

Craig R Rice

List of Publications by Year in descending order

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97
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2,924
citations

185998

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docs citations

105
times ranked

2853
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition Metal π -Boryl Compounds: A Synthesis, Reactivity, and Structure. <i>Chemical Reviews</i> , 1998, 98, 2685-2722.	23.0	562
2	Platinum catalysed 1,4-diboration of α,β -unsaturated ketones. <i>Chemical Communications</i> , 1997, , 2051-2052.	2.2	144
3	Metal-assembled anion receptors. <i>Coordination Chemistry Reviews</i> , 2006, 250, 3190-3199.	9.5	117
4	Catechol as an efficient anchoring group for attachment of ruthenium π -polypyridine photosensitisers to solar cells based on nanocrystalline TiO ₂ films. <i>New Journal of Chemistry</i> , 2000, 24, 651-652.	1.4	115
5	Oxidative addition of boron π -boron, boron π -chlorine and boron π -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
6	Platinum Catalysed Diboration of Terminal Alkenes with Chiral Diborane(4) Compounds. <i>Tetrahedron Letters</i> , 1998, 39, 155-158.	0.7	83
7	Platinum-catalysed 1,4-diboration of 1,3-dienes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1431-1438.	1.1	70
8	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
9	Anion control of ligand self-recognition in a triple helical array Electronic supplementary information (ESI) available: synthesis and characterisation of ligands and complexes. All new compounds were characterised by CHN, ¹ H NMR and ESI-MS. ¹ H NMR of the mixing experiment. See http://www.rsc.org/suppdata/cc/b3/b313218h/ . <i>Chemical Communications</i> , 2004, , 654.	2.2	59
10	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
11	Anion control of the formation of geometric isomers in a triple helical array Electronic supplementary information (ESI) available: Structure refinement. See http://www.rsc.org/suppdata/dt/b4/b407487b/ . <i>Dalton Transactions</i> , 2004, , 2396.	1.6	51
12	Preparation and structure of cis-[Pt(BF ₂) ₂ (PPh ₃) ₂]: the first crystallographically characterised complex containing the BF ₂ ligand. <i>Chemical Communications</i> , 1998, , 319-320.	2.2	50
13	Boron π -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
14	Synthesis, characterisation and theoretical study of ruthenium 4,4'-bi-1,2,3-triazolyl complexes: fundamental switching of the nature of S ₁ and T ₁ states from MLCT to MC. <i>Dalton Transactions</i> , 2012, 41, 7637.	1.6	47
15	An iron-catalysed C π -C bond-forming spirocyclization cascade providing sustainable access to new 3D heterocyclic frameworks. <i>Nature Chemistry</i> , 2017, 9, 396-401.	6.6	44
16	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
17	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
18	Ruthenium π -Containing Linear Helicates and Mesocates with Tuneable p53 π -Selective Cytotoxicity in Colorectal Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9799-9804.	7.2	39

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19	Reaction between rhodium(iii) bisboryls and diborane(4) compounds: evidence for a B-B bond metathesis process. <i>Chemical Communications</i> , 1997, , 53-54.	2.2	38
20	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
21	Unambiguous Characterization of a Photoreactive Ligand-Loss Intermediate. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10826-10829.	7.2	36
22	Head-to-Tail and Heteroleptic Pentanuclear Circular Helicates. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6655-6658.	7.2	35
23	Unravelling the Mechanism of Excited-State Interligand Energy Transfer and the Engineering of Dual Emission in $[\text{Ir}(\text{C}^{\wedge}\text{N})_2(\text{N}^{\wedge}\text{N})]^{+}$ Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 1785-1803.	1.9	33
24	Diborane(4) compounds incorporating thio- and seleno-carboranyl groups. <i>New Journal of Chemistry</i> , 2000, 24, 837-839.	1.4	32
25	New hybrid ditopic ligands containing fused phenanthroline and crown ether units. <i>New Journal of Chemistry</i> , 2001, 25, 185-187.	1.4	32
26	Steric control of the formation of dinuclear double helicate and dinuclear meso-helicate assemblies. <i>Chemical Communications</i> , 2013, 49, 7785.	2.2	32
27	Allosteric and Electrostatic Reprogramming of a Ditopic Ligand. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4515-4518.	7.2	30
28	Controlling the formation of metallosupramolecular assemblies by metal ionic radii. <i>Chemical Communications</i> , 2010, 46, 3496.	2.2	29
29	Allosteric-Controlled Metal Specificity of a Ditopic Ligand. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6909-6912.	7.2	28
30	Localization and Delocalization in a Mixed-Valence Dicopper Helicate. <i>Inorganic Chemistry</i> , 2007, 46, 2417-2426.	1.9	28
31	A wavelength and lifetime responsive cryptate-containing fluorescent probe for zinc ions in water. <i>Chemical Communications</i> , 2008, , 6185.	2.2	27
32	Photochemistry of Ru^{II} 4,4'-bis(1,2,3-triazolyl) (btz) Complexes: Crystallographic Characterization of the Photoreactive Ligand-Loss Intermediate <i>trans</i> - $[\text{Ru}(\text{bpy})(\text{btz})_2(\text{NCMe})]^{2+}$. <i>Chemistry - A European Journal</i> , 2014, 20, 8467-8476.	1.7	27
33	Allosteric deprogramming of a trinuclear heterometallic helicate. <i>Dalton Transactions</i> , 2007, , 1577.	1.6	26
34	Isolation and structural characterization of novel compounds containing B4O2 rings. <i>Polyhedron</i> , 1997, 16, 2325-2328.	1.0	24
35	Barium induced modulation of NIR emission in a neodymium cryptate complex. <i>Chemical Communications</i> , 2006, , 5048.	2.2	24
36	Coumarin-based luminescent ligand that forms helicates with dicationic metal ions. <i>Dalton Transactions</i> , 2009, , 10570.	1.6	24

