Concise and Stereoselective Synthesis of the A-Ring Fragment of the Gambieric Acids. Organic Letters, 2004, 6, 1773-1776. | 2.4 | 67 |
| 63 | Kinetic Resolution in a Bridgehead Lithiation Mediated by a Chiral Bis-lithium Amide: Assignment of the Absolute Configuration of Clusianone. Journal of Organic Chemistry, 2007, 72, 4265-4267. | 1.7 | 67 |
| 64 | A Concise Total Synthesis of (±)-Vigulariol. Angewandte Chemie - International Edition, 2007, 46, 437-440. | 7.2 | 65 |
| 65 | Phenolate and phenoxy radical complexes of Co(ii) and Co(iii). Dalton Transactions, 2004, , 3647. | 1.6 | 60 |
| 66 | Design and Synthesis of Binucleating Macrocyclic Clefs Derived from Schiff-Base Calixpyrroles. Chemistry - A European Journal, 2007, 13, 3707-3723. | 1.7 | 60 |
| 67 | Synthesis and structural characterisation of cadmium(II) and zinc(II) coordination polymers with an angular dipyriddy bridging ligand: parallel interpenetration of two-dimensional sheets with 4.82 topology. Dalton Transactions RSC, 2001, , 567-573. | 2.3 | 59 |
| 68 | Ligand Recognition Processes in the Formation of Homochiral C ₃ -Symmetric LnL ₃ Complexes of a Chiral Alkoxide. Chemistry - A European Journal, 2009, 15, 8241-8250. | 1.7 | 59 |
| 69 | Hydrogen-bonding interactions between linear bipyridinium cations and nitrate anions. CrystEngComm, 2002, 4, 483-495. | 1.3 | 58 |
| 70 | Kinetic Control of Interpenetration in Fe-Biphenyl-4,4'-dicarboxylate Metal-Organic Frameworks by Coordination and Oxidation Modulation. Journal of the American Chemical Society, 2019, 141, 8346-8357. | 6.6 | 58 |
| 71 | Silver alkoxide and amino N-heterocyclic carbenes; syntheses and crystal structures. Journal of Organometallic Chemistry, 2005, 690, 5710-5719. | 0.8 | 54 |
| 72 | Engineering macrocyclic high performance pentagonal bipyramidal Dy(ⁱⁱⁱ) single-ion magnets. Chemical Communications, 2020, 56, 12037-12040. | 2.2 | 54 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Solvent Control of Supramolecular Architectures Derived from 4,4'-Bipyridyl-Bridged Copper(II) Dipicolinate Complexes. <i>Crystal Growth and Design</i> , 2009, 9, 4685-4699. | 1.4 | 53 |
| 74 | Tuning the Selectivity/Specificity of Fluorescent Metal Ion Sensors Based on N2S2Pyridine-Containing Macrocyclic Ligands by Changing the Fluorogenic Subunit: A Spectrofluorimetric and Metal Ion Binding Studies. <i>Inorganic Chemistry</i> , 2007, 46, 4548-4559. | 1.9 | 52 |
| 75 | Controlled Assembly of Silver(I)-Pyridylfullerene Networks. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8013-8016. | 7.2 | 52 |
| 76 | Syntheses and Structures of Dinuclear Double-Stranded Helicates of Divalent Manganese, Iron, Cobalt, and Zinc. <i>Inorganic Chemistry</i> , 2006, 45, 636-643. | 1.9 | 51 |
| 77 | Organometallic Cerium Complexes from Tetravalent Coordination Complexes. <i>Helvetica Chimica Acta</i> , 2009, 92, 2291-2303. | 1.0 | 51 |
| 78 | 1,2-Bis(3-methyl-imidazolin-2-ylum iodobromoselenanide)ethane: Oxidative Addition of IBr at the Se Atom of a >C=Se Group. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4229-4232. | 7.2 | 50 |
| 79 | A novel synthetic strategy for hexanuclear supramolecular architectures Electronic supplementary information (ESI) available: synthesis and single crystal X-ray diffraction. See http://www.rsc.org/suppdata/cc/b3/b300605k/ . <i>Chemical Communications</i> , 2003, , 682-683. | 2.2 | 50 |
| 80 | The one-pot halomethylation of 5-substituted salicylaldehydes as convenient precursors for the preparation of heteroditopic ligands for the binding of metal salts. <i>Tetrahedron Letters</i> , 2006, 47, 8983-8987. | 0.7 | 50 |
| 81 | Boosting axiality in stable high-coordinate Dy(ⁱⁱⁱ) single-molecule magnets. <i>Chemical Communications</i> , 2019, 55, 5950-5953. | 2.2 | 50 |
| 82 | Redox Non-innocence of Thioether Macrocycles: Elucidation of the Electronic Structures of Mononuclear Complexes of Gold(II) and Silver(II). <i>Journal of the American Chemical Society</i> , 2006, 128, 13827-13839. | 6.6 | 49 |
