D Scott Bohle

List of Publications by Year in descending order

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		201674	1	61849
112	3,218	27		54
papers	citations	h-index		g-index
118	118	118		3588
all docs	docs citations	times ranked		citing authors

#	Article	IF	CITATIONS
1	Coordination Chemistry of the Parent Dithiocarbamate H ₂ NCS ₂ [–] : Organometallic Chemistry and Tris-Chelates of Group 9 Metals. Inorganic Chemistry, 2022, 61, 4660-4672.	4.0	5
2	Structural chemistry at McGill. Canadian Journal of Chemistry, 2022, 100, 234-238.	1.1	0
3	Arsenic 3 methyltransferase (AS3MT) automethylates on cysteine residues in vitro. Archives of Toxicology, 2022, 96, 1371-1386.	4.2	2
4	Quantification of local zinc and tungsten deposits in bone with LA-ICP-MS using novel hydroxyapatite–collagen calibration standards. Journal of Analytical Atomic Spectrometry, 2021, 36, 2431-2438.	3.0	3
5	Fluxionality in the Tropolone Hinokitiol Chelate. Inorganic Chemistry, 2021, 60, 3305-3313.	4.0	3
6	Sex-Specific Effects of Prenatal and Early Life Inorganic and Methylated Arsenic Exposure on Atherosclerotic Plaque Development and Composition in Adult ApoEâ^'/â^' Mice. Environmental Health Perspectives, 2021, 129, 57008.	6.0	9
7	2,3,5-Metallotriazoles: Amphoteric Mesoionic Chelates from Nitrosoguanidines. Inorganic Chemistry, 2021, 60, 9621-9630.	4.0	4
8	Separation of Isomers and Mechanisms of Inversion of Stereochemistry of Group 9 d ⁶ Tris-Chelate Complexes of Hinokitiol. Inorganic Chemistry, 2021, 60, 13567-13577.	4.0	4
9	Topical combination of meldonium and Nâ€acetyl cysteine relieves allodynia in rat models of CRPSâ€1 and peripheral neuropathic pain by enhancing NOâ€mediated tissue oxygenation. Journal of Neurochemistry, 2020, 152, 570-584.	3.9	6
10	Addressing K/L-edge overlap in elemental analysis from micro-X-ray fluorescence: bioimaging of tungsten and zinc in bone tissue using synchrotron radiation and laser ablation inductively coupled plasma mass spectrometry. Analytical and Bioanalytical Chemistry, 2020, 412, 259-265.	3.7	11
11	Inorganic ions on hemozoin surface provide a glimpse into Plasmodium biology. Journal of Inorganic Biochemistry, 2019, 200, 110808.	3.5	2
12	Structural and spectroscopic trends in the phosphine Os(II) complexes OsHCl(CO)(L)(PPh3)2. Journal of Molecular Structure, 2019, 1192, 252-257.	3.6	4
13	What is pure hemozoin? A close look at the surface of the malaria pigment. Journal of Inorganic Biochemistry, 2019, 194, 214-222.	3.5	8
14	Hydrating the Bispropionate Notch in Malaria Pigment: A New Structural Motif in the Iron(III)(deuteroporphyrin) Dimer. Chemistry - A European Journal, 2019, 25, 4373-4378.	3.3	2
15	Linkage Scrambling in Branched Chain Polymercury Compounds: Nitrides from the Mercuryâ€Mediated Disproportionation of N ₂ O ₃ . European Journal of Inorganic Chemistry, 2018, 2018, 659-665.	2.0	1
16	Accumulation of persistent tungsten in bone as in situ generated polytungstate. Communications Chemistry, 2018, $1, .$	4.5	15
17	The Lightâ€Driven Isomerization of Aqueous Nitrate: A Theoretical Perspective. ChemPhotoChem, 2018, 2, 725-733.	3.0	O
