

# Craig R Rice

## List of Publications by Year in descending order

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97  
papers

2,924  
citations

185998

28  
h-index

189595

50  
g-index

105  
all docs

105  
docs citations

105  
times ranked

2853  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | 2,2,4,6-Tetraaryl-2H-benzo[h]chromenes: The influence of electronic communication between aryl substituents on their photochromism. <i>Dyes and Pigments</i> , 2022, 199, 110036.   | 2.0 | 2         |
| 2  | Quenching of the phosphorescence of thermally reversible photochromic naphthopyran Re( $\text{Cp}^*\text{2}$ ) complexes initiated by either visible or ultraviolet radiation. <i>Dalton Transactions</i> , 2021, 50, 830-834.          | 1.6 | 3         |
| 3  | Synthesis of novel isoflavone/benzo-f-sultam hybrids as potential anti-inflammatory drugs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 34, 127761.  | 1.0 | 6         |
| 4  | Self-assembly of an anion receptor with metal-dependent kinase inhibition and potent in vitro anti-cancer properties. <i>Nature Communications</i> , 2021, 12, 3898.  | 5.8 | 11        |
| 5  | Photochemistry of Heteroleptic 1,4,5,8-Tetraazaphenanthrene- and Bi-1,2,3-triazolyl-Containing Ruthenium(II) Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 15768-15781.   | 1.9 | 9         |
| 6  | Inhibition of the photochromic behaviour of a 3,3-diphenyl-3H-pyrano[3,2-f]quinoline ligand by coordination to Ag(I) ions. <i>Dyes and Pigments</i> , 2020, 175, 108167.  | 2.0 | 3         |
| 7  | Cyclopropenones in the synthesis of indolizidine, pyrrolo[2,1-a]isoquinoline and indolizino[8,7-b]indole alkaloids. <i>Tetrahedron</i> , 2020, 76, 131570.  | 1.0 | 8         |
| 8  | Self-Assembled Anion-Binding Cryptand for the Selective Liquid-Liquid Extraction of Phosphate Anions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20480-20484.   | 7.2 | 12        |
| 9  | Self-Assembled Anion-Binding Cryptand for the Selective Liquid-Liquid Extraction of Phosphate Anions. <i>Angewandte Chemie</i> , 2020, 132, 20660-20664.  | 1.6 | 7         |
| 10 | Anion dependent self-assembly; formation of an octanuclear assembly by templation with the selenite dianion. <i>Polyhedron</i> , 2020, 182, 114483.   | 1.0 | 0         |
| 11 | Unravelling the Mechanism of Excited-State Interligand Energy Transfer and the Engineering of Dual Emission in $[\text{Ir}(\text{C}^*\text{N})_2(\text{N}^*\text{N})]^{+}$ Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 1785-1803. | 1.9 | 33        |
| 12 | A rhenium(I) complex which reacts with aldehydes and ketones in aqueous media: A structural, spectroscopic and theoretical analysis. <i>Journal of Chemical Research</i> , 2020, 44, 733-737.   | 0.6 | 0         |
| 13 | Cyclic Vinyl(aryl)iodonium Salts: Synthesis and Reactivity. <i>Organic Letters</i> , 2019, 21, 6936-6939.   | 2.4 | 12        |
| 14 | A ligand strand that displays anion-dependant reactivity with acetonitrile; formation of either a mononuclear complex or head-to-tail circular helicate. <i>Dalton Transactions</i> , 2019, 48, 8427-8432.                              | 1.6 | 0         |
| 15 | Synthesis and photochromism of some mono and bis (thienyl) substituted oxathiine 2,2-dioxides. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9578-9584.   | 1.5 | 6         |
| 16 | Expedient synthesis of highly substituted 3,4-dihydro-1,2-oxathiine 2,2-dioxides and 1,2-oxathiine 2,2-dioxides: revisiting sulfene additions to enamino ketones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9585-9604.      | 1.5 | 9         |
| 17 | Mitochondria-localising DNA-binding biscyclometalated phenyltriazole iridium(III) dipyrrophenazine complexes: syntheses and cellular imaging properties. <i>Dalton Transactions</i> , 2018, 47, 4931-4940.                              | 1.6 | 16        |
| 18 | Self-Assembly of an Anion-Binding Cryptand for the Selective Encapsulation, Sequestration, and Precipitation of Phosphate from Aqueous Systems. <i>Angewandte Chemie</i> , 2018, 130, 13255-13259.                                      | 1.6 | 5         |

