

# Stephen B Colbran

## List of Publications by Year in descending order

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73  
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1,459  
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times ranked

1814  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proton reduction by phosphinidene-capped triiron clusters. <i>Journal of Organometallic Chemistry</i> , 2021, 943, 121816.	1.8	0
2	Ruthenium Complexes in Homogeneous and Heterogeneous Catalysis for Electroreduction of CO <sub>2</sub> . <i>ChemCatChem</i> , 2020, 12, 1292-1296.	3.7	9
3	Predictable Substituent Control of CoIII/II Redox Potential and Spin Crossover in Bis(dipyridylpyrrolide)cobalt Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 2218-2228.	4.0	24
4	Structural features of molecular electrocatalysts in multi-electron redox processes for renewable energy – recent advances. <i>Sustainable Energy and Fuels</i> , 2019, 3, 2159-2175.	4.9	31
5	Synthesis and structural, redox and photophysical properties of tris-(2,5-di(2-pyridyl)pyrrolide) lanthanide complexes. <i>Dalton Transactions</i> , 2019, 48, 9365-9375.	3.3	3
6	Tridentate pyridine–pyrrolide chelate ligands: An under-appreciated ligand set with an immensely promising coordination chemistry. <i>Coordination Chemistry Reviews</i> , 2018, 375, 285-332.	18.8	46
7	Oligomers and macrocycles with [m]pyridine[n]pyrrole (m + n = 3) domains: Formation and applications of anion, guest molecule and metal ion complexes. <i>Coordination Chemistry Reviews</i> , 2018, 363, 29-56.	18.8	16
8	Evaluation of Organic Hydride Donors as Reagents for the Reduction of Carbon Dioxide and Metal-Bound Formates. <i>Organometallics</i> , 2018, 37, 3972-3982.	2.3	4
9	A Strain-Deformation Nexus within Pincer Ligands: Application to the Spin States of Iron(II) Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 12312-12322.	4.0	22
10	Bridgehead isomer effects in bis(phosphido)-bridged diiron hexacarbonyl proton reduction electrocatalysts. <i>Dalton Transactions</i> , 2017, 46, 3207-3222.	3.3	12
11	An aryl-bridged dioxanthene scaffold for building multinucleating ligands and supramolecular assemblies: Syntheses and structures. <i>Tetrahedron</i> , 2017, 73, 6401-6409.	1.9	2
12	Strategic design of a ruthenium catalyst for both CO <sub>2</sub> reduction and H <sub>2</sub> O oxidation: the electronic influence of the co-ligands. <i>Chemical Communications</i> , 2017, 53, 10006-10009.	4.1	20
13	Synthesis and (spectro)electrochemical investigations of coordinatively-saturated (cyclopentadienyl)ruthenium–Hantzsch pyridinium/dihydropyridine conjugates. <i>Inorganica Chimica Acta</i> , 2016, 444, 103-112.	2.4	6
14	Bio-Inspired Transition Metal–Organic Hydride Conjugates for Catalysis of Transfer Hydrogenation: Experiment and Theory. <i>Chemistry - A European Journal</i> , 2015, 21, 2821-2834.	3.3	10
15	An Easy One-Pot Synthesis of Diverse 2,5-Di(2-pyridyl)pyrroles: A Versatile Entry Point to Metal Complexes of Functionalised, Meridial and Tridentate 2,5-Di(2-pyridyl)pyrrolato Ligands. <i>Chemistry - A European Journal</i> , 2014, 20, 11445-11456.	3.3	22
16	Tri-1/4-chlorido-bis[( <sup>5</sup> -pentamethylcyclopentadienyl)rhodium(III)] hexafluoridophosphate from synchrotron radiation. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, m14-m15.	0.2	2
17	Macrocyclic Bis(phenanthroline–pyrrole): A Convenient One-Pot Synthesis, Structure(s), Spectroscopic, and Redox Properties, and the Binding of Amine Guests, Protons, and Lanthanide Ions. <i>Chemistry - an Asian Journal</i> , 2014, 9, 136-145.	3.3	13
18	Low Oxidation State Iron(0), Iron(I), and Ruthenium(0) Dinitrogen Complexes with a Very Bulky Neutral Phosphine Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 3043-3053.	4.0	28

