

# Tim Storr

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

108  
papers

3,493  
citations

35  
h-index

56  
g-index

116  
ext. papers

3,879  
ext. citations

6.7  
avg, IF

5.36  
L-index

#	Paper	IF	Citations
108	A role for bioinorganic chemistry in the reactivation of mutant p53 in cancer.. <i>Journal of Biological Inorganic Chemistry</i> , <b>2022</b> , 1	3.7	0
107	Elaboration on the Electronics of Salen Manganese Nitrides: Investigations into Alkoxy-Substituted Ligand Scaffolds. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 16895-16905	5.1	1
106	Multifunctional compounds for the treatment of Alzheimer's disease. <i>Canadian Journal of Chemistry</i> , <b>2021</b> , 99, 1-9	0.9	4
105	Modification of amyloid-beta peptide aggregation photoactivation of strained Ru(ii) polypyridyl complexes. <i>Chemical Science</i> , <b>2021</b> , 12, 7510-7520	9.4	3
104	Exciton Coupling in Redox-Active Salen based Self-Assembled Metallacycles. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 16161-16172	4.8	
103	Metal complexes that bind to the amyloid- $\beta$ peptide of relevance to Alzheimer's disease. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 412, 213255	23.2	24
102	Effect of Distortions on the Geometric and Electronic Structures of One-Electron Oxidized Vanadium(IV), Copper(II), and Cobalt(II)/(III) Salen Complexes. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 5133-5148	5.1	18
101	A balancing act: using small molecules for therapeutic intervention of the p53 pathway in cancer. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 6995-7014	58.5	17
100	Distorted copper(ii) radicals with sterically hindered salens: electronic structure and aerobic oxidation of alcohols. <i>Dalton Transactions</i> , <b>2020</b> , 49, 12990-13002	4.3	4
99	A catalytic antioxidant for limiting amyloid-beta peptide aggregation and reactive oxygen species generation. <i>Chemical Science</i> , <b>2019</b> , 10, 1634-1643	9.4	26
98	Coordination-driven assembly of a supramolecular square and oxidation to a tetra-ligand radical species. <i>Chemical Communications</i> , <b>2019</b> , 55, 6082-6085	5.8	6
97	Stabilization of different redox levels of a tridentate benzoxazole amidophenoxide ligand when bound to Co(iii) or V(v). <i>Dalton Transactions</i> , <b>2019</b> , 48, 13326-13336	4.3	5
96	Modification of A $\beta$ Peptide Aggregation via Covalent Binding of a Series of Ru(III) Complexes. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 838	5	7
95	Bifunctional ligand design for modulating mutant p53 aggregation in cancer. <i>Chemical Science</i> , <b>2019</b> , 10, 10802-10814	9.4	12
94	Evaluation of Tc-sulfonamide and sulfocoumarin derivatives for imaging carbonic anhydrase IX expression. <i>Journal of Inorganic Biochemistry</i> , <b>2018</b> , 185, 63-70	4.2	18
93	Electronic Structure and Reactivity of One-Electron-Oxidized Copper(II) Bis(phenolate)-Dipyrrin Complexes. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 9708-9719	5.1	20
92	Exploiting exciton coupling of ligand radical intervalence charge transfer transitions to tune NIR absorption. <i>Chemical Science</i> , <b>2018</b> , 9, 1610-1620	9.4	8

