

Geoffrey Davies

List of Publications by Year in descending order

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218381

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44
g-index

82
all docs

82
docs citations

82
times ranked

1687
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil Color and US Northeast Aquods. Soil Science Society of America Journal, 2016, 80, 965-972.	1.2	2
2	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
3	Optimized conditions for determination of total soil organic matter in diverse samples by mass loss on ignition. Journal of Plant Nutrition and Soil Science, 2014, 177, 914-919.	1.1	18
4	National Soil Project Underway at Northeastern University " Assistance Requested. Soil Horizons, 2011, 52, 61.	0.3	0
5	Environmental insights from Langmuir adsorption site capacities. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 381, 37-40.	2.3	8
6	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.	1.2	2
7	Spectroscopic characterization of humic acid fractions isolated from soil using different extraction procedures. Geoderma, 2006, 133, 204-216.	2.3	86
8	Metal binding by humic acids isolated from water hyacinth plants (Eichhornia crassipes [Mart.] Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	3.7	48
9	Suitability of Different ¹³ C Solid-state NMR Techniques in the Characterization of Humic Acids. International Journal of Environmental Analytical Chemistry, 2002, 82, 183-196.	1.8	39
10	Humic Acids: Marvelous Products of Soil Chemistry. Journal of Chemical Education, 2001, 78, 1609.	1.1	43
11	Generation of Hydroxyl Radicals from Metal-Loaded Humic Acids. Environmental Science & Technology, 1999, 33, 1814-1818.	4.6	77
12	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.	1.5	1
13	Title is missing!. Transition Metal Chemistry, 1998, 23, 795-800.	0.7	5
14	Tight metal binding by humic acids and its role in biomineralization. Journal of the Chemical Society Dalton Transactions, 1997, , 4047-4060.	1.1	148
15	Molecular catalyst design. Synthesis, characterization and properties of zeolite NaY catalysts made with a tetranuclear copper(II) complex. Catalysis Today, 1997, 33, 313-322.	2.2	4
16	Title is missing!. Journal of Applied Phycology, 1997, 9, 481-488.	1.5	2
17	Experiential, Cooperative, and Study Abroad Education. Journal of Chemical Education, 1996, 73, 438.	1.1	2
18	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.	1.5	8

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19	Isolation of humic acid from the brown algae <i>Ascophyllum nodosum</i> , <i>Fucus vesiculosus</i> , <i>Laminaria saccharina</i> and the marine angiosperm <i>Zostera marina</i> . <i>Journal of Applied Phycology</i> , 1996, 8, 553-562.	1.5	27
20	Structural modeling in humic acids. <i>Materials Science and Engineering C</i> , 1996, 4, 175-179.	3.8	53
21	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.	1.3	127
22	Isolation of humic acid from the brown alga <i>Pilayella littoralis</i> . <i>Journal of Applied Phycology</i> , 1994, 6, 459-468.	1.5	38
23	Unusually stable peroxocopper complexes. Stoichiometry, products and kinetics of oxidation of the dimeric copper(II) complex [LCuBr] ₂ (L=N,N'-diethylethylenediamine) by dioxygen in methylene chloride from 5 to 30 °C. <i>Inorganica Chimica Acta</i> , 1994, 217, 109-119.	1.2	16
24	Transmetalation of targets (1/4-Y)N ₄ Cu ₂ ICl ₄ and (1/4-Y,1/4-O)N ₄ Cu ₄ Cl ₄ (Y=3,4,5,6-tetrachlorocatecholate) with M(NS) ₂ reagents. <i>Inorganica Chimica Acta</i> , 1994, 217, 85-92.	1.2	1
25	Treatment of Dehydrated Na-Y Zeolite with the Heteropolymetallic Products of Transmetalation Reactions. , 1993, , 121-126.		2
26	Protonation of tetranuclear oxo(chloro)pyridinecopper(II) complexes by HBF ₄ in nitrobenzene. <i>Inorganica Chimica Acta</i> , 1992, 195, 35-43.	1.2	3
27	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.	1.2	19
28	Effects of transmetalation on the mechanisms of copper-catalyzed phenolic oxidative coupling reactions. <i>Inorganica Chimica Acta</i> , 1992, 192, 31-42.	1.2	5
29	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.	1.2	43
30	Mixed Metal Oxide Synthesis by Thermolyses of Simple Heteropolymetallic Precursors in Oxygen. <i>Materials Research Society Symposia Proceedings</i> , 1991, 249, 87.	0.1	4
31	Cooperativity in metal exchange reactions of bis(acetylacetonato)copper(II) with Co(NS) ₂ and Zn(NS) ₂ reagents in methylene chloride. <i>Inorganica Chimica Acta</i> , 1991, 179, 245-254.	1.2	5
32	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 50 222 Td (3,4,5,6-tetra) methylene chloride. <i>Inorganica Chimica Acta</i> , 1991, 182, 213-220.	1.2	6
33	Synthesis, molecular structures, properties and reactions of halo- and carbonyl(amine)copper(I) complexes. <i>Polyhedron</i> , 1990, 9, 2319-2351.	1.0	56
34	Synthesis of S -methylisopropylidenehydrazinecarbodithioate complexes of aluminum. <i>Heteroatom Chemistry</i> , 1990, 1, 291-294.	0.4	0
35	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. <i>Inorganica Chimica Acta</i> , 1990, 173, 163-173.	1.2	6
36	Products and kinetics of the reactions of bis-(acetylacetonato)copper(II) with Ni(NS) ₂ and Cu(NS) ₂ reagents in methylene chloride. <i>Inorganica Chimica Acta</i> , 1990, 177, 167-178.	1.2	6