18	Micro-Raman high-pressure investigation on the malaria pigment hematin anhydride (î²-hematin). Journal of Inorganic Biochemistry, 2018, 189, 180-184.	3.5	1

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19	Isolable Adducts of Tertiary Amines and Dinitrogen Trioxide. European Journal of Inorganic Chemistry, 2018, 2018, 4543-4549.	2.0	1
20	The Light-Driven Isomerization of Aqueous Nitrate: A Theoretical Perspective. ChemPhotoChem, 2018, 2, 702-702.	3.0	0
21	An Overview of the Potential Therapeutic Applications of CO-Releasing Molecules. Bioinorganic Chemistry and Applications, 2018, 2018, 1-23.	4.1	38
22	Lewis acid stabilization and activation of primary N-nitrosamides. RSC Advances, 2017, 7, 8205-8219.	3.6	3
23	Do Mammalian Cells Really Need to Export and Import Heme?. Trends in Biochemical Sciences, 2017, 42, 395-406.	7.5	57
24	Generation of a Mn(IV)–Peroxo or Mn(III)–Oxo–Mn(III) Species upon Oxygenation of Mono- and Binuclear Thiolate-Ligated Mn(II) Complexes. Inorganic Chemistry, 2017, 56, 10559-10569.	4.0	14
25	Anhydrous Dinitrogen Trioxide Solutions for Brønsted Acid Free Nitrous Acid Chemistry. European Journal of Inorganic Chemistry, 2017, 2017, 5461-5465.	2.0	9
26	Solution and Solid State Correlations of Antimalarial Drug Actions: NMR and Crystallographic Studies of Drug Interactions with a Heme Model. Inorganic Chemistry, 2017, 56, 7803-7810.	4.0	5
27	Effects of Inorganic Arsenic, Methylated Arsenicals, and Arsenobetaine on Atherosclerosis in the apoEâ^'/â^' Mouse Model and the Role of As3mt-Mediated Methylation. Environmental Health Perspectives, 2017, 125, 077001.	6.0	33
28	Crystal Structure Analysis of the Repair of Iron Centers Protein YtfE and Its Interaction with NO. Chemistry - A European Journal, 2016, 22, 9768-9776.	3.3	28
29	3-lodo-4-aminoquinoline derivative sensitises resistant strains of Plasmodium falciparum to chloroquine. International Journal of Antimicrobial Agents, 2016, 47, 482-485.	2.5	4
30	Surface Characterization of Hematin Anhydride: A Comparison between Two Different Synthesis Methods. Langmuir, 2016, 32, 4479-4484.	3.5	6
31	Anions of π-Acidic N-nitrosulfonyl/carboxy Amides and Their Re Complexes. ChemistrySelect, 2016, 1, 2096-2101.	1.5	1
32	Extended structure of indium(III) protoporphyrin IX acetate mimics dimer structure of hematin anhydride. Polyhedron, 2016, 108, 36-42.	2.2	2
33	Ï€-Delocalization in the vicinal lone pairs of hydrazines: Electronic effects in derivatives of 1-(2-nitrophenyl)-1-phenylhydrazine. Journal of Molecular Structure, 2016, 1116, 30-36.	3.6	1
34	Homochiral crystal generation via sequential dehydration and Viedma ripening. CrystEngComm, 2016, 18, 4277-4280.	2.6	5
35	Stabilizing and Activating Nitrogen Catenates. Chemistry - A European Journal, 2015, 21, 13739-13747.	3.3	1
36	Synthesis, Structure, and Conformational Analysis of Nucleoside Analogues Comprising Sixâ€Membered 1,3â€Oxathiane Sugar Rings. European Journal of Organic Chemistry, 2015, 2015, 1945-1953.	2.4	2

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37	Nitric Oxide Catalysis of Diazene E/Z Isomerization. Inorganic Chemistry, 2015, 54, 7145-7151.	4.0	6