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19	Flexible dinucleating N,N,N-tridentate ligands based on a xanthene scaffold. <i>Inorganica Chimica Acta</i> , 2013, 399, 55-61.	2.4	1
20	Bio-inspired Catalytic Imine Reduction by Rhodium Complexes with Tethered Hantzsch Pyridinium Groups: Evidence for Direct Hydride Transfer from Dihydropyridine to Metal-Activated Substrate. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3411-3416.	13.8	25
21	The coordination chemistry of organo-hydride donors: new prospects for efficient multi-electron reduction. <i>Chemical Society Reviews</i> , 2013, 42, 5439.	38.1	131
22	A dimer of bis(N-heterocyclic carbene)rhodium(I) centres spanned by a dibenzo-18-crown-6 bridge from synchrotron radiation. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m47-m48.	0.2	0
23	trans-Chloridobis(4-methylpyridine- $\kappa^N$ )(4,4'-,4''-tri-tert-butyl-2,2'-,2''-terpyridine- $\kappa^3N,N,N'$ )ruthenium(II) hexafluoridophosphate acetone monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m300-m300.	0.2	0
24	The redox interaction between the vanadyl cation and tris[6-(2-hydroxymethyl)pyridylmethyl]amine. <i>Inorganica Chimica Acta</i> , 2012, 392, 490-493.	2.4	2
25	Bridgehead Hydrogen Atoms Are Important: Unusual Electrochemistry and Proton Reduction at Iron Dimers with Ferrocenyl-Substituted Phosphido Bridges. <i>Organometallics</i> , 2012, 31, 3480-3491.	2.3	25
26	Rhodium Complexes of a Chelating Ligand with Imidazol-2-ylidene and Pyridin-2-ylidene Donors: The Effect of $\pi$ -Metalation of Nicotinamide Groups on Uptake of Hydride Ion. <i>Inorganic Chemistry</i> , 2012, 51, 2191-2203.	4.0	18
27	Structural, electrochemical and photochemical investigation of the water-soluble tin(IV) tetrakis(2-N-hydroxyethyl-4-pyridinium)porphyrin photocatalyst. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011, 15, 1345-1353.	0.8	8
28	Four Soft Donors and a Hard Centre: Rhodium Complexes of a Novel Tetrakis(NHC)-Encapsulated Crown Ether Ligand. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4331-4337.	2.0	9
29	Palladium(II) complexes of imidazol-2-ylidene N-heterocyclic carbene ligands with redox-active dimethoxyphenyl or (hydro)quinonyl substituents. <i>Inorganica Chimica Acta</i> , 2011, 370, 374-381.	2.4	9
30	Controlled Synthesis of Dinuclear Acetylide-Bridged Ruthenium Complexes. <i>Organometallics</i> , 2010, 29, 957-965.	2.3	28
31	Copper(II) complexes of ligands derived from tryptamine. <i>Polyhedron</i> , 2009, 28, 1097-1102.	2.2	2
32	Fluxionality in a Paramagnetic Seven-Coordinate Iron(II) Complex: A Variable-Temperature, Two-Dimensional NMR and DFT Study. <i>Inorganic Chemistry</i> , 2009, 48, 4863-4872.	4.0	19
33	Ruthenium Phthalocyanine-Bipyridyl Dyads as Sensitizers for Dye-Sensitized Solar Cells: Dye Coverage versus Molecular Efficiency. <i>Inorganic Chemistry</i> , 2009, 48, 3215-3227.	4.0	54
34	Synthesis, electrochemistry and spectroscopic properties of ruthenium phthalocyanine and naphthalocyanine complexes with triphenylarsine ligands. <i>Inorganica Chimica Acta</i> , 2008, 361, 49-55.	2.4	15
35	Valence Tautomerism and Coordinative Lability in Copper(II)-Imidazolyl-Semiquinonate Anion Radical Models for the Cu Center in Cytochrome c Oxidases. <i>Journal of the American Chemical Society</i> , 2007, 129, 5800-5801.	13.7	22
36	The instructive redox behaviour of 4-ferrocenylcatechol on nanocrystalline titanium dioxide electrodes. <i>Applied Organometallic Chemistry</i> , 2007, 21, 73-75.	3.5	3