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37	Transmetalation of tetranuclear copper(I) complexes with an Fe(NS) ₃ reagent. <i>Inorganica Chimica Acta</i> , 1990, 168, 65-76.	1.2	12
38	Products and kinetics of the direct, specific transmetalation of $(\mu_4\text{-O})\text{N}_4\text{Cu}(\text{Ni}(\text{H}_2\text{O}))_3\text{Cl}_6$ (N =) $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (N, 1}$ and product formation rates. <i>Inorganic Chemistry</i> , 1990, 29, 1198-1205.	1.9	14
39	Rate law variations in the specific monotransmetalation of $(\mu_4\text{-O})(\text{N},\text{py})_4\text{Cu}_4\text{-xMxX}_6$ complexes with Zn(NS) ₂ in nitrobenzene. <i>Inorganic Chemistry</i> , 1990, 29, 1206-1210.	1.9	10
40	Single-phase Cu _{0.50} Ni _{0.50} alloy preparation by thermolysis of a simple heteropolymetallic precursor. <i>Materials Letters</i> , 1990, 9, 231-234.	1.3	10
41	Transmetalation: A New Route to Heteropolymetallic Molecules and Materials. <i>Comments on Inorganic Chemistry</i> , 1989, 8, 203-220.	3.0	20
42	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. <i>Inorganica Chimica Acta</i> , 1989, 160, 83-86.	1.2	7
43	Kinetic proof that the tetranuclear oxocopper(II) complex $(\text{py})_3\text{Cu}_4\text{Cl}_4\text{O}_2$ initiates and catalyzes the oxidative coupling of 2,6-dimethylphenol by dioxygen in nitrobenzene. <i>Inorganic Chemistry</i> , 1989, 28, 1909-1914.	1.9	33
44	Limits of direct transmetalation of polynuclear copper(II) complexes with M(NS) _n reagents. Scissor transmetalators. Synthesis and properties of the trimers $(\mu_3\text{-O})(\text{N},\text{py})_3\text{Cu}_3\text{X}_4$ (N =) $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (N, 1}$		
45	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
46	Stoichiometry and products of transmetalation of dimeric copper(I) complexes L ₂ Cu ₂ X ₂ (L is an N,N,N',N'-tetraalkyldiamine;) $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (N, 1}$	1.2	15
47	The kinetics of primary events in the reactions of L ₂ Cu ₂ X ₂ complexes (L is an N,N,N',N'-tetraalkyldiamine;) $\text{Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50 457 Td (N, 1}$	1.2	16
48	Stoichiometry, products and kinetics of transmetalation of dimeric copper(II) complexes L ₂ Cu ₂ X ₂ Y (L) $\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (N, 1}$	1.2	10
49	Progressive transmetalation of tetranuclear dioxocopper(II) complexes with cobalt reagents. <i>Inorganic Chemistry</i> , 1988, 27, 1872-1879.	1.9	8
50	Stoichiometry and kinetics of low-temperature oxidation of di- μ -chlorobis(N,N,N',N'-tetraethylethylenediamine)dycopper by dioxygen in methylene chloride and properties of the peroxocopper products. <i>Inorganic Chemistry</i> , 1987, 26, 3266-3273.	1.9	36
51	Transmetalation of tetranuclear copper complexes. 9. Stoichiometry and kinetics of transmetalation of $(\mu_4\text{-O})[\text{NCu}]_4\text{X}_6$ complexes by M(NS) ₂ reagents in aprotic solvents. <i>Inorganic Chemistry</i> , 1986, 25, 3899-3903.	1.9	14
52	Transmetalation of tetranuclear copper complexes. 8. Transmetalation of tetranuclear copper(I) complexes with a Co(NS) ₃ reagent. <i>Inorganic Chemistry</i> , 1986, 25, 2373-2377.	1.9	20
53	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.	1.9	17
54	Selective transmetalation and demetalation of heteropolynuclear metal complexes. <i>Inorganic Chemistry</i> , 1986, 25, 3904-3909.	1.9	20

