

Geoffrey Davies

List of Publications by Year in descending order

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82
papers

2,165
citations

218677

26
h-index

243625

44
g-index

82
all docs

82
docs citations

82
times ranked

1687
citing authors

#	ARTICLE	IF	CITATIONS
1	Some aspects of the chemistry of manganese(III) in aqueous solution. <i>Coordination Chemistry Reviews</i> , 1969, 4, 199-224.	18.8	211
2	Tight metal binding by humic acids and its role in biomineralization. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 4047-4060.	1.1	148
3	Electrodeposition of Metal Alloy and Mixed Oxide Films Using a Single Precursor Tetranuclear Copper-Nickel Complex. <i>Journal of the Electrochemical Society</i> , 1995, 142, 3357-3365.	2.9	127
4	Spectroscopic characterization of humic acid fractions isolated from soil using different extraction procedures. <i>Geoderma</i> , 2006, 133, 204-216.	5.1	86
5	Generation of Hydroxyl Radicals from Metal-Loaded Humic Acids. <i>Environmental Science & Technology</i> , 1999, 33, 1814-1818.	10.0	77
6	Kinetics and stoichiometry of the reaction between manganese(III) and hydrogen peroxide in acid perchlorate solution. <i>Inorganic Chemistry</i> , 1968, 7, 146-154.	4.0	68
7	Transmetalation reactions of tetranuclear copper(II) complexes. 2. Stoichiometry and products of reaction of [(DENC)CuCl]4O2, [(DENC)CuCl]4(CO3)2, [(DENC)CuCl]4Cl4, and (DENC)4Cu4Cl6O (DENC =) <i>Journal of the American Chemical Society</i> , 1984, 106, 4606-4605.	13.7	63
8	inhibition of copper-catalyzed phenolic oxidative coupling by dioxygen through transmetalation. <i>Journal of the American Chemical Society</i> , 1984, 106, 4606-4605.		
8	Stoichiometry and kinetics of the oxidation of halo(pyridine)copper(I) complexes by dioxygen in aprotic solvents. Effects of copper(I) reactant molecularity on the rate law and evidence for ligand-dependent product structures. <i>Inorganic Chemistry</i> , 1983, 22, 1257-1266.	4.0	59
9	Synthesis, molecular structures, properties and reactions of halo- and carbonyl(amine)copper(I) complexes. <i>Polyhedron</i> , 1990, 9, 2319-2351.	2.2	56
10	Synthesis, physical properties and structural characterization of .mu.-carbonato-dicopper(II) complexes. 2. Products of oxidation of Cu(I) by dioxygen in aprotic media containing carbon dioxide and alkylated diamine ligands and the crystal structure of paramagnetic (Et2NCH2CH2NEt2)2Cu2Cl2(asym.mu.-CO3). <i>Inorganic Chemistry</i> , 1980, 19, 201-208.	4.0	55
11	Structural modeling in humic acids. <i>Materials Science and Engineering C</i> , 1996, 4, 175-179.	7.3	53
12	Synthesis, structure and properties of the tetranuclear complexes [(DENC)CuX]4 (DENC =) <i>Journal of the American Chemical Society</i> , 1982, 104, 307-310.	4.0	49
12	dioxygen in aprotic solvents. <i>Inorganic Chemistry</i> , 1982, 21, 995-1001.		
13	Transmetalation of tetranuclear copper complexes with tin transmetalators. Molecular structure of cis-dichloro-bis(trans-S-methyl isopropylidenehydrazinecarbodithioato)tin(IV) and consideration of transmetalation mechanisms. <i>Inorganica Chimica Acta</i> , 1992, 193, 43-56.	2.4	43
14	Humic Acids: Marvelous Products of Soil Chemistry. <i>Journal of Chemical Education</i> , 2001, 78, 1609.	2.3	43
15	Metal binding by humic acids isolated from water hyacinth plants (<i>Eichhornia crassipes</i> [Mart.] <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 307 T</i>)	7.5	43
16	Aspects of the chemistry of cobalt(III) in aqueous perchlorate solution. <i>Coordination Chemistry Reviews</i> , 1970, 5, 349-378.	18.8	42
17	Suitability of Different 13C Solid-state NMR Techniques in the Characterization of Humic Acids. <i>International Journal of Environmental Analytical Chemistry</i> , 2002, 82, 183-196.	3.3	39
18	Isolation of humic acid from the brown alga <i>Pilayella littoralis</i> . <i>Journal of Applied Phycology</i> , 1994, 6, 459-468.	2.8	38