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37	Optical and Redox Properties of Ruthenium Phthalocyanine Complexes Tuned with Axial Ligand Substituents. <i>Inorganic Chemistry</i> , 2007, 46, 2805-2813.	4.0	46
38	Covalently Linked Ferrocenyl Quinones: Proton-Dependent Redox Behavior and Charge Redistribution. <i>Organometallics</i> , 2006, 25, 2216-2224.	2.3	38
39	Metal-ion chemistry of tetra(meso-4-phenoxy-2-picolyl)-calix[4]pyrrole: An extendable super-cavitand tetrapodal ligand. <i>Inorganic Chemistry Communication</i> , 2006, 9, 469-472.	3.9	7
40	Copper(I) tribromide dianion as a weakly-bridging, axial ligand: Synthesis of an unusual mixed-valent Cu(II)2Cu(I) trimer. <i>Inorganic Chemistry Communication</i> , 2006, 9, 887-890.	3.9	8
41	Programmed Helicity in Self-Assembled Hydrogen-Bonded Chains of Chiral Copper(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1190-1197.	2.0	20
42	meso-Indanyl calix[4]pyrrole receptors. <i>Tetrahedron</i> , 2005, 61, 10705-10712.	1.9	17
43	Synthesis and structure of copper(II) complexes of two new poly(2-pyridylalkyl)diamine ligands. <i>Inorganica Chimica Acta</i> , 2004, 357, 3793-3798.	2.4	4
44	Could the tyrosine-histidine ligand to CuB in cytochrome c oxidase be coordinatively labile? Implications from a quantum chemical model study of histidine substitutional lability and the effects of the covalent tyrosine-histidine cross-link. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 855-865.	2.6	11
45	Could Redox-Switched Binding of a Redox-Active Ligand to a Copper(II) Centre Drive a Conformational Proton Pump Gate? A Synthetic Model Study. <i>Chemistry - A European Journal</i> , 2003, 9, 116-129.	3.3	43
46	An unusual but informative synthesis and the crystal structure of [Co(tpaCO2)Cl](ClO4) (tpaCO2 <sup>2-</sup> =6-carboxylato-2-(pyridylmethyl)-bis(2-pyridylmethyl)amine). <i>Inorganic Chemistry Communication</i> , 2003, 6, 1351-1353.	3.9	11
47	Copper complexes with ferrocenyl pendants: Evidence for an Fe <sup>II</sup> $\rightleftharpoons$ Cu <sup>I</sup> $\rightleftharpoons$ Fe <sup>III</sup> $\rightleftharpoons$ Cu <sup>I</sup> electron transfer equilibrium leading to a reaction with dioxygen. <i>Dalton Transactions RSC</i> , 2002, , 983-994.	2.3	35
48	Monomeric and dimeric metal complexes of a simply prepared and versatile pentapyridyldiamine. <i>Inorganic Chemistry Communication</i> , 2002, 5, 958-962.	3.9	15
49	A palladium(II) complex of a new iminophosphine ligand derived from diethylenetriamine and 2-(diphenylphosphino)benzaldehyde. <i>Inorganica Chimica Acta</i> , 2000, 307, 134-138.	2.4	15
50	Copper(II) complexes of 6-hydroxymethyl-substituted tris(2-pyridylmethyl)amine ligands. <i>Dalton Transactions RSC</i> , 2000, , 1419-1429.	2.3	26
51	Copper(II/I) complexes of a bulky tris(pyrazolylmethyl)amine ligand. <i>Dalton Transactions RSC</i> , 2000, , 3445-3452.	2.3	20
52	A simple route to bis(terpyridyl)transition metal oligomers. <i>Inorganica Chimica Acta</i> , 1999, 284, 76-84.	2.4	28
53	Reduction of (1,5-C5Ph4q)Ru(CO)2Br (q = 2,5-Benzoquinonyl): Evidence for an 18 e <sup>-</sup> Metalate Anion with a Reduced (Semiquinone) Substituent. <i>Organometallics</i> , 1997, 16, 4254-4256.	2.3	5
54	Syntheses, electrochemistry and electrodeposition of ruthenium(II) complexes of 4,4'-bis(4-anilino-vinyl)-2,2'-bipyridine. <i>Polyhedron</i> , 1997, 16, 2705-2710.	2.2	5