91	Octahedral Co(III) salen complexes: the role of peripheral ligand electronics on axial ligand release upon reduction. <i>Canadian Journal of Chemistry</i> , <b>2018</b> , 96, 110-118	0.9	4
90	Disentangling the 1MLCT transition of [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> by Stark absorption spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 353, 618-624	4.7	2
89	Electronic Structure and Reactivity Studies of a Nonsymmetric One-Electron Oxidized Cu Bis-phenoxide Complex. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 481, 151-158	2.7	7
88	Preface for the Forum on Applications of Metal Complexes with Ligand-Centered Radicals. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 9577-9579	5.1	28
87	A small bifunctional chelator that modulates Aβ <sub>2</sub> aggregation. <i>Canadian Journal of Chemistry</i> , <b>2018</b> , 96, 78-82	0.9	5
86	Multifunctional Compounds for Activation of the p53-Y220C Mutant in Cancer. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 17734-17742	4.8	12
85	Synthesis and evaluation of benzothiazole-triazole and benzothiadiazole-triazole scaffolds as potential molecular probes for amyloid-β aggregation. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 1566-1573	3.6	26
84	Mn(IV) and Mn(V)-radical species supported by the redox non-innocent bis(2-amino-3,5-di-tert-butylphenyl)amine pincer ligand. <i>Chemical Communications</i> , <b>2017</b> , 53, 2764-2767	5.8	24
83	The Interaction of Metal Compounds with Protein Targets: New Tools in Medicinal Chemistry and Chemical Biology <b>2017</b> , 1-13		6
82	Cobalt(III) complexes with 2-acetylpyridine-derived Schiff bases: Studies investigating ligand release upon reduction. <i>Polyhedron</i> , <b>2017</b> , 124, 86-95	2.7	16
81	Electronic structure elucidation in oxidized metal-salen complexes. <i>Coordination Chemistry Reviews</i> , <b>2017</b> , 352, 67-82	23.2	60
80	Multi-target-directed phenol-triazole ligands as therapeutic agents for Alzheimer's disease. <i>Chemical Science</i> , <b>2017</b> , 8, 5636-5643	9.4	66
79	The structure of a one-electron oxidized Mn(III)-bis(phenolate)dipyrrin radical complex and oxidation catalysis control via ligand-centered redox activity. <i>Dalton Transactions</i> , <b>2016</b> , 45, 16325-16334	4.3	20
78	Synthesis and electronic structure determination of uranium(VI) ligand radical complexes. <i>Dalton Transactions</i> , <b>2016</b> , 45, 12576-86	4.3	23
77	Tuning Electronic Structure To Control Manganese Nitride Activation. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15299-15302	16.4	43
76	Electronic Structure Description of a Doubly Oxidized Bimetallic Cobalt Complex with Proradical Ligands. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 762-74	5.1	25
75	A sheet structured MOF magnet: Poly[(1,10-phenanthroline)tetrakis(imidazolato)diiron(II)]. <i>Polyhedron</i> , <b>2016</b> , 108, 80-86	2.7	
74	Low energy cyclotron production and cyclometalation chemistry of iridium-192. <i>Applied Radiation and Isotopes</i> , <b>2016</b> , 115, 81-86	1.7	0

73	Multifunctional quinoline-triazole derivatives as potential modulators of amyloid- $\beta$ peptide aggregation. <i>Journal of Inorganic Biochemistry</i> , <b>2016</b> , 158, 131-138	4.2	20
72	Electronic Structure Evaluation of an Oxidized Tris(methoxy)-Substituted Ni Salen Complex. <i>European Journal of Inorganic Chemistry</i> , <b>2016</b> , 2016, 49-55	2.3	12
71	Modulation of the A $\beta$ peptide aggregation pathway by KP1019 limits A $\beta$ -associated neurotoxicity. <i>Metallomics</i> , <b>2015</b> , 7, 129-35	4.5	24
70	Partial conversion of thioamide into nitrile in a copper(II) complex of 2,6-diacetylpyridine bis(thiosemicarbazone), a drug prototype for Alzheimer's disease. <i>Acta Crystallographica Section C, Structural Chemistry</i> , <b>2015</b> , 71, 430-4	0.8	3
69	Influence of Electron-Withdrawing Substituents on the Electronic Structure of Oxidized Ni and Cu Salen Complexes. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 5970-80	5.1	56
68	Pyridonate-Supported Titanium(III). Benzylamine as an Easy-To-Use Reductant. <i>Organometallics</i> , <b>2015</b> , 34, 4941-4945	3.8	8
67	Introduction to Ligand Design in Medicinal Inorganic Chemistry <b>2014</b> , 1-8		3
66	Coordination Chemistry and Ligand Design in the Development of Metal Based Radiopharmaceuticals <b>2014</b> , 47-79		4
65	Luminescent Lanthanoid Probes <b>2014</b> , 113-143		1
64	Design of Schiff Base-derived Ligands: Applications in Therapeutics and Medical Diagnosis <b>2014</b> , 175-204		
63	Therapeutic Gold Compounds <b>2014</b> , 227-256		7
62	Rational Design of Copper and Iron Chelators to Treat Wilson's Disease and Hemochromatosis <b>2014</b> , 287-319		5
61	Photoactivatable Metal Complexes and Their Use in Biology and Medicine <b>2014</b> , 355-374		2
60	Ruthenium Anticancer Compounds with Biologically-derived Ligands <b>2014</b> , 405-437		4
59	Platinum-Based Anticancer Agents <b>2014</b> , 9-45		6
58	Ligand Design in d-Block Optical Imaging Agents and Sensors <b>2014</b> , 81-111		1
57	Metal Complexes of Carbohydrate-targeted Ligands in Medicinal Inorganic Chemistry <b>2014</b> , 145-173		4
56	Metal-based Antimalarial Agents <b>2014</b> , 205-225		1

