

Richard A Jones

List of Publications by Year in descending order

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116
papers

3,648
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147566

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119
all docs

119
docs citations

119
times ranked

2652
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Ferrocene tethered boramidinate frustrated Lewis pairs: stepwise capture of CO ₂ and CO. Dalton Transactions, 2022, 51, 6275-6284. | 1.6 | 3 |
| 2 | Alan Herbert Cowley. 29 January 1934–2 August 2020. Biographical Memoirs of Fellows of the Royal Society, 2022, 72, 139-160. | 0.1 | 0 |
| 3 | Antibacterial thiamine inspired silver (I) and gold (I) N-heterocyclic carbene compounds. Inorganica Chimica Acta, 2021, 517, 120152. | 1.2 | 13 |
| 4 | Modulating extraction and retention of fluorinated β^2 -diketonate metal complexes in perfluorocarbons through the use of non-fluorinated neutral ligands. Inorganic Chemistry Frontiers, 2021, 8, 4488-4496. | 3.0 | 1 |
| 5 | Visible luminescent Ln ₄₂ nanotorus coordination clusters. Journal of Coordination Chemistry, 2021, 74, 92-101. | 0.8 | 1 |
| 6 | Incorporation of spin-crossover cobalt(II) complexes into conducting metallopolymers: Towards redox-controlled spin change. Polymer, 2021, 222, 123658. | 1.8 | 6 |
| 7 | Magnetism and Luminescence of a MOF with Linear Mn ₃ Nodes Derived from an Emissive Terthiophene-Based Imidazole Linker. Molecules, 2021, 26, 4286. | 1.7 | 6 |
| 8 | Construction of a 1-D Sm(III) coordination polymer with a long-chain Schiff base ligand: dual-emissive response to metal ions. Inorganic Chemistry Frontiers, 2020, 7, 464-469. | 3.0 | 3 |
| 9 | A 42-metal Yb(III) nanowheel with NIR luminescent response to anions. Nanoscale, 2020, 12, 1384-1388. | 2.8 | 29 |
| 10 | Accessing Pentagonal Bipyramidal Geometry with Pentadentate Pincer Amido-bis(amidate) Ligands in Group IV and V Early Transition Metal Complexes. Organometallics, 2020, 39, 3689-3694. | 1.1 | 5 |
| 11 | Construction of a High-Nuclearity Elliptical Yb(III) Nanoring: NIR Luminescent Response to Metal Ions and Nitro Explosives. Inorganic Chemistry, 2020, 59, 14620-14626. | 1.9 | 11 |
| 12 | Construction of 14-metal lanthanide nanorings with NIR luminescence response to ions. Chemical Communications, 2020, 56, 8651-8654. | 2.2 | 16 |
| 13 | Construction of Chiral α -Triple-Decker-Nd(III) Nanocluster with High NIR Luminescence Sensitivity toward Co(II). Inorganic Chemistry, 2020, 59, 8652-8656. | 1.9 | 8 |
| 14 | Electropolymerizable N-heterocyclic carbene complexes of Rh and Ir with enantiotropic polymorphic phases. Dalton Transactions, 2020, 49, 2264-2272. | 1.6 | 2 |
| 15 | Synthesis and electropolymerization of N-heterocyclic carbene complexes of Pd(II) and Pt(II) from an emissive imidazolium salt with a terthiophene backbone. Dalton Transactions, 2019, 48, 14440-14449. | 1.6 | 6 |
| 16 | NIR luminescence for the detection of metal ions and nitro explosives based on a grape-like nine-nuclear Nd(III) nanocluster. Inorganic Chemistry Frontiers, 2019, 6, 550-555. | 3.0 | 20 |
| 17 | 1,1'-Dicarbodiimidoferrocenes: Synthesis, Characterization, and Group IV 1,1'-Bisguanidinateferrocene Complexes. Organometallics, 2019, 38, 2689-2698. | 1.1 | 6 |
| 18 | Metal cation sensing by a NIR luminescent high-nuclearity Zn–Yb schiff base nanocluster. Journal of Luminescence, 2019, 213, 440-445. | 1.5 | 6 |