38	Iridium(I) Complexes of π-Acidic Carboxamides. Organometallics, 2015, 34, 1074-1084.	2.3	8
39	When Push Comes to Shove: Unravelling the Mechanism and Scope of Nonemissive <i>meso</i> -Unsaturated BODIPY Dyes. Journal of Physical Chemistry B, 2015, 119, 4758-4765.	2.6	40
40	Seven-Membered Ring Nucleoside Analogues: Stereoselective Synthesis and Studies on Their Conformational Properties. Organic Letters, 2015, 17, 5416-5419.	4.6	12
41	3-Halo Chloroquine Derivatives Overcome Plasmodium falciparum Chloroquine Resistance Transporter-Mediated Drug Resistance in P. falciparum. Antimicrobial Agents and Chemotherapy, 2015, 59, 7891-7893.	3.2	5
42	Synthesis of reduction-sensitive 1,1-diarylhydrazines from 1,1-diarylamines. Canadian Journal of Chemistry, 2014, 92, 904-912.	1.1	2
43	Activation of Nitrogen Brønsted Acids: Synthesis and Reactivity of a New Class of Nitrogen Acid Complexes. Inorganic Chemistry, 2014, 53, 11160-11172.	4.0	6
44	The Novel Arsenical Darinaparsin Is Transported by Cystine Importing Systems. Molecular Pharmacology, 2014, 85, 576-585.	2.3	26
45	Orienting the heterocyclic periphery: a structural model for chloroquine's antimalarial activity. Chemical Communications, 2014, 50, 13765-13768.	4.1	28
46	<i>E</i> / <i>Z</i> Oxime Isomerism in PhC(NOH)CN. Chemistry - A European Journal, 2013, 19, 4223-4229.	3.3	25
47	Facile dimethylarsenic exchange and pyramidal inversion in its cysteine and glutathione adducts. Organic and Biomolecular Chemistry, 2013, 11, 2578.	2.8	1
48	Facile NN Activation in Benzotriazole: Capturing the Dimroth Azo/Triazole Intermediate by Complexation to Iridium. ChemPlusChem, 2013, 78, 1304-1310.	2.8	7
49	E versus Z Diazeniumdiolation of Acetoacetate-Derived Carbanions. Journal of Organic Chemistry, 2012, 77, 7313-7318.	3.2	2
50	Soluble Diamagnetic Model for Malaria Pigment: Coordination Chemistry of Gallium(III)protoporphyrin-IX. Inorganic Chemistry, 2012, 51, 10747-10761.	4.0	17
51	Spectroscopic and Theoretical Studies of Ga(III)protoporphyrin-IX and Its Reactions with Myoglobin. Inorganic Chemistry, 2012, 51, 3743-3753.	4.0	19
52	Structure of Malaria Pigment and Related Propanoateâ€Linked Metalloporphyrin Dimers. Chemistry and Biodiversity, 2012, 9, 1891-1902.	2.1	28
53	General Twoâ€Step Preparation of Chalcones Containing Thiazole. Journal of Heterocyclic Chemistry, 2012, 49, 768-773.	2.6	7
54	[Gallium(III) protoporphyrin IX] ₂ : A Soluble Diamagnetic Model for Malaria Pigment. Inorganic Chemistry, 2012, 51, 4411-4413.	4.0	19

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55	Permethylated Salts and Radicals Derived from Azoâ€ <i>periâ€</i> Naphthalenes. ChemPlusChem, 2012, 77, 387-395.	2.8	8
56	Electronic structure of S-nitrosothiols from sulfur K-edge X-ray absorption spectroscopy. Canadian Journal of Chemistry, 2011, 89, 93-97.	1.1	5
57	Nâ^'H Activation in N-Nitropropionamide: Coordination Chemistry of a Primary Nitroamide. Inorganic Chemistry, 2011, 50, 3135-3140.	4.0	7
58	Understanding Chloroquine Action at the Molecular Level in Antimalarial Therapy: X-ray Absorption Studies in Dimethyl Sulfoxide Solution. Journal of Physical Chemistry B, 2011, 115, 1145-1150.	2.6	19