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19	Stoichiometry and kinetics of oxidation of dimeric bis(μ -halo)-bis-(diamine)copper(I) complexes $L_2Cu_2X_2$ by dioxygen in aprotic solvents. <i>Inorganic Chemistry</i> , 1985, 24, 3387-3390.	4.0	36
20	Stoichiometry and kinetics of low-temperature oxidation of di- μ -chlorobis(N,N,N',N'-tetraethylethylenediamine)dicopper by dioxygen in methylene chloride and properties of the peroxocopper products. <i>Inorganic Chemistry</i> , 1987, 26, 3266-3273.	4.0	36
21	Transmetallation reactions of tetranuclear copper(II) complexes. I. Crystal and molecular structures		

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37	Properties and reactions of tetranuclear copper(I) complexes [LCuX] ₄ (L=N,N-dimethylaminomethylferrocene; X=Cl and Br). Crystal and molecular structure of (1/4-O)L ₄ Cu ₄ Cl ₆ . <i>Inorganica Chimica Acta</i> , 1992, 194, 139-149.	2.4	19
38	Homogeneous Oxidative Coupling Catalysts. <i>Advances in Chemistry Series</i> , 1979, , 178-194.	0.6	18
39	A spectrophotometric study of the reactions of the phenolic oxidative 1 coupling initiator py ₄ Cu ₄ Cl ₄ O ₂ and of py ₄ Cu ₄ Cl ₆ O with pyridine. <i>Inorganica Chimica Acta</i> , 1983, 71, 95-99.	2.4	18
40	Optimized conditions for determination of total soil organic matter in diverse samples by mass loss on ignition. <i>Journal of Plant Nutrition and Soil Science</i> , 2014, 177, 914-919.	1.9	18
41	Transmetalation of tetranuclear copper complexes. 4. Structural implications of the kinetics of direct transmetalation of tetranuclear copper(II) complexes by Ni(NS) ₂ reagents. <i>Inorganic Chemistry</i> , 1986, 25, 1925-1928.	4.0	17
42	Transmetalation of tetranuclear copper complexes. 6. Transmetalation of copper dioxo L ₄ Cu ₄ O ₂ complexes (L = 6-methyl-2-hydroxypyridinate) by M(NS) ₂ reagents. <i>Inorganic Chemistry</i> , 1986, 25, 1935-1940.	4.0	16
43	Crystal and molecular structure of racemic fac-tris-(S-methylisopropylidene-hydrazinecarbodithioato)cobalt(III), Co(NS) ₃ , and the kinetics of its isomerization in aprotic solvents. <i>Inorganica Chimica Acta</i> , 1986, 119, 121-126.	2.4	16
44	The kinetics of primary events in the reactions of L ₂ Cu ₂ X ₂ complexes (L is an N,N,N',N'-tetraalkyldiamine;) Tj ETQq0 0 0 rgBT /Over	2.4	16
45	Unusually stable peroxocopper complexes. Stoichiometry, products and kinetics of oxidation of the dimeric copper(I) complex [LCuBr] ₂ (L=N,N,N',N'-diethylethylenediamine) by dioxygen in methylene chloride from 51 to 30 °C. <i>Inorganica Chimica Acta</i> , 1994, 217, 109-119.	2.4	16
46	Stoichiometry and products of transmetalation of dimeric copper(I) complexes L ₂ Cu ₂ X ₂ (L is an) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 <i>Chimica Acta</i> , 1988, 149, 21-30.	2.4	15
47	Transmetalation of tetranuclear copper complexes. 9. Stoichiometry and kinetics of transmetalation of (.mu.4-O)[NCu] ₄ X ₆ complexes by M(NS) ₂ reagents in aprotic solvents. <i>Inorganic Chemistry</i> , 1986, 25, 3899-3903.	4.0	14
48	Products and kinetics of the direct, specific transmetalation of (.mu.4-O) ₄ Cu(Ni(H ₂ O)) ₃ Cl ₆ (N =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 and product formation rates. <i>Inorganic Chemistry</i> , 1990, 29, 1198-1205.	4.0	14
49	A phenomenological model for redox reactions in solution application to aquocobalt(III) systems. <i>Coordination Chemistry Reviews</i> , 1974, 14, 269-285.	18.8	13
50	The mechanistic assignment of terms in empirical rate laws for complexation and redox reactions of metal ions in aqueous solution: acid dependences in perchlorate media. <i>Coordination Chemistry Reviews</i> , 1974, 14, 287-303.	18.8	12
51	Transmetalation of 1/4-carbonatodicopper(II) complexes with M(NS) ₂ reagents. <i>Inorganica Chimica Acta</i> , 1985, 104, 131-135.	2.4	12
52	Cu-Ni alloy formation by reduction in hydrogen of a polyheterometallic complex. <i>Journal of Materials Science Letters</i> , 1988, 7, 833-835.	0.5	12
53	Transmetalation of tetranuclear copper(I) complexes with an Fe(NS) ₃ reagent. <i>Inorganica Chimica Acta</i> , 1990, 168, 65-76.	2.4	12
54	Homogeneous oxidative coupling catalysts. Stoichiometry and kinetics of the reactions of two structurally distinct (.mu.-carbonato)-dicopper(II) oxidative coupling initiators with 2,4,6-trichlorophenol in methylene chloride. <i>Inorganic Chemistry</i> , 1981, 20, 3757-3763.	4.0	11

