

Tim Storr

List of Publications by Year in descending order

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91
papers

4,215
citations

87723

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61
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116
all docs

116
docs citations

116
times ranked

4420
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of targeting ligands in medicinal inorganic chemistry. <i>Chemical Society Reviews</i> , 2006, 35, 534.	18.7	288
2	The Geometric and Electronic Structure of a One-Electron-Oxidized Nickel(II) Bis(salicylidene)diamine Complex. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5198-5201.	7.2	166
3	Defining the Electronic and Geometric Structure of One-Electron Oxidized Copper ^{II} -Bis-phenoxide Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 15448-15459.	6.6	162
4	Synthesis, Characterization, and Metal Coordinating Ability of Multifunctional Carbohydrate-Containing Compounds for Alzheimer's Therapy. <i>Journal of the American Chemical Society</i> , 2007, 129, 7453-7463.	6.6	141
5	Synthesis and characterization of dual function vanadyl, gallium and indium curcumin complexes for medicinal applications. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 2217-2225.	1.5	140
6	The chemistry and applications of multimetallic salen complexes. <i>Dalton Transactions</i> , 2014, 43, 9380.	1.6	134
7	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> , 2009, 48, 8383-8392.	1.9	123
8	Combating Alzheimer's Disease With Multifunctional Molecules Designed for Metal Passivation. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1716-1718.	7.2	107
9	Influence of the chelate effect on the electronic structure of one-electron oxidized group 10 metal(ii)-(disalicylidene)diamine complexes. <i>Dalton Transactions</i> , 2011, 40, 2469.	1.6	95
10	Electronic structure elucidation in oxidized metal ^{II} -salen complexes. <i>Coordination Chemistry Reviews</i> , 2017, 352, 67-82.	9.5	83
11	Carbohydrate Conjugates for Molecular Imaging and Radiotherapy: ^{99m} Tc(I) and ¹⁸⁶ Re(I) Tricarbonyl Complexes of N-(2-hydroxybenzyl)-2-amino-2-deoxy-d-glucose. <i>Bioconjugate Chemistry</i> , 2004, 15, 923-926.	1.8	80
12	Multi-target-directed phenol ^{II} -triazole ligands as therapeutic agents for Alzheimer's disease. <i>Chemical Science</i> , 2017, 8, 5636-5643.	3.7	79
13	Radical Localization in a Series of Symmetric Ni ^{II} Complexes with Oxidized Salen Ligands. <i>Chemistry - A European Journal</i> , 2012, 18, 14117-14127.	1.7	76
14	8-Hydroxyquinoline Schiff-base compounds as antioxidants and modulators of copper-mediated A β peptide aggregation. <i>Journal of Inorganic Biochemistry</i> , 2014, 139, 106-116.	1.5	76
15	Carbohydrate-Appended 2,2'-Dipicolylamine Metal Complexes as Potential Imaging Agents. <i>Inorganic Chemistry</i> , 2005, 44, 2698-2705.	1.9	75
16	New Insights into the Electronic Structure and Reactivity of One-Electron Oxidized Copper(II)-(Disalicylidene)diamine Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 12450-12461.	1.9	71
17	Sulfonyl Fluoride-Based Prosthetic Compounds as Potential ¹⁸ F Labelling Agents. <i>Chemistry - A European Journal</i> , 2012, 18, 11079-11087.	1.7	71
18	Influence of Electron-Withdrawing Substituents on the Electronic Structure of Oxidized Ni and Cu Salen Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 5970-5980.	1.9	71