59	Soluble Synthetic Analogues of Malaria Pigment: Structure of Mesohematin Anhydride and its Interaction with Chloroquine in Solution. Angewandte Chemie - International Edition, 2011, 50, 6151-6154.	13.8	20
60	Cover Picture: Soluble Synthetic Analogues of Malaria Pigment: Structure of Mesohematin Anhydride and its Interaction with Chloroquine in Solution (Angew. Chem. Int. Ed. 27/2011). Angewandte Chemie - International Edition, 2011, 50, 5973-5973.	13.8	0
61	Copperâ€Catalyzed Highly Regioselective Oxidative CH Bond Amidation of 2â€Arylpyridine Derivatives and 1â€Methylindoles. Advanced Synthesis and Catalysis, 2010, 352, 632-636.	4.3	177
62	Vibrational Spectroscopy Study of the Interaction of Quinoline Antimalarials with Ferriprotoporphyrin IX. , 2010, , .		1
63	Controlled Co(II) Doping of Zinc Oxide Nanocrystals. Journal of Physical Chemistry C, 2010, 114, 18139-18145.	3.1	28
64	Novel \hat{l}^2 -galactosidase-specific O2-glycosylated diazenium diolate probes. Canadian Journal of Chemistry, 2010, 88, 969-980.	1.1	2
65	Chelating the Surface of Zinc in Zinc Oxide Nanocrystals: Spectroscopic Characterization of ZnO Surface-Bound Eriochrome Black T and 8-Hydroxyquinoline. Journal of Physical Chemistry C, 2009, 113, 14435-14439.	3.1	12
66	Autofluorescence of Condensed Heme Aggregates in Malaria Pigment and Its Synthetic Equivalent Hematin Anhydride (Î ² -Hematin). Journal of Physical Chemistry B, 2009, 113, 8391-8401.	2.6	23
67	A New Synthetic Route to 3-Oxo-4-amino-1,2,3-oxadiazole from the Diazeniumdiolation of Benzyl Cyanide: Stable Sydnone Iminium N-Oxides. Journal of Organic Chemistry, 2009, 74, 1621-1626.	3.2	15
68	Cationic and Anionic Surface Binding Sites on Nanocrystalline Zinc Oxide: Surface Influence on Photoluminescence and Photocatalysis. Journal of the American Chemical Society, 2009, 131, 4397-4404.	13.7	123
69	Decarboxylation and ring fragmentation reactions of sydnone N-oxides. Tetrahedron Letters, 2008, 49, 4550-4552.	1.4	4
70	Kinetics and Mechanism of Nucleophilic Addition to Nitric Oxide: Secondary Amine Diazeniumdiolation. Inorganic Chemistry, 2008, 47, 3925-3927.	4.0	16
71	The Relationship of Oxygen Binding and Peroxide Sites and the Fluorescent Properties of Zinc Oxide Semiconductor Nanocrystals. Journal of the American Chemical Society, 2007, 129, 12380-12381.	13.7	71
72	Methylation of SydnoneN-Oxides:Â Kinetic and Thermodynamic Control in the Alkylation Site of an Electron-Rich Heterocycle. Journal of Organic Chemistry, 2007, 72, 3625-3631.	3.2	11

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73	Chemistry of the potassium, silver, and tetra(n-butyl)ammonium salts of sydnone N-oxide (Traube's) Tj ETQq1 1 C).784314 r _{ 1.1	gBT /Overlo
74	Group 8 and 10 hyponitrite and dinitrosyl complexes. Polyhedron, 2007, 26, 4737-4745.	2.2	27
75	The Evolution and Refinement of a Chemical Biology Training Program: A Canadian Perspective. ACS Chemical Biology, 2006, 1, 485-486.	3.4	1
76	Synthesis of Diazeniumdiolates from the Reactions of Nitric Oxide with Enolates. Journal of Organic Chemistry, 2006, 71, 572-581.	3.2	10