55	Ligand Design to Target and Modulate Metal-Protein Interactions in Neurodegenerative Diseases <b>2014</b> , 257-286		5
54	MRI Contrast Agents <b>2014</b> , 321-354		4
53	Metalloprotein Inhibitors <b>2014</b> , 375-403		5
52	A Copper Complex of a Noninnocent Iminophenol-Amidopyridine Hybrid Ligand: Synthesis, Characterization, and Aerobic Alcohol Oxidation. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 6066-6074	2.3	35
51	Tuning ligand electronics and peripheral substitution on cobalt salen complexes: structure and polymerisation activity. <i>Dalton Transactions</i> , <b>2014</b> , 43, 4295-304	4.3	52
50	Fe(III) bipyrrolidine phenoxide complexes and their oxidized analogues. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 5810-9	5.1	12
49	The chemistry and applications of multimetallic salen complexes. <i>Dalton Transactions</i> , <b>2014</b> , 43, 9380-914.3	4.3	110
48	Influence of ligand flexibility on the electronic structure of oxidized Ni(III)-phenoxide complexes. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 10195-202	5.1	29
47	8-Hydroxyquinoline Schiff-base compounds as antioxidants and modulators of copper-mediated A $\beta$ peptide aggregation. <i>Journal of Inorganic Biochemistry</i> , <b>2014</b> , 139, 106-16	4.2	68
46	Detailed Geometric and Electronic Structures of a One-Electron-Oxidized Ni Salophen Complex and Its Amido Derivatives. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 3479-3487	2.3	17
45	Synthesis, characterization, and biological studies of emissive rhenium-glutamine conjugates. <i>Journal of Biological Inorganic Chemistry</i> , <b>2013</b> , 18, 831-44	3.7	17
44	Double oxidation localizes spin in a Ni bis-phenoxyl radical complex. <i>Dalton Transactions</i> , <b>2013</b> , 42, 3950-6.3	4.3	27
43	Synthesis, characterization and catalytic activity of copper(II) complexes containing a redox-active benzoxazole iminosemiquinone ligand. <i>Dalton Transactions</i> , <b>2013</b> , 42, 6829-39	4.3	43
42	2-Fluoropyridine prosthetic compounds for the <sup>18</sup> F labeling of bombesin analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 3920-6	2.9	13
41	Class III delocalization and exciton coupling in a bimetallic bis-ligand radical complex. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9606-18	4.8	26
40	Synthesis of Rhenium(I) Tricarbonyl Complexes with Carbohydrate-Pendant Tridentate Ligands and Their Cellular Uptake. <i>European Journal of Inorganic Chemistry</i> , <b>2012</b> , 2012, 217-225	2.3	10
39	Dual-function triazole-pyridine derivatives as inhibitors of metal-induced amyloid- $\beta$ aggregation. <i>Metallomics</i> , <b>2012</b> , 4, 910-20	4.5	53
38	New insights into the electronic structure and reactivity of one-electron oxidized copper(II)-(disalicylidene)diamine complexes. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 12450-61	5.1	62

37	Ligand-centered redox activity in cobalt(II) and nickel(II) bis(phenolate)-dipyrin complexes. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14590-3	4.8	45
36	Radical localization in a series of symmetric Ni(II) complexes with oxidized salen ligands. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14117-27	4.8	67
35	Cyclopentadienyl chromium diimine and pyridine-imine complexes: ligand-based radicals and metal-based redox chemistry. <i>Dalton Transactions</i> , <b>2012</b> , 41, 7920-30	4.3	12
34	Non-innocent ligand behaviour of a bimetallic Cu complex employing a bridging catecholate. <i>Dalton Transactions</i> , <b>2012</b> , 41, 7905-14	4.3	12
33	Sulfonyl fluoride-based prosthetic compounds as potential 18F labelling agents. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 11079-87	4.8	55
32	Multifunctional ligands in medicinal inorganic chemistry--current trends and future directions. <i>Current Topics in Medicinal Chemistry</i> , <b>2012</b> , 12, 122-44	3	21
31	N-Aryl-substituted 3-(ED-glucopyranosyloxy)-2-methyl-4(1H)-pyridinones as agents for Alzheimer's therapy. <i>Chemical Science</i> , <b>2011</b> , 2, 642-648	9.4	64
30	Influence of the chelate effect on the electronic structure of one-electron oxidized group 10 metal(II)-(disalicylidene)diamine complexes. <i>Dalton Transactions</i> , <b>2011</b> , 40, 2469-79	4.3	84
29	Merging the chemistry of electron-rich olefins with imidazolium ionic liquids: radicals and hydrogen-atom adducts. <i>Chemical Science</i> , <b>2011</b> , 2, 2173	9.4	14
28	Controlled Radical Polymerization of Vinyl Acetate Mediated by a Bis(imino)pyridine Vanadium Complex. <i>Macromolecules</i> , <b>2011</b> , 44, 4072-4081	5.5	32
27	Non-innocent ligand behavior of a bimetallic Ni Schiff-base complex containing a bridging catecholate. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 6746-55	5.1	41
26	Sulfanyl stabilization of copper-bonded phenoxyls in model complexes and galactose oxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 18600-5	11.5	60
25	In vitro studies of 3-hydroxy-4-pyridinones and their glycosylated derivatives as potential agents for Alzheimer's disease. <i>Dalton Transactions</i> , <b>2010</b> , 39, 1604-15	4.3	45
24	Phthalocyanine as a chemically inert, redox-active ligand: structural and electronic properties of a Nb(IV)-oxo complex incorporating a highly reduced phthalocyanine(4-) anion. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 3343-50	5.1	58
23	Ligand radical localization in a nonsymmetric one-electron oxidized Ni(II) bis-phenoxide complex. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 8980-3	4.8	61
22	Cationic technetium and rhenium complexes with pendant carbohydrates. <i>Applied Radiation and Isotopes</i> , <b>2010</b> , 68, 1087-93	1.7	18
21	Detailed evaluation of the geometric and electronic structures of one-electron oxidized group 10 (Ni, Pd, and Pt) metal(II)-(disalicylidene)diamine complexes. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 8383-92	5.1	108
20	Labeling of an antisense oligonucleotide with [(18)F]FPy5yne. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , <b>2009</b> , 28, 1131-43	1.4	27