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19	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> , 2010, 49, 3343-3350.	1.9	67
20	A glucosamine ⁺ -dipicolylamine conjugate of ^{99m} Tc(i) and ¹⁸⁶ Re(i) for use in imaging and therapy. <i>Dalton Transactions</i> , 2005, , 654-655.	1.6	66
21	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> , 2011, 108, 18600-18605.	3.3	66
22	Tuning ligand electronics and peripheral substitution on cobalt salen complexes: structure and polymerisation activity. <i>Dalton Transactions</i> , 2014, 43, 4295-4304.	1.6	66
23	Ligand Radical Localization in a Nonsymmetric One ⁻ Electron Oxidized Ni ^{II} Bis ⁻ phenoxide Complex. <i>Chemistry - A European Journal</i> , 2010, 16, 8980-8983.	1.7	65
24	N-Aryl-substituted 3-(¹² -D-glucopyranosyloxy)-2-methyl-4(1H)-pyridinones as agents for Alzheimer's therapy. <i>Chemical Science</i> , 2011, 2, 642-648.	3.7	65
25	Novel Carbohydrate-Appended Metal Complexes for Potential Use in Molecular Imaging. <i>Chemistry - A European Journal</i> , 2005, 11, 195-203.	1.7	61
26	Dual-function triazole ⁻ pyridine derivatives as inhibitors of metal-induced amyloid- ¹² aggregation. <i>Metallomics</i> , 2012, 4, 910.	1.0	58
27	Tuning Electronic Structure To Control Manganese Nitride Activation. <i>Journal of the American Chemical Society</i> , 2016, 138, 15299-15302.	6.6	56
28	Metal complexes that bind to the amyloid- ¹² peptide of relevance to Alzheimer's TM s disease. <i>Coordination Chemistry Reviews</i> , 2020, 412, 213255.	9.5	54
29	Carbohydrate-Appended 3-Hydroxy-4-pyridinone Complexes of the [M(CO) ₃] ⁺ Core (M = Re, ^{99m} Tc,) Tj ETQq1 1 0,784314 rgBT /Ovelde	1.8	53
30	Synthesis, characterization and catalytic activity of copper(ii) complexes containing a redox-active benzoxazole iminosemiquinone ligand. <i>Dalton Transactions</i> , 2013, 42, 6829.	1.6	53
31	Ligand ⁻ Centered Redox Activity in Cobalt(II) and Nickel(II) Bis(phenolate) ⁻ Dipyrrin Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 14590-14593.	1.7	52
32	In vitro studies of 3-hydroxy-4-pyridinones and their glycosylated derivatives as potential agents for Alzheimer's disease. <i>Dalton Transactions</i> , 2010, 39, 1604-1615.	1.6	49
33	Preface for the Forum on Applications of Metal Complexes with Ligand-Centered Radicals. <i>Inorganic Chemistry</i> , 2018, 57, 9577-9579.	1.9	46
34	Vanadyl ⁺ Thiazolidinedione Combination Agents for Diabetes Therapy. <i>Bioconjugate Chemistry</i> , 2003, 14, 212-221.	1.8	45
35	Non-Innocent Ligand Behavior of a Bimetallic Ni Schiff-Base Complex Containing a Bridging Catecholate. <i>Inorganic Chemistry</i> , 2011, 50, 6746-6755.	1.9	44
36	A catalytic antioxidant for limiting amyloid-beta peptide aggregation and reactive oxygen species generation. <i>Chemical Science</i> , 2019, 10, 1634-1643.	3.7	44

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37	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> , 2020, 59, 5133-5148.	1.9	43
38	Glycosylated tetrahydrosalens as multifunctional molecules for Alzheimer's therapy. <i>Dalton Transactions</i> , 2009, , 3034.	1.6	41
39	Synthesis and evaluation of benzothiazole-triazole and benzothiadiazole-triazole scaffolds as potential molecular probes for amyloid- β^2 aggregation. <i>New Journal of Chemistry</i> , 2017, 41, 1566-1573.	1.4	39
40	A Copper Complex of a Noninnocent Iminophenol- π -Amidopyridine Hybrid Ligand: Synthesis, Characterization, and Aerobic Alcohol Oxidation. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 6066-6074.	1.0	38
41	A balancing act: using small molecules for therapeutic intervention of the p53 pathway in cancer. <i>Chemical Society Reviews</i> , 2020, 49, 6995-7014.	18.7	38
42	Modulation of the A β^2 peptide aggregation pathway by KP1019 limits A β^2 -associated neurotoxicity. <i>Metallomics</i> , 2015, 7, 129-135.	1.0	37
43	Controlled Radical Polymerization of Vinyl Acetate Mediated by a Bis(imino)pyridine Vanadium Complex. <i>Macromolecules</i> , 2011, 44, 4072-4081.	2.2	33
44	Influence of Ligand Flexibility on the Electronic Structure of Oxidized Ni ^{III} -Phenoxide Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 10195-10202.	1.9	33
45	Class-III Delocalization and Exciton Coupling in a Bimetallic Bis-ligand Radical Complex. <i>Chemistry - A European Journal</i> , 2013, 19, 9606-9618.	1.7	32
46	Electronic Structure and Reactivity of One-Electron-Oxidized Copper(II) Bis(phenolate)-Dipyrrin Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 9708-9719.	1.9	32
47	Double oxidation localizes spin in a Ni bis-phenoxyl radical complex. <i>Dalton Transactions</i> , 2013, 42, 3950.	1.6	31
48	Synthesis and electronic structure determination of uranium(ν) ligand radical complexes. <i>Dalton Transactions</i> , 2016, 45, 12576-12586.	1.6	30
49	Electronic Structure Description of a Doubly Oxidized Bimetallic Cobalt Complex with Proradical Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 762-774.	1.9	30
50	Bifunctional ligand design for modulating mutant p53 aggregation in cancer. <i>Chemical Science</i> , 2019, 10, 10802-10814.	3.7	30
51	Labeling of an Antisense Oligonucleotide with [¹⁸ F]FPy5yne. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2009, 28, 1131-1143.	0.4	29
52	Mn(ν) and Mn(ν)-radical species supported by the redox non-innocent bis(2-amino-3,5-di-tert-butylphenyl)amine pincer ligand. <i>Chemical Communications</i> , 2017, 53, 2764-2767.	2.2	29
53	Multifunctional quinoline-triazole derivatives as potential modulators of amyloid- β^2 peptide aggregation. <i>Journal of Inorganic Biochemistry</i> , 2016, 158, 131-138.	1.5	25
54	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> , 2016, 45, 16325-16334.	1.6	25