77	Multi-Frequency High-Field EPR Study of Iron Centers in Malarial Pigments. Journal of the American Chemical Society, 2006, 128, 4534-4535.	13.7	37
78	E/Z Conformation and the Vibrational Spectroscopy of Me2NN(O)NOMe. Journal of Physical Chemistry A, 2005, 109, 11317-11321.	2.5	1
79	Chemistry of the Diazeniumdiolates:ÂZ⇌Elsomerism. Journal of the American Chemical Society, 2005, 127, 5388-5395.	13.7	16
80	Main Group Compounds. Inorganic Syntheses, 2004, , 1-48.	0.3	15
81	Chemistry of the Diazeniumdiolates. O- versus N-Alkylation of the RNH[N(O)NO]-lon. Journal of the American Chemical Society, 2004, 126, 12880-12887.	13.7	33
82	A Surfactant Transition Metal Chelate. Langmuir, 2003, 19, 4859-4862.	3.5	24
83	The reversible hydration of the malaria pigment \hat{l}^2 -hematin. Canadian Journal of Chemistry, 2003, 81, 1285-1291.	1.1	13
84	Metal Oxidation Promoted Câ^'H Activation in Manganese Complexes of N-Confused Porphyrin. Inorganic Chemistry, 2002, 41, 3334-3336.	4.0	78
85	Propionic acid side chain hydrogen bonding in the malaria pigment \hat{l}^2 -hematin. Biochemical and Biophysical Research Communications, 2002, 294, 132-135.	2.1	19
86	Traube's "Oxazomalonic Acid―is a 3-Hydroxysydnone Carboxylate with an E-ONNO Geometry This research was supported by the Airforce Office of Scientific Research and the National Institutes of Health Angewandte Chemie - International Edition, 2002, 41, 2089.	13.8	16
87	An Umpolung Approach tocis-Hyponitrite Complexes. Angewandte Chemie - International Edition, 2002, 41, 2371-2373.	13.8	69
88	Phase homogeneity and crystal morphology of the malaria pigment \hat{l}^2 -hematin. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1752-1756.	2.5	44
89	Synthesis, Structure, and Stereochemistry of Double-Chain Surfactant Co(III) Complexes. Inorganic Chemistry, 2001, 40, 836-842.	4.0	29
90	Multiplicity Control in the Polygeminal Diazeniumdiolation of Active Hydrogen Bearing Carbons:Â Chemistry of a New Type of Trianionic Molecular Propeller. Journal of the American Chemical Society, 2001, 123, 10860-10869.	13.7	17

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91	The structure of malaria pigment β-haematin. Nature, 2000, 404, 307-310.	27.8	821
92	Nucleophilic Addition of Hydroxylamine, Methoxylamine, and Hydrazine to Malononitrileoxime. Journal of Organic Chemistry, 2000, 65, 1139-1143.	3.2	40
93	Synthesis and Characterization of Nickel(II) Bis(alkylthio)salen Complexes. Inorganic Chemistry, 2000, 39, 712-718.	4.0	24
94	Radical Dinitroalkane Dianions from the Nitration of Nitroalkanes by Peroxynitrite. Chemical Research in Toxicology, 2000, 13, 963-966.	3.3	6
95	Cyclohexadienone Diazeniumdiolates from Nitric Oxide Addition to Phenolates. Journal of Organic Chemistry, 2000, 65, 5685-5692.	3.2	21
96	Salicylaldiminato Derivatives of Cyclotriveratrylene:Â Flexible Strategy for New Rim-Metalated CTV Complexes. Inorganic Chemistry, 2000, 39, 5768-5770.	4.0	31
97	Correlation of the Product E/Z Framework Geometry and O/O vs O/N Regioselectivity in the Dialkylation of Hyponitrite. Journal of the American Chemical Society, 2000, 122, 5539-5549.	13.7	18