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|----|--|-----|-----------|
| 19 | Construction of a Large High-Nuclearity Cd ^{II} -Sm Schiff Base Cluster with Nanoscale Inner Cavity as Luminescent Probe for Metal Cations. <i>Crystal Growth and Design</i> , 2019, 19, 2149-2154. | 1.4 | 20 |
| 20 | Large Ln ^{III} coordination nanorings: NIR luminescence sensing of metal ions and nitro explosives. <i>Chemical Communications</i> , 2019, 55, 13116-13119. | 2.2 | 44 |
| 21 | Self-assembly of luminescent 42-metal lanthanide nanowheels with sensing properties towards metal ions and nitro explosives. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13425-13431. | 2.7 | 23 |
| 22 | Construction of a crystalline 14-metal Zn ^{II} -Nd rectangular nanocluster with a dual-emissive response towards metal ions. <i>RSC Advances</i> , 2019, 9, 40017-40022. | 1.7 | 4 |
| 23 | Teaching through Research: Alignment of Core Chemistry Competencies and Skills within a Multidisciplinary Research Framework. <i>Journal of Chemical Education</i> , 2018, 95, 248-258. | 1.1 | 20 |
| 24 | A self-assembling luminescent lanthanide molecular nanoparticle with potential for live-cell imaging. <i>Chemical Science</i> , 2018, 9, 4630-4637. | 3.7 | 26 |
| 25 | Construction of luminescent high-nuclearity Zn ^{II} -Ln rectangular nanoclusters with flexible long-chain Schiff base ligands. <i>Dalton Transactions</i> , 2018, 47, 53-57. | 1.6 | 21 |
| 26 | Recent advances in the functional applications of conducting metallopolymers. <i>Coordination Chemistry Reviews</i> , 2018, 377, 237-258. | 9.5 | 26 |
| 27 | Sterically Shielded Stable Carbenes and Biscarbenes of the 1,2,4-Triazole Series: A New Method for the Preparation of 1,3,4-Triaryl-1,2,4-triazol-5-ylidenes. <i>ChemistrySelect</i> , 2018, 3, 5244-5248. | 0.7 | 7 |
| 28 | Anion dependent self-assembly of sandwich 13-metal Ni ^{II} -Ln nanoclusters with a long-chain Schiff base ligand. <i>Dalton Transactions</i> , 2017, 46, 1748-1752. | 1.6 | 11 |
| 29 | Understanding the Effect of Metal Centers on Charge Transport and Delocalization in Conducting Metallopolymers. <i>Macromolecules</i> , 2017, 50, 872-883. | 2.2 | 35 |
| 30 | Single-component Eu ³⁺ -Tb ³⁺ -Gd ³⁺ -grafted polymer with ultra-high color rendering index white-light emission. <i>RSC Advances</i> , 2017, 7, 6762-6771. | 1.7 | 21 |
| 31 | Synthesis and electronic investigation of mono- and di-substituted 4-nitro- and 4-amino-pyrazol-1-yl bis(pyrazol-1-yl)pyridine-type ligands and luminescent Eu(III) derivatives. <i>Dalton Transactions</i> , 2017, 46, 7733-7742. | 1.6 | 6 |
| 32 | Effect of conjugation length and metal-backbone interactions on charge transport properties of conducting metallopolymers. <i>Polymer Chemistry</i> , 2017, 8, 4359-4367. | 1.9 | 12 |
| 33 | Electronic Interactions of n-Doped Perylene Diimide Groups Appended to Polynorbornene Chains: Implications for Electron Transport in Organic Electronics. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700420. | 2.0 | 6 |
| 34 | A Thiophene-Containing Conductive Metallopolymer Using an Fe(II) Bis(terpyridine) Core for Electrochromic Materials. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34568-34580. | 4.0 | 53 |
| 35 | Anisotropic lanthanide-based nano-clusters for imaging applications. <i>Faraday Discussions</i> , 2016, 191, 465-479. | 1.6 | 7 |
| 36 | Self-assembly of high-nuclearity lanthanide-based nanoclusters for potential bioimaging applications. <i>Nanoscale</i> , 2016, 8, 11123-11129. | 2.8 | 14 |