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|----|--|-----|-----------|
| 19 | Photophysical and Cellular Imaging Studies of Brightly Luminescent Osmium(II) Pyridyltriazole Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 13201-13212.   | 1.9 | 18        |
| 20 | Dihydrogen phosphate-containing dinuclear double assemblies that demonstrate phosphate reactivity to the tetrafluoroborate anion. <i>Chemical Communications</i> , 2018, 54, 9159-9162.  | 2.2 | 7         |
| 21 | Self-Assembly of an Anion-Binding Cryptand for the Selective Encapsulation, Sequestration, and Precipitation of Phosphate from Aqueous Systems. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13071-13075.  | 7.2 | 18        |
| 22 | Ruthenium-Containing Linear Helicates and Mesocates with Tuneable p53-Selective Cytotoxicity in Colorectal Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9799-9804.   | 7.2 | 39        |
| 23 | Ruthenium-Containing Linear Helicates and Mesocates with Tuneable p53-Selective Cytotoxicity in Colorectal Cancer Cells. <i>Angewandte Chemie</i> , 2018, 130, 9947-9952.  | 1.6 | 15        |
| 24 | Control of metallo-supramolecular assemblies via steric, hydrogen bonding and argentophilic interactions; formation of a 3-dimensional polymer of circular helicates. <i>CrystEngComm</i> , 2017, 19, 1273-1278.   | 1.3 | 6         |
| 25 | A structural study of dithizone coordination chemistry. <i>CrystEngComm</i> , 2017, 19, 3414-3419.   | 1.3 | 3         |
| 26 | An iron-catalysed C-C bond-forming spirocyclization cascade providing sustainable access to new 3D heterocyclic frameworks. <i>Nature Chemistry</i> , 2017, 9, 396-401.  | 6.6 | 44        |
| 27 | Labilizing the Photoinert: Extraordinarily Facile Photochemical Ligand Ejection in an [Os(N <sup>3</sup> ) <sub>2</sub> ] <sup>2+</sup> Complex. <i>Angewandte Chemie</i> , 2016, 128, 10855-10859.  | 1.6 | 3         |
| 28 | Labilizing the Photoinert: Extraordinarily Facile Photochemical Ligand Ejection in an [Os(N <sup>3</sup> ) <sub>2</sub> ] <sup>2+</sup> Complex. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10697-10701.   | 7.2 | 19        |
| 29 | Photochemistry of [Ru(pytz)(btz) <sub>2</sub> ] <sup>2+</sup> and Characterization of a Ir <sup>1</sup> -btz Ligand-Loss Intermediate. <i>Inorganic Chemistry</i> , 2016, 55, 7787-7796.   | 1.9 | 23        |
| 30 | Photochemistry of Ru <sup>II</sup> 4,4'-bi-1,2,3-triazolyl (btz) Complexes: Crystallographic Characterization of the Photoreactive Ligand-Loss Intermediate <i>trans</i> -[Ru(bpy)(Ir <sup>2</sup> -btz)(Ir <sup>1</sup> -btz)(NCMe)] <sup>2+</sup> . <i>Chemistry - A European Journal</i> , 2014, 20, 8467-8476. | 1.7 | 27        |
| 31 | 5-Hydroxy substituted naphthofurans and naphthothiazoles as precursors of photochromic benzochromenes. <i>Tetrahedron</i> , 2014, 70, 9352-9358.   | 1.0 | 15        |
| 32 | Formation of a Dimer of Trinuclear Helicates which Encapsulates an Array of Six Hydrogen-Bonded Anions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13540-13543.  | 7.2 | 18        |
| 33 | The first structural and spectroscopic characterisation of a ring-opened form of a 2H-naphtho[1,2-b]pyran: a novel photomerocyanine. <i>Chemical Communications</i> , 2014, 50, 7900.  | 2.2 | 21        |
| 34 | Luminescent biscyclometalated arylpyridine iridium(III) complexes with 4,4'-bi-1,2,3-triazolyl ancillary ligands. <i>Dalton Transactions</i> , 2013, 42, 13527.  | 1.6 | 41        |
| 35 | Steric control of the formation of dinuclear double helicate and dinuclear meso-helicate assemblies. <i>Chemical Communications</i> , 2013, 49, 7785.  | 2.2 | 32        |
| 36 | The Remarkable Hyperchromicity of Keto-hydrazone Dyes and Pigment Lakes Derived from 4-Morpholino-2-naphthol. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 8097-8107.  | 1.2 | 10        |