98	Synthesis and Thermal Decomposition Studies of New Nitroso- and Nitrodicyanomethanide Salts. Inorganic Chemistry, 1999, 38, 2709-2715.	4.0	32
99	Reversible and Irreversible Hemichrome Generation by the Oxygenation of Nitrosylmyoglobinâ€. Biochemistry, 1999, 38, 4750-4756.	2.5	22
100	Synthesis and Characterization of Alkylammonium Hyponitrites and Base-Stabilized Hyponitrous Acid Salts. Inorganic Chemistry, 1999, 38, 2716-2725.	4.0	39
101	Synthesis and Axial Ligand Substitution Chemistry of Ru(TTP)(NO)X. Structures of Ru(TTP)(NO)X (X =) Tj ETQq1 I	4.78431	4 ggBT /Over
102	Aggregated Heme Detoxification Byproducts in Malarial Trophozoites:  β-Hematin and Malaria Pigment Have a Single S = 5/2 Iron Environment in the Bulk Phase as Determined by EPR and Magnetic Mössbauer Spectroscopy. Journal of the American Chemical Society, 1998, 120, 8255-8256.	13.7	61
103	Characterization of the Products of the Heme Detoxification Pathway in Malarial Late Trophozoites by X-ray Diffraction. Journal of Biological Chemistry, 1997, 272, 713-716.	3.4	147
104	Synthesis and Characterization of Isostructural Metalloporphyrin Chalconitrosyl Complexes Ru(TTP)(NE)Cl (E = O, S) and a Remarkable Thionitrosyl/Nitrite → Nitrosyl/Thiazate Transformation. Inorganic Chemistry, 1997, 36, 1992-1993.	4.0	39
105	Biomimetic Synthesis of the Putative Cytotoxin Peroxynitrite, ONOO-, and Its Characterization as a Tetramethylammonium Salt. Journal of the American Chemical Society, 1994, 116, 7423-7424.	13.7	121
106	Structural and Spectroscopic Studies of β-Hematin (the Heme Coordination Polymer in Malaria) Tj ETQq0 0 0 rgB	T /Overloc	k 10 Tf 50 1
107	Synthesis and Characterization of Chiral Dithiophosphate Diesters Based on the Tartrate Backbone; NewC2Symmetric Chiral Auxiliaries. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 459-460.	1.6	О
108	Phosphine (PH3) complexes of ruthenium, osmium and iridium as precursors of terminal phosphido (PH2) complexes and the crystal structure of $[Os(142-PH2) Cl(CO) (PPh3)2]2 \text{ Å} (C2H2Cl4)4$. Journal of Organometallic Chemistry, 1988, 348, 385-409.	1.8	20

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109	Stable terminal methylene complexes of osmium(II) and ruthenium(II). The unexpected preferential migration of alf-aryl ligand to carbon monoxide rather than to methylene. Journal of Organometallic Chemistry, 1988, 358, 411-447.	1.8	41
110	Terminal methylene complexes of ruthenium(II) and osmium(II) and intramolecular methylene and acyl ligand combination to form metallaoxetenes: the crystal structures of [OsCl(ŀ2-C[O]-o-tolyl)(CH2)(PPh3)2] and [Ru(C[Ph]OCH2)(CN-p-tolyl)2(PPh3)2]ClO4. Journal of the Chemical Society Chemical Communications, 1987, , 563-565.	2.0	26
111	Terminal phosphido complexes of ruthenium(II) and osmium(II): synthesis, reactivity, and crystal structures of Os(PHPh)Cl(CO)2(PPh3)2 and Os{PH(OMe)Ph}(CO)2(PPh3)2. Organometallics, 1986, 5, 1612-1619.	2.3	41
112	Synthetic routes to terminal phosphido complexes of Group VIII (8) metals: neutral and cationic complexes of phenyl- and diphenylphosphine. Organometallics, 1986, 5, 1607-1611.	2.3	21