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|----|--|-----|-----------|
| 37 | Direct synthesis of CdSe nanocrystals within a conducting metallopolymer: toward improving charge transfer in hybrid nanomaterials. <i>Chemical Communications</i> , 2016, 52, 13112-13115. | 2.2 | 10 |
| 38 | Synthesis, characterization and oscillator-vibrated near-infrared (NIR) luminescence of two pseudo-polymorphic [Yb ₄ ((OH) ₂ -Salophen) ₄] complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 188-195. | 2.0 | 1 |
| 39 | A self-assembling lanthanide molecular nanoparticle for optical imaging. <i>Dalton Transactions</i> , 2015, 44, 2667-2675. | 1.6 | 12 |
| 40 | PMMA-supported hybrid materials doped with highly near-infrared (NIR) luminescent complexes [Zn(L1)(Py)Ln(L2) ₃] (Ln = Nd, Yb or Er). <i>New Journal of Chemistry</i> , 2015, 39, 3698-3707. | 1.4 | 31 |
| 41 | An Alkaline Flow Battery Based on the Coordination Chemistry of Iron and Cobalt. <i>Journal of the Electrochemical Society</i> , 2015, 162, A378-A383. | 1.3 | 46 |
| 42 | Self-assembly of NIR luminescent 30-metal drum-like and 12-metal rectangular d ^{4f} nanoclusters with long-chain Schiff base ligands. <i>Chemical Communications</i> , 2014, 50, 15569-15572. | 2.2 | 34 |
| 43 | Temperature-dependent self-assembly of near-infrared (NIR) luminescent Zn ₂ Ln and Zn ₂ Ln ₃ (Ln = Nd, Yb) Tj ETQq1 1 0.784314 rgBT <i>Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 205-214. | 2.0 | 17 |
| 44 | Wide electrochemical window ionic salt for use in electropositive metal electrodeposition and solid state Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2194-2201. | 5.2 | 23 |
| 45 | First Examples of Near-Infrared Luminescent Poly(methyl methacrylate)-Supported Metallopolymer Based on Zn ₂ Ln ₃ Arrayed Schiff Base Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2839-2848. | 1.0 | 32 |
| 46 | Luminescent 4f and d-4f polynuclear complexes and coordination polymers with flexible salen-type ligands. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 63-75. | 9.5 | 157 |
| 47 | Lanthanide nano-drums: a new class of molecular nanoparticles for potential biomedical applications. <i>Faraday Discussions</i> , 2014, 175, 241-255. | 1.6 | 5 |
| 48 | Anion dependent self-assembly of 56-metal Cd ^{4f} Ln nanoclusters with enhanced near-infrared luminescence properties. <i>Nanoscale</i> , 2014, 6, 10569-10573. | 2.8 | 24 |
| 49 | Near-infrared (NIR) luminescent metallopolymer based on Ln ₄ (Salen) ₄ nanoclusters (Ln = Nd or Yb). <i>Journal of Materials Chemistry C</i> , 2014, 2, 1489. | 2.7 | 30 |
| 50 | Anion dependent self-assembly of a linear hexanuclear Yb(iii) salen complex with enhanced near-infrared (NIR) luminescence properties. <i>Chemical Communications</i> , 2013, 49, 9579. | 2.2 | 25 |
| 51 | Anion dependent self-assembly of luminescent Zn ^{4f} Ln (Eu and Tb) salen complexes. <i>Polyhedron</i> , 2013, 52, 165-169. | 1.0 | 28 |
| 52 | Anion-Dependent Self-Assembly of Near-Infrared Luminescent 24- and 32-Metal Cd ^{4f} Ln Complexes with Drum-like Architectures. <i>Journal of the American Chemical Society</i> , 2013, 135, 8468-8471. | 6.6 | 134 |
| 53 | Self-Assembly of Luminescent Hexanuclear Lanthanide Salen Complexes. <i>Crystal Growth and Design</i> , 2012, 12, 970-974. | 1.4 | 71 |
| 54 | Near-infrared (NIR) luminescent homoleptic lanthanide Salen complexes Ln ₄ (Salen) ₄ (Ln = Nd, Yb or Tj ETQq0 0 0 rgBT /Over lock 10 Tf | 1.3 | 49 |