| 83 | Preparation of cyclic ethers for polyether synthesis by catalytic ring-closing enyne metathesis of alkynyl ethers. <i>Tetrahedron</i> , 2002, 58, 1973-1982. | 1.0 | 48 |
| 84 | Molecular and Electronic Structures of One-Electron Oxidized Ni ^{II} -(Dithiosalicylidenediamine) Complexes: Ni ^{III} -Thiolate versus Ni ^{II} -Thiyl Radical States. <i>Chemistry - A European Journal</i> , 2008, 14, 2564-2576. | 1.7 | 48 |
| 85 | Copper(II) Complexes of a Series of Alkoxy Diazine Ligands: Mononuclear, Dinuclear, and Tetranuclear Examples with Structural, Magnetic, and DFT Studies. <i>Inorganic Chemistry</i> , 2004, 43, 4278-4288. | 1.9 | 47 |
| 86 | Anion influence on co-ordination polymers of Ag(I) with 1,4-dithiacyclohexane. <i>Dalton Transactions RSC</i> , 2001, , 2530-2538. | 2.3 | 46 |
| 87 | Titanium(IV) Alkoxy-N-heterocyclic Carbenes: Structural Preferences of Alkoxide and Bromide Adducts. <i>Organometallics</i> , 2006, 25, 1861-1867. | 1.1 | 46 |
| 88 | Enhancement of Tb ^{III} -Cu ^{II} Single-Molecule Magnet Performance through Structural Modification. <i>Chemistry - A European Journal</i> , 2016, 22, 12839-12848. | 1.7 | 46 |
| 89 | Proton-Coupled Electron Transfer Enhances the Electrocatalytic Reduction of Nitrite to NO in a Bioinspired Copper Complex. <i>ACS Catalysis</i> , 2018, 8, 5070-5084. | 5.5 | 46 |
| 90 | Titanium and zirconium complexes supported by dipyrrolide ligands Electronic supplementary information (ESI) available: Full experimental, NMR and analytical data. See http://www.rsc.org/suppdata/cc/b2/b208751k/ . <i>Chemical Communications</i> , 2002, , 2796-2797. | 2.2 | 45 |

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|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Furosemide Cocrystals: Structures, Hydrogen Bonding, and Implications for Properties. <i>Crystal Growth and Design</i> , 2014, 14, 783-791. | 1.4 | 45 |
| 92 | The syntheses and structures of Group 1 expanded dipyrrolides: the formation of a 12-rung amidolithium circular ladder. Electronic supplementary information (ESI) available: full experimental details and crystallographic data. See http://www.rsc.org/suppdata/cc/b3/b303611a/ . <i>Chemical Communications</i> , 2003, , 1682. | 2.2 | 44 |
| 93 | Conserved hydrogen-bonded supramolecular synthons in pyridinium tetrachlorometallates. <i>CrystEngComm</i> , 2004, 6, 87-95. | 1.3 | 44 |
| 94 | A coordination polymer supramolecular isomer formed from a single building block: an unexpected porphyrin ribbon constructed from zinc(tetra(4-pyridyl)porphyrin). <i>CrystEngComm</i> , 2005, 7, 621. | 1.3 | 44 |
| 95 | Coordination chemistry of N-aminopropyl pendant arm derivatives of mixed N/S-, and N/S/O-donor macrocycles, and construction of selective fluorimetric chemosensors for heavy metal ions. <i>Dalton Transactions</i> , 2005, , 2994. | 1.6 | 44 |
| 96 | Controlling interpenetration through linker conformation in the modulated synthesis of Sc metal-organic frameworks. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1181-1187. | 5.2 | 44 |
| 97 | Symmetric and asymmetric samarium alkoxide derivatives of bridging sulfur biphenolate and binaphtholate ligands; synthetic, structural, and catalytic studies. <i>Journal of Organometallic Chemistry</i> , 2002, 647, 205-215. | 0.8 | 43 |
| 98 | Exploring Phase-Transfer Catalysis with Molecular Dynamics and 3D/4D Quantitative Structure-Selectivity Relationships. <i>Journal of Chemical Information and Modeling</i> , 2005, 45, 971-981. | 2.5 | 43 |
| 99 | Structural Diversity in Metal-Organic Frameworks Derived from Binuclear Alkoxo-Bridged Copper(II) Nodes and Pyridyl Linkers. <i>Crystal Growth and Design</i> , 2008, 8, 964-975. | 1.4 | 41 |
| 100 | Comparisons between Yttrium and Titanium N-Heterocyclic Carbene Complexes in the Search for Early Transition Metal NHC Backbonding Interactions. <i>Inorganic Chemistry</i> , 2008, 47, 9042-9049. | 1.9 | 41 |
| 101 | Dinuclear and tetranuclear copper(II) complexes with bridging (N-N) diazine ligands: variable magnetic exchange topologies. <i>Dalton Transactions RSC</i> , 2000, , 69-77. | 2.3 | 40 |