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37	Cobalt(II)-catalysed decomposition of hydroperoxides. Implications for alkane functionalization. <i>Polyhedron</i> , 1996, 15, 1893-1897.	1.0	23
38	Photochemistry of [Ru(pytz)(btz) ₂] ²⁺ and Characterization of a ¹ P-btz Ligand-Loss Intermediate. <i>Inorganic Chemistry</i> , 2016, 55, 7787-7796.	1.9	23
39	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
40	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
41	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
42	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. <i>Journal of Materials Chemistry</i> , 1995, 5, 1553.	6.7	20
43	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
44	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
45	Labilizing the Photoinert: Extraordinarily Facile Photochemical Ligand Ejection in an [Os(N ⁺ N) ₃] ²⁺ Complex. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10697-10701.	7.2	19
46	Luminescent rhenium fac-tricarbonyl-containing complexes of androgenic oxo-steroids. <i>Dalton Transactions</i> , 2012, 41, 14690.	1.6	18
47	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
48	Photophysical and Cellular Imaging Studies of Brightly Luminescent Osmium(II) Pyridylthiazole Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 13201-13212.	1.9	18
49	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
50	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
51	Diastereoselective assembly of pentanuclear circular helicates. <i>Dalton Transactions</i> , 2011, 40, 12381.	1.6	17
52	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
53	Allosteric pitch length tuning of a dinuclear double helicate. <i>Chemical Communications</i> , 2005, , 4158.	2.2	16
54	A robust method for the synthesis and isolation of ¹² -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

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55	Mitochondria-localising DNA-binding biscyclometalated phenyltriazole iridium(III) dipyrrophenazine complexes: syntheses and cellular imaging properties. Dalton Transactions, 2018, 47, 4931-4940.	1.6	16
56	Main Group Compounds. Inorganic Syntheses, 2004, , 1-48.	0.3	15
57	5-Hydroxy substituted naphthofurans and naphthothiazoles as precursors of photochromic benzochromenes. Tetrahedron, 2014, 70, 9352-9358.	1.0	15
58	Ruthenium-Containing Linear Helicates and Mesocates with Tuneable p53-Selective Cytotoxicity in Colorectal Cancer Cells. Angewandte Chemie, 2018, 130, 9947-9952.	1.6	15
59	Folding of a poly(oxyethylene) chain as probed by photoinduced energy transfer between Ru ^{II} and Os ^{II} polypyridine termini. Dalton Transactions RSC, 2001, , 2228-2231.	2.3	13
60	Cyclic Vinyl(aryl)iodonium Salts: Synthesis and Reactivity. Organic Letters, 2019, 21, 6936-6939.	2.4	12
61	Self-Assembled Anion-Binding Cryptand for the Selective Liquid-Liquid Extraction of Phosphate Anions. Angewandte Chemie - International Edition, 2020, 59, 20480-20484.	7.2	12
62	Novel multidentate pyridyl/thiazolyl ligands containing terpyridine units: formation of dinuclear and trinuclear double helicate complexes.. Inorganica Chimica Acta, 2003, 351, 207-216.	1.2	11
63	Self-assembly of an anion receptor with metal-dependent kinase inhibition and potent in vitro anti-cancer properties. Nature Communications, 2021, 12, 3898.	5.8	11
64	Mononuclear Cu(II) and triple helical dinuclear Co(II) complexes of a new potentially tetradentate ligand containing inequivalent bidentate units. Inorganica Chimica Acta, 2001, 324, 331-335.	1.2	10
65	Isomeric pyridyl-thiazole donor units for metal ion recognition in bi- and tri-metallic helicates. Chemical Communications, 2009, , 4856.	2.2	10
66	The Remarkable Hyperchromicity of Keto-hydrazone Dyes and Pigment Lakes Derived from 4-Morpholino-2-naphthol. European Journal of Organic Chemistry, 2013, 2013, 8097-8107.	1.2	10
67	Three sulfur-containing diborane(4) compounds. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, 440-444.	0.4	9
68	Metal-specific allosteric activation and deactivation of a diamine. Chemical Communications, 2008, , 108-110.	2.2	9
69	Synthesis of ligands containing N-oxide donor atoms and their assembly into metallosupramolecular structures. Dalton Transactions, 2013, 42, 5805.	1.6	9
70	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. Organic and Biomolecular Chemistry, 2019, 17, 9585-9604.	1.5	9
71	Photochemistry of Heteroleptic 1,4,5,8-Tetraazaphenanthrene- and Bi-1,2,3-triazolyl-Containing Ruthenium(II) Complexes. Inorganic Chemistry, 2021, 60, 15768-15781.	1.9	9
72	Cyclopropenones in the synthesis of indolizidine, pyrrolo[2,1-a]isoquinoline and indolizino[8,7-b]indole alkaloids. Tetrahedron, 2020, 76, 131570.	1.0	8