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|----|--|-----|-----------|
| 55 | Anion-dependent construction of two hexanuclear 3d ⁴ f complexes with a flexible Schiff base ligand. Dalton Transactions, 2012, 41, 11449. | 1.6 | 64 |
| 56 | Influence of metal ⁴ ligand ratio on benzimidazole based luminescent lanthanide complexes: 3-D network structures and chloride anion binding. New Journal of Chemistry, 2011, 35, 310-318. | 1.4 | 26 |
| 57 | Construction of 1-D 4f and 3d ⁴ f coordination polymers with flexible Schiff base ligands. Dalton Transactions, 2011, 40, 9795. | 1.6 | 45 |
| 58 | Synthesis and Crystal Structure of a New Heterotrinnuclear Schiff-Base Zn ⁴ Gd Complex. Journal of Chemical Crystallography, 2010, 40, 1060-1064. | 0.5 | 10 |
| 59 | Near-Infrared Luminescent, Neutral, Cyclic Zn ₂ Ln ₂ (Ln = Nd, Yb, and Er) Complexes from Asymmetric Salen-Type Schiff Base Ligands. European Journal of Inorganic Chemistry, 2010, 2010, 2714-2722. | 1.0 | 55 |
| 60 | Synthesis, X-ray crystal structure and photophysical properties of tris(dibenzoylmethanido)(1,10-phenanthroline)samarium(III). Polyhedron, 2010, 29, 2511-2515. | 1.0 | 45 |
| 61 | Acetylide and triazolato complexes from Ru(II) azides. Main Group Chemistry, 2010, 9, 41-56. | 0.4 | 6 |
| 62 | Transformation of a Luminescent Benzimidazole-Based Yb ₃ Cluster into a One-Dimensional Coordination Polymer. Crystal Growth and Design, 2010, 10, 970-976. | 1.4 | 26 |
| 63 | Syntheses, structures, and photoluminescence of 1-D lanthanide coordination polymers. Dalton Transactions, 2009, , 10505. | 1.6 | 46 |
| 64 | Hetero-trinuclear near-infrared (NIR) luminescent Zn ₂ Ln complexes from Salen-type Schiff-base ligands. New Journal of Chemistry, 2009, 33, 2326. | 1.4 | 58 |
| 65 | Effect of Heavy ⁴ Atom (Br) at the Phenyl Rings of Schiff ⁴ Base Ligands on the NIR Luminescence of their Bimetallic Zn ⁴ Nd Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 1795-1800. | 0.6 | 40 |
| 66 | Synthesis and structures of luminescent ladder-like lanthanide coordination polymers of 4-hydroxybenzenesulfonate. New Journal of Chemistry, 2008, 32, 790. | 1.4 | 20 |
| 67 | Tetranuclear NIR luminescent Schiff-base Zn ⁴ Nd complexes. New Journal of Chemistry, 2008, 32, 127-131. | 1.4 | 86 |
| 68 | Pentanuclear tetra-decker luminescent lanthanide Schiff base complexes. Dalton Transactions, 2008, , 1676. | 1.6 | 73 |
| 69 | Chemical Routes to Ultra Thin Films for Copper Barriers and Liners. Materials Research Society Symposia Proceedings, 2007, 990, 1. | 0.1 | 0 |
| 70 | ([18]Crown-6)Potassium Dicyanophosphide(1-). Inorganic Syntheses, 2007, , 126-129. | 0.3 | 8 |
| 71 | Trilithium Heptaphosphide, Dilithium Hexadecaphosphide, and Trisodium Henicosaphosphide. Inorganic Syntheses, 2007, , 227-235. | 0.3 | 14 |
| 72 | Trimethylphosphine. Inorganic Syntheses, 2007, , 7-12. | 0.3 | 23 |