| 102 | The Supercritical Fluid Antisolvent Synthesis of C ₆₀ (C ₂ H _x) (x=4 or 6); The Crystal Structures of Two Materials Which Were Thought Unlikely to Exist. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3796-3799. | 7.2 | 40 |
| 103 | The role of 1,2,4,5-tetrazine rings in π-π stacking interactions. <i>CrystEngComm</i> , 2003, 5, 82-86. | 1.3 | 40 |
| 104 | The Synthesis and Electronic Structure of a Novel [Ni ^{II} S ₄ Fe ₂ (CO) ₆] Radical Cluster: Implications for the Active Site of the [NiFe] Hydrogenases. <i>Chemistry - A European Journal</i> , 2004, 10, 3384-3396. | 1.7 | 40 |
| 105 | Revisiting the Maitland-Japp reaction. Concise construction of highly functionalised tetrahydropyran-4-ones. <i>Chemical Communications</i> , 2005, , 1061-1063. | 2.2 | 40 |
| 106 | Metal-directed ring-expansion in Schiff-base polypyrrolic macrocycles. <i>Chemical Communications</i> , 2005, , 4423. | 2.2 | 39 |
| 107 | The one-pot, multi-component construction of highly substituted tetrahydropyran-4-ones using the Maitland-Japp reaction. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3551. | 1.5 | 39 |
| 108 | In situ synthesis of 5-substituted-tetrazoles and metallosupramolecular co-ordination polymers. <i>CrystEngComm</i> , 2009, 11, 67-81. | 1.3 | 39 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Helical templating of polyiodide networks at a binuclear metallo complex Electronic supplementary information (ESI) available: synthetic details, crystal data (CCDC 198624 and 198625 in CIF format) and views of the C-H \cdots I and H \cdots I interactions between I6 \cdots and I3 \cdots and the cationic component in 2. See http://www.rsc.org/suppdata/cc/b2/b211743f/ . Chemical Communications, 2003, , 312-313. | 2.2 | 37 |
| 110 | Multitemperature Resonance-Diffraction and Structural Study of the Mixed-Valence Complex [Fe ₃ O(OCC(CH ₃) ₃) ₆ (C ₅ H ₅ N) ₃]. Inorganic Chemistry, 1998, 37, 6078-6083. | 1.9 | 36 |
| 111 | Supramolecular metal helicate structures with incomplete metal ion coordination. Dalton Transactions RSC, 2001, , 2258-2262. | 2.3 | 35 |
| 112 | A design strategy for four-connected coordination frameworks. Chemical Communications, 2004, , 642-643. | 2.2 | 35 |
| 113 | Synthesis of a Carbasugar Analogue of a Putative Intermediate in the UDP-Galp-Mutase Catalyzed Isomerization. Organic Letters, 2005, 7, 4891-4894. | 2.4 | 35 |
| 114 | A Unique Case of Oxidative Addition of Interhalogens IX (X=Cl, Br) to Organodisilone Ligands: Nature of the Chemical Bonding in Asymmetric Ir ξ Sei ξ X Polarised Hypervalent Systems. Chemistry - A European Journal, 2011, 17, 11497-11514. | 1.7 | 35 |
| 115 | Postsynthetic bromination of UiO-66 analogues: altering linker flexibility and mechanical compliance. Dalton Transactions, 2016, 45, 4132-4135. | 1.6 | 34 |
| 116 | Inorganic-organic interpenetrating frameworks: 4,4'-bipyridine N,N'-dioxide as a bridging hydrogen-bond acceptor. Chemical Communications, 2001, , 2258-2259. | 2.2 | 33 |
| 117 | Formation of [(L)Ni($\frac{1}{2}$ -S) _x {Fe(CO) ₃ } _x] adducts (x = 1 or 2): analogues of the active site of [NiFe] hydrogenase. Chemical Communications, 2006, , 317-319. | 2.2 | 33 |
| 118 | Improved synthetic methods to mixed-donor thiocrown ethers. Polyhedron, 2006, 25, 599-612. | 1.0 | 33 |
| 119 | Insight into D _{6h} Symmetry: Targeting Strong Axiality in Stable Dysprosium(III) Hexagonal Bipyramidal Single-ion Magnets. Angewandte Chemie, 2019, 131, 14284-14289. | 1.6 | 33 |
| 120 | Nitrile functionalised pendant-arm derivatives of aza- and mixed donor macrocyclic ligands as new building blocks for inorganic crystal engineering. Dalton Transactions RSC, 2002, , 1662-1670. | 2.3 | 32 |
| 121 | Structure and electronic properties of an asymmetric thiolate-bridged binuclear complex: a model for the active site of acetyl CoA synthase. Chemical Communications, 2003, , 3012-3013. | 2.2 | 32 |
| 122 | Aryl Ferrophites – A New Class of Ligands for Asymmetric Catalysis. European Journal of Organic Chemistry, 2006, 2006, 2549-2557. | 1.2 | 32 |
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