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|----|--|-----|-----------|
| 37 | Unambiguous Characterization of a Photoreactive Ligand's Loss Intermediate. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10826-10829.  | 7.2 | 36        |
| 38 | Self-assembly of a heteroleptic one-dimensional chain comprising different dinuclear meso-helicates in the solid-state. <i>Chemical Communications</i> , 2013, 49, 11290.  | 2.2 | 2         |
| 39 | Synthesis of ligands containing N-oxide donor atoms and their assembly into metallosupramolecular structures. <i>Dalton Transactions</i> , 2013, 42, 5805.   | 1.6 | 9         |
| 40 | Tricarbonylchlorido( $\eta^6$ -7 $\eta^2$ -dihydro-5 $\eta^2$ H-spiro[cyclohexane-1,6 $\eta^2$ -dipyrido[3,2-d: $\eta^2$ ,3 $\eta^2$ -f][1,3]diazepine]- $\eta^2$ N1,N11)rhenium(III) complex. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m527-m527.  | 0.2 | 1         |
| 41 | Tricarbonylchlorido( $\eta^6$ -7 $\eta^2$ -dihydro-5 $\eta^2$ H-spiro[cyclopentane-1,6 $\eta^2$ -dipyrido[3,2-d: $\eta^2$ ,3 $\eta^2$ -f][1,3]diazepine]- $\eta^2$ N1,N11)rhenium(III) complex. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m526-m526. | 0.2 | 1         |
| 42 | Probing solution behaviour of metallosupramolecular complexes using pyrene fluorescence. <i>Dalton Transactions</i> , 2012, 41, 1568-1573.   | 1.6 | 5         |
| 43 | Luminescent rhenium fac-tricarbonyl-containing complexes of androgenic oxo-steroids. <i>Dalton Transactions</i> , 2012, 41, 14690.   | 1.6 | 18        |
| 44 | Synthesis, characterisation and theoretical study of ruthenium 4,4'-bi-1,2,3-triazolyl complexes: fundamental switching of the nature of S1 and T1 states from MLCT to MC. <i>Dalton Transactions</i> , 2012, 41, 7637.  | 1.6 | 47        |
| 45 | Pyridines from Azabicyclo[3.2.0]hept-2-en-4-ones through a Proposed Azacyclopentadienone. <i>Organic Letters</i> , 2012, 14, 126-129.  | 2.4 | 41        |
| 46 | Allosteric Effects in a Ditopic Ligand Containing Bipyridine and Tetraaza-crown Donor Units. <i>Chemistry - A European Journal</i> , 2012, 18, 3464-3467.  | 1.7 | 6         |
| 47 | A robust method for the synthesis and isolation of $\beta$ -gluco-isosaccharinic acid ((2R,4S)-2,4,5-trihydroxy-2-(hydroxymethyl)pentanoic acid) from cellulose and measurement of its aqueous pKa. <i>Carbohydrate Research</i> , 2012, 349, 6-11.                                      | 1.1 | 16        |
| 48 | Diastereoselective assembly of pentanuclear circular helicates. <i>Dalton Transactions</i> , 2011, 40, 12381.  | 1.6 | 17        |
| 49 | Synthesis and characterisation of luminescent rhenium tricarbonyl complexes with axially coordinated 1,2,3-triazole ligands. <i>Dalton Transactions</i> , 2011, 40, 7610.  | 1.6 | 55        |
| 50 | Head-to-Tail and Heteroleptic Pentanuclear Circular Helicates. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6655-6658.   | 7.2 | 35        |
| 51 | Controlling the formation of metallosupramolecular assemblies by metal ionic radii. <i>Chemical Communications</i> , 2010, 46, 3496.   | 2.2 | 29        |
| 52 | Isomeric pyridyl-thiazole donor units for metal ion recognition in bi- and tri-metallic helicates. <i>Chemical Communications</i> , 2009, , 4856.  | 2.2 | 10        |
| 53 | Coumarin-based luminescent ligand that forms helicates with dicationic metal ions. <i>Dalton Transactions</i> , 2009, , 10570.   | 1.6 | 24        |
| 54 | Metal-specific allosteric activation and deactivation of a diamine. <i>Chemical Communications</i> , 2008, , 108-110.  | 2.2 | 9         |