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|----|---|-----|-----------|
| 73 | Pyrazolate-Bridged Ruthenium(I) Carbonyl Complexes. <i>Inorganic Syntheses</i> , 2007, , 217-220. | 0.3 | 1 |
| 74 | Electronic Grade Alkyls of Group 12 and 13 Elements. <i>Inorganic Syntheses</i> , 2007, , 29-66. | 0.3 | 10 |
| 75 | Trimethylphosphine. <i>Inorganic Syntheses</i> , 2007, , 305-310. | 0.3 | 15 |

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|-----|---|-----|-----------|
| 91 | Synthesis and Characterization of 8-(Dimethylamino)-1-naphthyl Derivatives of Aluminum, Gallium, and Indium. <i>Inorganic Chemistry</i> , 2000, 39, 27-31. | 1.9 | 38 |
| 92 | Synthesis and Structural Characterization of Some Monomeric Group 13 Amides. <i>Inorganic Chemistry</i> , 1999, 38, 296-300. | 1.9 | 14 |
| 93 | Use of Chelating Diphosphines To Prepare New Phosphido Clusters of Aluminum and Gallium. <i>Organometallics</i> , 1996, 15, 2657-2659. | 1.1 | 6 |
| 94 | Synthesis and Structures of Intramolecularly Base-Coordinated Aryl Group 15 Compounds. <i>Inorganic Chemistry</i> , 1996, 35, 6179-6183. | 1.9 | 72 |
| 95 | AN ALKYL-SUBSTITUTED INDIUM(I) TETRAMER. <i>Journal of Coordination Chemistry</i> , 1993, 30, 25-28. | 0.8 | 86 |
| 96 | Synthesis and Structures of two Bulky Gallium Chlorides. <i>Journal of Coordination Chemistry</i> , 1992, 25, 233-239. | 0.8 | 16 |
| 97 | Syntheses and Structures of $[\text{NMe}_2(\frac{1}{4}\text{-NMe}_2)\text{GaCl}]_2$ and $[\text{TMP}(\frac{1}{4}\text{-OEt})\text{GaCl}]_2$ (TMP =) <i>J. Chem. Soc. Chem. Commun.</i> 1992, 10, 1651-1652. | 0.8 | 16 |
| 98 | Phosphorus Atoms in Unusual Environments. <i>ACS Symposium Series</i> , 1992, , 56-63. | 0.5 | 3 |
| 99 | Reaction of $(\text{t-BuGaCl}_2)_2$ with $\text{Ar}^? \text{PHLi}$ ($\text{Ar}^? = 2,4,6\text{-t-Bu}_3\text{C}_6\text{H}_2$): Preparation of the chloride-bridged dimer $(\text{t-BuGa}(\text{Cl})\text{P}(\text{H})\text{Ar}^?)_2$. <i>Heteroatom Chemistry</i> , 1991, 2, 11-15. | 0.4 | 11 |
| 100 | A Novel Gallium-Phosphorus Cage Compound. <i>Angewandte Chemie International Edition in English</i> , 1991, 30, 1141-1143. | 4.4 | 10 |
| 101 | Mononuclear Complexes of Cr(II) and Fe(II) with Terminal -SH Groups. Synthesis and X-Ray Crystal Structures of $\text{trans-M}(\text{SH})_2(\text{dmpe})_2$ (M = Cr, Fe; dmpe =) <i>J. Chem. Soc. Chem. Commun.</i> 1991, 10, 1651-1652. | 0.8 | 16 |
| 102 | Single Source Precursors for III-V OMCVD Growth and Pyrolysis Studies. <i>Materials Research Society Symposia Proceedings</i> , 1990, 204, 73. | 0.1 | 2 |
| 103 | Synthese und Struktur eines Diphosphadigallegans: ein neuartiges, basenstabilisiertes Ga_2P_2 -Ringsystem. <i>Angewandte Chemie</i> , 1990, 102, 1169-1171. | 1.6 | 22 |
| 104 | Niedermolekulare III-V-Komplexe, ein möglicher neuer Weg zu Galliumarsenid und verwandten Halbleitern. <i>Angewandte Chemie</i> , 1989, 101, 1235-1243. | 1.6 | 97 |
| 105 | $[\text{Mes}_2\text{SbCu}(\text{PMe}_3)_2]_2$: The First CuI Antimonide. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1018-1019. | 4.4 | 29 |
| 106 | Single-Source III/V Precursors: A New Approach to Gallium Arsenide and Related Semiconductors. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1208-1215. | 4.4 | 296 |
| 107 | New Complex Cations of Aluminum(III) and Gallium(III). <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 277-278. | 4.4 | 38 |
| 108 | Phosphane-Stabilized CuI and AgI Silanes. <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 1349-1350. | 4.4 | 30 |