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55	Ru(III) Complexes of Edta and Dtpa Polyaminocarboxylate Analogues and Their Use as Nitric Oxide Scavengers. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 2685-2697.	1.0	24
56	Multifunctional Ligands in Medicinal Inorganic Chemistry- Current Trends and Future Directions. <i>Current Topics in Medicinal Chemistry</i> , 2012, 12, 122-144.	1.0	23
57	Synthesis of Neutral Spin-Delocalized Electron Acceptors for Multifunctional Materials. <i>Organic Letters</i> , 2007, 9, 4781-4783.	2.4	21
58	Evaluation of ^{99m} Tc-sulfonamide and sulfocoumarin derivatives for imaging carbonic anhydrase IX expression. <i>Journal of Inorganic Biochemistry</i> , 2018, 185, 63-70.	1.5	21
59	Multifunctional Compounds for Activation of the p53 ^{Δ220C} Mutant in Cancer. <i>Chemistry - A European Journal</i> , 2018, 24, 17734-17742.	1.7	21
60	Cobalt(III) complexes with 2-acetylpyridine-derived Schiff bases: Studies investigating ligand release upon reduction. <i>Polyhedron</i> , 2017, 124, 86-95.	1.0	20
61	Cationic technetium and rhenium complexes with pendant carbohydrates. <i>Applied Radiation and Isotopes</i> , 2010, 68, 1087-1093.	0.7	19
62	Detailed Geometric and Electronic Structures of a One-Electron-Oxidized Ni Salophen Complex and Its Amido Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 3479-3487.	1.0	19
63	Synthesis and Solution Studies of the Complexes of Trivalent Lanthanides with the Tetraazamacrocycle TETA-(PO) ₂ . <i>Inorganic Chemistry</i> , 2002, 41, 685-692.	1.9	18
64	Synthesis, characterization, and biological studies of emissive rhenium ^{III} glutamine conjugates. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 831-844.	1.1	18
65	Merging the chemistry of electron-rich olefins with imidazolium ionic liquids: radicals and hydrogen-atom adducts. <i>Chemical Science</i> , 2011, 2, 2173.	3.7	17
66	Modification of A β Peptide Aggregation via Covalent Binding of a Series of Ru(III) Complexes. <i>Frontiers in Chemistry</i> , 2019, 7, 838.	1.8	16
67	Modification of amyloid-beta peptide aggregation <i>via</i> photoactivation of strained Ru(II) polypyridyl complexes. <i>Chemical Science</i> , 2021, 12, 7510-7520.	3.7	15
68	2-Fluoropyridine prosthetic compounds for the ¹⁸ F labeling of bombesin analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3920-3926.	1.0	14
69	Fe ^{III} Bipyrrolidine Phenoxide Complexes and Their Oxidized Analogues. <i>Inorganic Chemistry</i> , 2014, 53, 5810-5819.	1.9	14
70	Cyclopentadienyl chromium diimine and pyridine-imine complexes: ligand-based radicals and metal-based redox chemistry. <i>Dalton Transactions</i> , 2012, 41, 7920.	1.6	13
71	Non-innocent ligand behaviour of a bimetallic Cu complex employing a bridging catecholate. <i>Dalton Transactions</i> , 2012, 41, 7905.	1.6	13
72	Electronic Structure Evaluation of an Oxidized Tris(methoxy)-Substituted Ni Salen Complex. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 49-55.	1.0	13