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55	Stoichiometry, products and kinetics of transmetalation of dimeric copper(II) complexes L ₂ Cu ₂ X ₂ Y (L) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,382 Td (3,4,5,6-tetra- Acta, 1988, 149, 45-56.	2.4	10
56	Rate law variations in the specific monotransmetalation of (μ ₄ -O)(N,py) ₄ Cu ₄ -xM _x X ₆ complexes with Zn(NS) ₂ in nitrobenzene. Inorganic Chemistry, 1990, 29, 1206-1210.	4.0	10
57	Single-phase Cu _{0.50} Ni _{0.50} alloy preparation by thermolysis of a simple heteropolymetallic precursor. Materials Letters, 1990, 9, 231-234.	2.6	10
58	Progressive transmetalation of tetranuclear dioxocopper(II) complexes with cobalt reagents. Inorganic Chemistry, 1988, 27, 1872-1879.	4.0	8
59	Supercritical fluid CO ₂ extraction accelerates isolation of humic acid from live <i>Pilayella littoralis</i> (Phaeophyta). Journal of Applied Phycology, 1996, 8, 545-551.	2.8	8
60	Environmental insights from Langmuir adsorption site capacities. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 381, 37-40.	4.7	8
61	Correlation of activation parameters and the case for substitution-controlled reduction of CoOHaq ²⁺ and Co(NH ₃) ₂ OHaq ²⁺ . Implications for electrocatalysis by aquocobalt(III) and other strongly oxidizing metal species. Inorganica Chimica Acta, 1989, 160, 83-86.	2.4	7
62	Stoichiometry, products and kinetics of monotransmetalation and complexation of dimeric complexes [N ₂ CuCl ₂] ₂ and [N ₂ NiCl ₂] ₂ (N is N,N-diethylnicotinamide) with M(NS) ₂ reagents in nitrobenzene. Inorganica Chimica Acta, 1990, 173, 163-173.	2.4	6
63	Products and kinetics of the reactions of bis-(acetylacetonato)copper(II) with Ni(NS) ₂ and Cu(NS) ₂ reagents in methylene chloride. Inorganica Chimica Acta, 1990, 177, 167-178.	2.4	6
64	Influence of catecholate bridges on the transmetalation of tetranuclear copper(II) complexes [NCuCl] ₄ Y ₂ and N ₄ Cu ₄ (OH) ₂ Cl ₄ Y ₂ ·3H ₂ O (N = N,N-diethylnicotinamide; Y =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,382 Td (3,4,5,6-tetra- methylene chloride. Inorganica Chimica Acta, 1991, 182, 213-220.	2.4	6
65	Cooperativity in metal exchange reactions of bis(acetylacetonato)copper(II) with Co(NS) ₂ and Zn(NS) ₂ reagents in methylene chloride. Inorganica Chimica Acta, 1991, 179, 245-254.	2.4	5
66	Effects of transmetalation on the mechanisms of copper-catalyzed phenolic oxidative coupling reactions. Inorganica Chimica Acta, 1992, 192, 31-42.	2.4	5
67	Title is missing!. Transition Metal Chemistry, 1998, 23, 795-800.	1.4	5
68	Mixed Metal Oxide Synthesis by Thermolyses of Simple Heteropolymetallic Precursors in Oxygen. Materials Research Society Symposia Proceedings, 1991, 249, 87.	0.1	4
69	Molecular catalyst design. Synthesis, characterization and properties of zeolite NaY catalysts made with a tetranuclear copper(II) complex. Catalysis Today, 1997, 33, 313-322.	4.4	4
70	Measuring the Total and Sequestered Organic Matter Contents of Grassland and Forest Soil Profiles in the National Ecological Observatory Network Initiative. Soil Horizons, 2015, 56, 1-11.	0.3	4
71	Protonation of tetranuclear oxo(chloro)pyridinecopper(II) complexes by HBF ₄ in nitrobenzene. Inorganica Chimica Acta, 1992, 195, 35-43.	2.4	3
72	Experiential, Cooperative, and Study Abroad Education. Journal of Chemical Education, 1996, 73, 438.	2.3	2