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| 109 | SYNTHESIS, CHARACTERIZATION, AND X-RAY STRUCTURE OF BIS(fn-ACETATO DICARBONYL(DI-TERTI-BUTYLPHOSPHINE) RUTHENIUM (I)]. Journal of Coordination Chemistry, 1988, 18, 361-367. | 0.8 | 12 |
| 110 | SYNTHESIS AND STRUCTURE OF A HETEROBIMETALLIC Fe-Ni PHOSPHIDO BRIDGED COMPLEX; X-RAY CRYSTAL STRUCTURE OF (PMe ₃) ₃ (CO) ₃ Fe(1/4-t-Bu ₂ P)Ni(PMe ₃) ₃ Cl, (Fe-Ni). Journal of Coordination Chemistry, 1988, 17, 45-51. | 0.8 | 5 |
| 111 | Organometallic Chemical Vapor Deposition of Gaas Using Novel Organometallic Precursors. Materials Research Society Symposia Proceedings, 1988, 131, 51. | 0.1 | 3 |
| 112 | The First Structurally Characterized Trithionantimonite Transition Metal Complex, (CO) ₅ W(1/4-SB ^t)Sb(SBu ^t) ₂ , Exhibiting a Novel Mode of Coordination for the Trithioantimonite Ligand Sb(t-BuS) ₃ . Journal of Coordination Chemistry, 1987, 16, 213-218. | 0.8 | 6 |
| 113 | SYNTHESIS AND X-RAY STRUCTURE OF [Ni(1/4-t-Bu ₂ P)(CO) ₂] ₂ (Ni-Ni), SPONTANEOUS LOSS OF CO TO GIVE THE ASYMMETRIC TRICARBONYL Ni ₂ (1/4-t-Bu ₂ P) ₂ (CO) ₃ . Journal of Coordination Chemistry, 1987, 16, 51-57. | 0.8 | 7 |
| 114 | THE JAHN-TELLER EFFECT IN A TRIGONAL BIPYRAMIDAL Ni(III) COMPLEX; SYNTHESIS AND X-RAY CRYSTAL STRUCTURE OF <i>trans</i> -Ni ₃ (PMe ₃) ₂ . Journal of Coordination Chemistry, 1987, 16, 19-24. | 0.8 | 11 |
| 115 | FORMATION OF COORDINATED t-Bu ₂ P(H)O via REACTION OF t-Bu ₂ PCl WITH ETHANOLIC ReO ₄ ⁺ . SYNTHESIS AND STRUCTURE OF <i>trans</i> -ReOCl ₂ (OEt){t-Bu ₂ P(OEt)}{t-Bu ₂ P(H)O}. Journal of Coordination Chemistry, 1987, 16, 45-50. | 0.8 | 9 |
| 116 | Structure of chlorotrimethylphosphine cobalt(I), C ₉ H ₂₇ ClCoP ₃ . Journal of Crystallographic and Spectroscopic Research, 1983, 13, 273-278. | 0.3 | 2 |