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73	Distorted copper(Cu^{II}) radicals with sterically hindered salens: electronic structure and aerobic oxidation of alcohols. Dalton Transactions, 2020, 49, 12990-13002.	1.6	12
74	Multifunctional compounds for the treatment of Alzheimer's disease. Canadian Journal of Chemistry, 2021, 99, 1-9.	0.6	12
75	Exploiting exciton coupling of ligand radical intervalence charge transfer transitions to tune NIR absorption. Chemical Science, 2018, 9, 1610-1620.	3.7	11
76	Synthesis of Rhenium(I) Tricarbonyl Complexes with Carbohydrate-Pendant Tridentate Ligands and Their Cellular Uptake. European Journal of Inorganic Chemistry, 2012, 2012, 217-225.	1.0	10
77	Pyridonate-Supported Titanium(III). Benzylamine as an Easy-To-Use Reductant. Organometallics, 2015, 34, 4941-4945.	1.1	10
78	Electronic structure and reactivity studies of a nonsymmetric one-electron oxidized Cu(I) bis-phenoxide complex. Inorganica Chimica Acta, 2018, 481, 151-158.	1.2	8
79	A small bifunctional chelator that modulates Al^{3+} aggregation. Canadian Journal of Chemistry, 2018, 96, 78-82.	0.6	7
80	Stabilization of different redox levels of a tridentate benzoxazole amidophenoxide ligand when bound to Co(III) or V(V). Dalton Transactions, 2019, 48, 13326-13336.	1.6	7
81	Coordination-driven assembly of a supramolecular square and oxidation to a tetra-ligand radical species. Chemical Communications, 2019, 55, 6082-6085.	2.2	7
82	Elaboration on the Electronics of Salen Manganese Nitrides: Investigations into Alkoxy-Substituted Ligand Scaffolds. Inorganic Chemistry, 2021, 60, 16895-16905.	1.9	7
83	A role for bioinorganic chemistry in the reactivation of mutant p53 in cancer. Journal of Biological Inorganic Chemistry, 2022, 27, 393-403.	1.1	7
84	Disentangling the 1MLCT transition of $[\text{Ru}(\text{bpy})_3]^{2+}$ by Stark absorption spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 353, 618-624.	2.0	6
85	Chromium Nitride Umpolung Tuned by the Locus of Oxidation. Journal of the American Chemical Society, 2022, 144, 11594-11607.	6.6	6
86	Partial conversion of thioamide into nitrile in a copper(II) complex of 2,6-diacetylpyridine bis(thiosemicarbazone), a drug prototype for Alzheimer's disease. Acta Crystallographica Section C, Structural Chemistry, 2015, 71, 430-434.	0.2	4
87	Octahedral Co(III) salen complexes: the role of peripheral ligand electronics on axial ligand release upon reduction. Canadian Journal of Chemistry, 2018, 96, 110-118.	0.6	4
88	Synthesis, characterization and copper chemistry of a non-symmetric phenanthroline ligand: 2-Methyl-9-(3,5-dimethyl-N-pyrazolylmethyl)-1,10-phenanthroline. Inorganica Chimica Acta, 2008, 361, 1142-1148.	1.2	3
89	Low energy cyclotron production and cyclometalation chemistry of iridium-192. Applied Radiation and Isotopes, 2016, 115, 81-86.	0.7	1
90	A sheet structured MOF magnet: Poly[(1,10-phenanthroline)tetrakis(imidazolato)diiron(II)]. Polyhedron, 2016, 108, 80-86.	1.0	0

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91	Exciton Coupling in Redox-Active Salen based Self-Assembled Metallacycles. Chemistry - A European Journal, 2021, 27, 16161-16172.	1.7	0