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|----|---|-----|-----------|
| 55 | A wavelength and lifetime responsive cryptate-containing fluorescent probe for zinc ions in water. <i>Chemical Communications</i> , 2008, , 6185.   | 2.2 | 27        |
| 56 | Synthesis and X-ray structures of cadmium-containing dinuclear double helicates derived from ligands containing N-oxide units. <i>New Journal of Chemistry</i> , 2008, 32, 115-119.   | 1.4 | 6         |
| 57 | Allosteric deprogramming of a trinuclear heterometallic helicate. <i>Dalton Transactions</i> , 2007, , 1577.  | 1.6 | 26        |
| 58 | Localization and Delocalization in a Mixed-Valence Dicopper Helicate. <i>Inorganic Chemistry</i> , 2007, 46, 2417-2426.   | 1.9 | 28        |
| 59 | Electrostatic control of the formation of heteroleptic transition metal helicates. <i>New Journal of Chemistry</i> , 2007, 31, 1525.  | 1.4 | 6         |
| 60 | Ligand Reprogramming in Dinuclear Helicate Complexes: A Consequence of Allosteric or Electrostatic Effects?. <i>Chemistry - A European Journal</i> , 2007, 13, 5256-5271.   | 1.7 | 22        |
| 61 | This facile interconversion of dinuclear double helicates and side-by-side species: a reprogrammable ligand with potential sensor applications. <i>Chemical Communications</i> , 2006, , 1980.  | 2.2 | 17        |
| 62 | Barium induced modulation of NIR emission in a neodymium cryptate complex. <i>Chemical Communications</i> , 2006, , 5048.   | 2.2 | 24        |
| 63 | Metal-assembled anion receptors. <i>Coordination Chemistry Reviews</i> , 2006, 250, 3190-3199.  | 9.5 | 117       |
| 64 | Solution and solid-state complexes of the potentially tetradentate pyridyl-thiazole ligand 6,6'-bis(4-methylthiazol-2-yl)-2,2'-bipyridine with CoII, NiII, CuII, CdII, HgII, CuI and AgI. <i>Inorganica Chimica Acta</i> , 2005, 358, 2781-2798.  | 1.2 | 21        |
| 65 | Allosteric-Controlled Metal Specificity of a Ditopic Ligand. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6909-6912.  | 7.2 | 28        |
| 66 | Allosteric pitch length tuning of a dinuclear double helicate. <i>Chemical Communications</i> , 2005, , 4158.   | 2.2 | 16        |
| 67 | 12-Manganese, technetium and rhenium. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2005, 101, 194.  | 0.8 | 1         |
| 68 | Functionalized Helicates. , 2004, , 1-11.   |     | 0         |
| 69 | Allosteric and Electrostatic Reprogramming of a Ditopic Ligand. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4515-4518.   | 7.2 | 30        |
| 70 | Main Group Compounds. <i>Inorganic Syntheses</i> , 2004, , 1-48.  | 0.3 | 15        |
| 71 | Anion control of the formation of geometric isomers in a triple helical arrayElectronic supplementary information (ESI) available: Structure refinement. See <a href="http://www.rsc.org/suppdata/dt/b4/b407487b/">http://www.rsc.org/suppdata/dt/b4/b407487b/</a> . <i>Dalton Transactions</i> , 2004, , 2396.   | 1.6 | 51        |
| 72 | Anion control of ligand self-recognition in a triple helical arrayElectronic supplementary information (ESI) available: synthesis and characterisation of ligands and complexes. All new compounds were characterised by CHN, 1H NMR and ESI-MS. 1H NMR of the mixing experiment. See <a href="http://www.rsc.org/suppdata/cc/b3/b313218h/">http://www.rsc.org/suppdata/cc/b3/b313218h/</a> . <i>Chemical Communications</i> , 2004, , 654. | 2.2 | 59        |