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73	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
74	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
75	Catalysis by μ -oxo diiron(III) complexes of the methanolysis of epoxides and the addition of alcohols and thiols to phenyl isocyanate. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 2265-2266.	2.0	6
76	Electrostatic control of the formation of heteroleptic transition metal helicates. <i>New Journal of Chemistry</i> , 2007, 31, 1525.	1.4	6
77	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
78	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
79	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
80	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
81	Synthesis of novel isoflavone/benzo- γ -sultam hybrids as potential anti-inflammatory drugs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 34, 127761.	1.0	6
82	Probing solution behaviour of metallosupramolecular complexes using pyrene fluorescence. <i>Dalton Transactions</i> , 2012, 41, 1568-1573.	1.6	5
83	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
84	trans Deformation of a carbon-carbon triple bond in response to incipient nucleophilic attack: the X-ray crystal structure of ethyl 3-(2-nitrophenyl)propynoate at 150 K. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 572-574.	2.0	3
85	Labilizing the Photoinert: Extraordinarily Facile Photochemical Ligand Ejection in an $[\text{Os}(\text{N}^{\wedge}\text{N})_3]^{2+}$ Complex. <i>Angewandte Chemie</i> , 2016, 128, 10855-10859.	1.6	3
86	A structural study of dithizone coordination chemistry. <i>CrystEngComm</i> , 2017, 19, 3414-3419.	1.3	3
87	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
88	Quenching of the phosphorescence of thermally reversible photochromic naphthopyran $\text{Re}(\text{scp})_2$ complexes initiated by either visible or ultraviolet radiation. <i>Dalton Transactions</i> , 2021, 50, 830-834.	1.6	3
89	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
90	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

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91	12 Manganese, technetium and rhenium. Annual Reports on the Progress of Chemistry Section A, 2005, 101, 194.	0.8	1
92	Tricarbonylchlorido(η^6 -7 η^2 -dihydro-5 η^2 H-spiro[cyclohexane-1,6 η^2 -dipyrido[3,2-d: η^2 ,3 η^2 -f][1,3]diazepine]- η^2 N1,N11)rhenium(I) complex. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m527-m527.	0.2	1
93	Tricarbonylchlorido(η^6 -7 η^2 -dihydro-5 η^2 H-spiro[cyclopentane-1,6 η^2 -dipyrido[3,2-d: η^2 ,3 η^2 -f][1,3]diazepine]- η^2 N1,N11)rhenium(I) complex. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m526-m526.	0.2	1
94	Functionalized Helicates. , 2004, , 1-11.		0
95	A ligand strand that displays anion-dependant reactivity with acetonitrile; formation of either a mononuclear complex or head-to-tail circular helicate. Dalton Transactions, 2019, 48, 8427-8432.	1.6	0
96	Anion dependent self-assembly; formation of an octanuclear assembly by templation with the selenite dianion. Polyhedron, 2020, 182, 114483.	1.0	0
97	A rhenium(I) complex which reacts with aldehydes and ketones in aqueous media: A structural, spectroscopic and theoretical analysis. Journal of Chemical Research, 2020, 44, 733-737.	0.6	0