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55	Inclusion properties of palladium(II) and platinum(II) hydroquinonylphosphine complexes: the molecular and crystal structures of trans-[PdCl <sub>2</sub> (pphgH <sub>2</sub> ) <sub>2</sub> ](acetone) <sub>2</sub> , trans-[PtCl <sub>2</sub> (pphgH <sub>2</sub> ) <sub>2</sub> ](dimethylformamide) <sub>4</sub> and trans-[PdCl <sub>2</sub> (pphgMe <sub>2</sub> ) <sub>2</sub> ]. <i>Inorganica Chimica Acta</i> , 1995, 228, 109-117.	2.4	17
56	Homoleptic Fe(II) complexes of new 2,2'-bipyridine, 2,2'-terpyridine ligands with 4-hydroquinonyl or 4-quinonyl pendants. <i>Inorganica Chimica Acta</i> , 1995, 239, 1-4.	2.4	16
57	Complexes of New Electrochemically-Active p-Quinonyl/p-hydroquinonylphosphines: Multiple Electron/Proton Transfer Reactions and Electrochemical/pH Control of p-Quinonyl/p-Hydroquinonyl o-Oxygen Atom Coordination. <i>Inorganic Chemistry</i> , 1995, 34, 761-762.	4.0	41
58	Chemical and electrochemical syntheses, and characterization of poly(2,5-dimethoxyaniline) (PDMA): a novel, soluble, conducting polymer. <i>Synthetic Metals</i> , 1994, 62, 179-186.	3.9	56
59	Reduction Chemistry of Organometallic Molybdenum, Tungsten, and Ruthenium Bromo Complexes of the Bulky, Perarylated Cyclopentadienyl Ligand .eta.5-CPh <sub>4</sub> phqMe <sub>2</sub> : Evidence for the Intermediacy of Metal-Centered Radicals and Nucleophilic Reactions of Product Metalate Anions with Chlorinated Solvent. <i>Organometallics</i> , 1994, 13, 1061-1063.	2.3	8
60	Synthesis, electrochemical and spectroscopic properties of pendant hydroquinone- and quinone-substituted polypyridyl ruthenium(II) complexes. <i>Inorganica Chimica Acta</i> , 1993, 204, 3-7.	2.4	22
61	Syntheses, properties, and X-ray crystal structures of the molybdenum dimers [#Cp <sub>2</sub> Mo <sub>2</sub> Br <sub>2</sub> (CO) <sub>2</sub> ] and [#Cp <sub>2</sub> Mo <sub>2</sub> Br <sub>4</sub> ] (#Cp = .eta.5-1-(2,5-dimethoxyphenyl)-2,3,4,5-tetraphenylcyclopentadienyl). <i>Organometallics</i> , 1993, 12, 133-139.	2.3	17
62	Palladium(II) complexes of 2-(2,5-dimethoxyphenyl)-1,10-phenanthroline (phenhqMe <sub>2</sub> ) and 2-(2,5-hydroquinonyl)-1,10-phenanthroline (phenhqH <sub>2</sub> ). The x-ray crystal structure of [PdCl(phenhqH)]·H <sub>2</sub> O·(CH <sub>3</sub> ) <sub>2</sub> SO. <i>Polyhedron</i> , 1992, 11, 243-250.	2.2	20
63	The preparation, properties and X-ray crystal structure of the nickel(II) hydroquinonylphosphine complex cis-[Ni(pphqH) <sub>2</sub> ](H <sub>2</sub> O) <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub> NCHO. <i>Inorganica Chimica Acta</i> , 1992, 202, 67-72.	2.4	16
64	Pendant-para-benzoquinonyl substituted cyclopentadienyl ligands: preparation of 1-para-benzoquinonyl-2,3,4,5-tetraphenylcyclopentadienyl (1.5-η <sup>5</sup> -CpQ) ruthenium(II) carbonyl complexes. <i>Journal of Organometallic Chemistry</i> , 1991, 408, C33-C38.	1.8	9
65	Reactions of [MCl <sub>2</sub> (ppqMe <sub>2</sub> ) <sub>2</sub> ] (M=Pd, Pt) with I <sup>-</sup> and with CF <sub>3</sub> SO <sub>3</sub> H/I <sup>-</sup> including the synthesis and X-ray crystal structure of the palladium phosphidoxo complex [Pd <sub>2</sub> (I <sup>1/4</sup> ) <sub>2</sub> {(PPh <sub>2</sub> ) <sub>2</sub> H <sub>2</sub> } <sub>2</sub> ]. <i>Inorganica Chimica Acta</i> , 1990, 176, 225-231.	2.4	14
66	An X-ray crystal and electronic structural investigation of the interstitial phosphide cluster [Os <sub>6</sub> (CO) <sub>18</sub> PCl]. <i>Polyhedron</i> , 1988, 7, 1759-1765.	2.2	11
67	Electron transfer in organometallic clusters. <i>Journal of Organometallic Chemistry</i> , 1987, 330, 415-428.	1.8	16
68	Systematic synthesis and characterisation of phosphido-bridged triosmium carbonyl clusters. <i>Journal of Organometallic Chemistry</i> , 1985, 296, c1-c5.	1.8	31
69	Synthesis, structure and redox properties of [(η <sup>5</sup> -C <sub>5</sub> H <sub>5</sub> )Fe[μ <sub>3</sub> -σ <sub>3</sub> :η <sup>4</sup> -NiC <sub>4</sub> R <sub>4</sub> (η <sup>5</sup> -C <sub>5</sub> H <sub>5</sub> )]] <sub>3</sub> . A ferrocene analog with a nickelacyclopentadiene ring. <i>Organometallics</i> , 1985, 4, 1594-1601.	2.3	31
70	Nitrosyl derivatives of tricobaltcarbon clusters. <i>Journal of Organometallic Chemistry</i> , 1984, 265, 199-204.	1.8	12
71	Electron transfer in organometallic clusters. 7. Bis(μ <sub>3</sub> -carbyne) clusters of cobalt including ferrocene derivatives. <i>Organometallics</i> , 1984, 3, 1344-1353.	2.3	30
72	Electron transfer in organometallic clusters. 2. Ferrocene-tricobalt carbon cluster compounds with multiple redox sites. <i>Organometallics</i> , 1983, 2, 943-951.	2.3	52

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73	Electron transfer in organometallic clusters. 3. Electron transfer and mixed-valence properties of substituted ferrocene-tricobalt carbon clusters. <i>Organometallics</i> , 1983, 2, 952-957.	2.3	37