19	Glycosylated tetrahydrosalens as multifunctional molecules for Alzheimer's therapy. <i>Dalton Transactions</i> , <b>2009</b> , 3034-43	4.3	38
18	Defining the electronic and geometric structure of one-electron oxidized copper-bis-phenoxide complexes. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 15448-59	16.4	145
17	Synthesis, Characterization and Copper Chemistry of a Non-symmetric Ligand: 2-Methyl-9-(3,5-dimethyl-N-pyrazolylmethyl)-1,10-phenanthroline. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 1142-1148	2.7	3
16	Synthesis of neutral spin-delocalized electron acceptors for multifunctional materials. <i>Organic Letters</i> , <b>2007</b> , 9, 4781-3	6.2	18
15	Combating Alzheimer's disease with multifunctional molecules designed for metal passivation. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 1716-8	16.4	102
14	The geometric and electronic structure of a one-electron-oxidized nickel(II) bis(salicylidene)diamine complex. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 5198-201	16.4	145
13	Combating Alzheimer's Disease With Multifunctional Molecules Designed for Metal Passivation. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 1746-1748	3.6	15
12	The Geometric and Electronic Structure of a One-Electron-Oxidized Nickel(II) Bis(salicylidene)diamine Complex. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 5290-5293	3.6	31
11	Synthesis, characterization, and metal coordinating ability of multifunctional carbohydrate-containing compounds for Alzheimer's therapy. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 7453-63	16.4	122
10	Design of targeting ligands in medicinal inorganic chemistry. <i>Chemical Society Reviews</i> , <b>2006</b> , 35, 534-44	58.5	255
9	Carbohydrate-appended 3-hydroxy-4-pyridinone complexes of the [M(CO) <sub>3</sub> ] <sup>+</sup> core (M = Re, <sup>99m</sup> Tc, <sup>186</sup> Re). <i>Bioconjugate Chemistry</i> , <b>2006</b> , 17, 1321-9	6.3	51
8	A glucosamine-dipicolylamine conjugate of <sup>99m</sup> Tc(I) and <sup>186</sup> Re(I) for use in imaging and therapy. <i>Dalton Transactions</i> , <b>2005</b> , 654-5	4.3	61
7	Carbohydrate-appended 2,2'-dipicolylamine metal complexes as potential imaging agents. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 2698-705	5.1	69
6	Synthesis and characterization of dual function vanadyl, gallium and indium curcumin complexes for medicinal applications. <i>Journal of Inorganic Biochemistry</i> , <b>2005</b> , 99, 2217-25	4.2	115
5	Ru(II) Complexes of Edta and Dtpa Polyaminocarboxylate Analogues and Their Use as Nitric Oxide Scavengers. <i>European Journal of Inorganic Chemistry</i> , <b>2005</b> , 2005, 2685-2697	2.3	22
4	Carbohydrate conjugates for molecular imaging and radiotherapy: <sup>99m</sup> Tc(I) and <sup>186</sup> Re(I) tricarbonyl complexes of N-(2'-Hydroxybenzyl)-2-amino-2-deoxy-D-glucose. <i>Bioconjugate Chemistry</i> , <b>2004</b> , 15, 923-6	6.3	76
3	Novel carbohydrate-appended metal complexes for potential use in molecular imaging. <i>Chemistry - A European Journal</i> , <b>2004</b> , 11, 195-203	4.8	58
2	Vanadyl-thiazolidinedione combination agents for diabetes therapy. <i>Bioconjugate Chemistry</i> , <b>2003</b> , 14, 212-21	6.3	37

- 1 Synthesis and solution studies of the complexes of trivalent lanthanides with the tetraazamacrocycle TETA-(PO)(2). *Inorganic Chemistry*, **2002**, 41, 685-92

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