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73	Title is missing!. Journal of Applied Phycology, 1997, 9, 481-488.	2.8	2
74	Kinetics of Formation and Dissociation of Aquocobalt(III) Complexes with Some Carboxylic Acids in Acid Perchlorate Solution. Journal of Physical Chemistry B, 2007, 111, 6955-6961.	2.6	2
75	Soil Color and US Northeast Aquods. Soil Science Society of America Journal, 2016, 80, 965-972.	2.2	2
76	Treatment of Dehydrated Na-Y Zeolite with the Heteropolymetallic Products of Transmetalation Reactions. , 1993, , 121-126.		2
77	PREVENTION OF GUM FORMATION AND VISCOSITY INCREASES IN COAL-DERIVED DISTILLATE FUELS. Petroleum Science and Technology, 1986, 4, 327-343.	0.2	1
78	Transmetalation of targets $(\frac{1}{4}-Y)N_4Cu_2ICu_2IICl_4$ and $(\frac{1}{4}-Y, \frac{1}{4}-O)N_4Cu_4Cl_4$ (Y=3,4,5,6-tetrachlorocatecholate) with M(NS) ₂ reagents. Inorganica Chimica Acta, 1994, 217, 85-92.	2.4	1
79	CHARACTERISTICS OF SEQUENTIAL SOLVENT PRE-EXTRACTION IN THE ISOLATION OF HUMIC ACID FROM THE ALGA PILAYELLA LIT TOR A LIS. Chemical Engineering Communications, 1999, 172, 41-64.	2.6	1
80	MINIMIZATION OF THE RATE OF AMBIENT DIOXYGEN CONSUMPTION BY A COAL-DERIVED MIDDLE DISTILLATE. Petroleum Science and Technology, 1986, 4, 575-591.	0.2	0
81	Synthesis of S -methylisoproylidenehydrazinecarbodithioate complexes of aluminim. Heteroatom Chemistry, 1990, 1, 291-294.	0.7	0
82	National Soil Project Underway at Northeastern University " Assistance Requested. Soil Horizons, 2011, 52, 61.	0.3	0