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|----|--|------|-----------|
| 73 | Novel multidentate pyridyl/thiazolyl ligands containing terpyridine units: formation of dinuclear and trinuclear double helicate complexes.. <i>Inorganica Chimica Acta</i> , 2003, 351, 207-216.  | 1.2  | 11        |
| 74 | Cadmium-containing pyridyl-thiazole complexes: crystal structures and solution behaviour of mononuclear, dinuclear double helicate and dinuclear triple helicate complexes. <i>Polyhedron</i> , 2003, 22, 755-762.   | 1.0  | 19        |
| 75 | New multidentate ligands for supramolecular coordination chemistry: double and triple helical complexes of ligands containing pyridyl and thiazolyl donor units. <i>Dalton Transactions RSC</i> , 2001, , 550-559.   | 2.3  | 61        |
| 76 | New hybrid ditopic ligands containing fused phenanthroline and crown ether units. <i>New Journal of Chemistry</i> , 2001, 25, 185-187.   | 1.4  | 32        |
| 77 | Folding of a poly(oxyethylene) chain as probed by photoinduced energy transfer between Ru <sup>II</sup> and Os <sup>II</sup> polypyridine termini. <i>Dalton Transactions RSC</i> , 2001, , 2228-2231.   | 2.3  | 13        |
| 78 | Pyridyl-thiazole multidentate ligands: metal-specific recognition of a combination of ligands from a mixture. <i>Dalton Transactions RSC</i> , 2001, , 3039-3044.  | 2.3  | 16        |
| 79 | Mononuclear Cu(II) and triple helical dinuclear Co(II) complexes of a new potentially tetradentate ligand containing inequivalent bidentate units. <i>Inorganica Chimica Acta</i> , 2001, 324, 331-335.  | 1.2  | 10        |
| 80 | Three sulfur-containing diborane(4) compounds. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 440-444.  | 0.4  | 9         |
| 81 | A new synthesis of a potentially versatile ligand 2,2'-bi-(1,10-phenanthroline): crystal structure and complexation chemistry. <i>Polyhedron</i> , 2000, 19, 495-498.  | 1.0  | 20        |
| 82 | Catechol as an efficient anchoring group for attachment of ruthenium polypyridine photosensitisers to solar cells based on nanocrystalline TiO <sub>2</sub> films. <i>New Journal of Chemistry</i> , 2000, 24, 651-652.  | 1.4  | 115       |
| 83 | Pyridyl-thiazoles as a new class of ligand for metallosupramolecular chemistry: formation of double and triple helicates with Cu(II). <i>Chemical Communications</i> , 2000, , 1529-1530.  | 2.2  | 36        |
| 84 | Diborane(4) compounds incorporating thio- and seleno-carboranyl groups. <i>New Journal of Chemistry</i> , 2000, 24, 837-839.   | 1.4  | 32        |
| 85 | Platinum Catalysed Diboration of Terminal Alkenes with Chiral Diborane(4) Compounds. <i>Tetrahedron Letters</i> , 1998, 39, 155-158.   | 0.7  | 83        |
| 86 | Oxidative addition of boron-boron, boron-chlorine and boron-bromine bonds to platinum(0) 1 Dedicated to Professor Ken Wade on the occasion of his 65th birthday and in recognition of his outstanding contributions to the understanding of the chemistry of boron.1. <i>Journal of Organometallic Chemistry</i> , 1998, 550, 183-192. | 0.8  | 95        |
| 87 | Preparation and structure of cis-[Pt(BF <sub>2</sub> ) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ]: the first crystallographically characterised complex containing the BF <sub>2</sub> ligand. <i>Chemical Communications</i> , 1998, , 319-320.  | 2.2  | 50        |
| 88 | Boron-boron bond oxidative addition to rhodium(I) and iridium(I) centres. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 301-310.  | 1.1  | 48        |
| 89 | Platinum-catalysed 1,4-diboration of 1,3-dienes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1431-1438.   | 1.1  | 70        |
| 90 | Transition Metal-Boryl Compounds: Synthesis, Reactivity, and Structure. <i>Chemical Reviews</i> , 1998, 98, 2685-2722.   | 23.0 | 562       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 91 | Platinum catalysed 1,4-diboration of $\hat{1}\pm,\hat{1}^2$ -unsaturated ketones. Chemical Communications, 1997, , 2051-2052.   | 2.2 | 144       |
| 92 | Reaction between rhodium(iii) bisboryls and diborane(4) compounds: evidence for a $\hat{1}$ -bond metathesis process. Chemical Communications, 1997, , 53-54.   | 2.2 | 38        |
| 93 | Isolation and structural characterization of novel compounds containing B4O2 rings. Polyhedron, 1997, 16, 2325-2328.  | 1.0 | 24        |
| 94 | Cobalt(II)-catalysed decomposition of hydroperoxides. Implications for alkane functionalization. Polyhedron, 1996, 15, 1893-1897.   | 1.0 | 23        |
| 95 | Catalysis by $\hat{1}\mu$ -oxo diiron(III) complexes of the methanolysis of epoxides and the addition of alcohols and thiols to phenyl isocyanate. Journal of the Chemical Society Chemical Communications, 1995, , 2265-2266.                                | 2.0 | 6         |
| 96 | Synthesis of a chiral monosubstituted derivative of bis(ethylenedithio)tetrathiafulvalene: reaction of the cyclic sulfate ester of R,R-1,4-difluorobutane-2,3-diol with 2-thioxo-1,3-dithiole-4,5-dithiolate. Journal of Materials Chemistry, 1995, 5, 1553.  | 6.7 | 20        |
| 97 | trans Deformation of a carbon $\hat{1}$ carbon triple bond in response to incipient nucleophilic attack: the X-ray crystal structure of ethyl 3-(2-nitrophenyl)propynoate at 150 K. Journal of the Chemical Society Chemical Communications, 1993, , 572-574. | 2.0 | 3         |