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55	Distinguishable sites in tetranuclear oxocopper(II) complexes (py) ₃ Cu ₄ Cl ₄ O ₂ and (DENC) ₃ Cu ₃ M(H ₂ O)Cl ₄ O ₂ (M = Co, Ni, Cu, Zn). <i>Inorganic Chemistry</i> , 1986, 25, 4479-4487.	1.9	25
56	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.	1.9	16
57	Transmetalation of tetranuclear copper complexes. 5. Transmetalation of copper(I) complexes and stoichiometry and kinetics of oxidation of neutral tetranuclear (DENC) ₃ Cu ₃ M(NS) ₄ (DENC =) Tj ETQq1 1 0.784314 rgBT /Overlock 19 1929-1934.	1.9	19
58	PREVENTION OF GUM FORMATION AND VISCOSITY INCREASES IN COAL-DERIVED DISTILLATE FUELS. <i>Petroleum Science and Technology</i> , 1986, 4, 327-343.	0.2	1
59	Transmetalation of tetranuclear copper complexes. 7. Spectral evidence for the substoichiometric transmetalation of (μ ₄ -O)[(DENC)Cu] ₄ X ₆ complexes (DENC = N,N-diethylnicotinamide; X = Cl or Br) by a bis(acetone S-methyl hydrazonocarbodithioato)nickel reagent. <i>Inorganic Chemistry</i> , 1986, 25, 2269-2271.	1.9	33
60	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.	1.2	16
61	Crystal and molecular structures of three M(NS) ₂ transmetalating agents (NS is a monoanionic) Tj ETQq1 1 0.784314 rgBT /Overlock 19	1.2	19
62	MINIMIZATION OF THE RATE OF AMBIENT DIOXYGEN CONSUMPTION BY A COAL-DERIVED MIDDLE DISTILLATE. <i>Petroleum Science and Technology</i> , 1986, 4, 575-591.	0.2	0
63	Synthesis, structure and properties of the isomeric dinuclear complexes [(DENC) ₂ CuX ₂] ₂ (DENC =) Tj ETQq1 1 0.784314 rgBT /Overlock 19 chloride. <i>Inorganica Chimica Acta</i> , 1985, 98, 85-94.	1.2	23
64	Transmetalation of 1/4-carbonatodicopper(II) complexes with M(NS) ₂ reagents. <i>Inorganica Chimica Acta</i> , 1985, 104, 131-135.	1.2	12
65	Stoichiometry and kinetics of oxidation of dimeric bis(μ-halo)-bis((diamine)copper(I)) complexes L ₂ Cu ₂ X ₂ by dioxygen in aprotic solvents. <i>Inorganic Chemistry</i> , 1985, 24, 3387-3390.	1.9	36
66	Transmetallation reactions of tetranuclear copper(II) complexes. I. Crystal and molecular structures		

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73	Homogeneous oxidative coupling catalysts. Stoichiometry and kinetics of the reactions of two structurally distinct (μ -carbonato)-dicopper(II) oxidative coupling initiators with 2,4,6-trichlorophenol in methylene chloride. <i>Inorganic Chemistry</i> , 1981, 20, 3757-3763.	1.9	11
74	Synthesis, physical properties and structural characterization of μ -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 (Et ₂ NCH ₂ CH ₂ NEt ₂) ₂ Cu ₂ Cl ₂ (asym. μ -CO ₃). <i>Inorganic Chemistry</i> , 1980, 19, 201-208.	1.9	55
75	Homogeneous Oxidative Coupling Catalysts. <i>Advances in Chemistry Series</i> , 1979, , 178-194.	0.6	18
76	Homogeneous oxidative coupling catalysts. Properties of the oxidative coupling initiator obtained from the reaction of copper(I) chloride with oxygen in pyridine. <i>Inorganic Chemistry</i> , 1978, 17, 1814-1819.	1.9	33
77	A phenomenological model for redox reactions in solution application to aquocobalt(III) systems. <i>Coordination Chemistry Reviews</i> , 1974, 14, 269-285.	9.5	13
78	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.	9.5	12
79	Aspects of the chemistry of cobalt(III) in aqueous perchlorate solution. <i>Coordination Chemistry Reviews</i> , 1970, 5, 349-378.	9.5	42
80	Stoichiometry and kinetics of manganese(III) reactions with hydrazine and the methylhydrazines in acid perchlorate solution. <i>The Journal of Physical Chemistry</i> , 1969, 73, 2248-2253.	2.9	20
81	Some aspects of the chemistry of manganese(III) in aqueous solution. <i>Coordination Chemistry Reviews</i> , 1969, 4, 199-224.	9.5	211
82	Kinetics and stoichiometry of the reaction between manganese(III) and hydrogen peroxide in acid perchlorate solution. <i>Inorganic Chemistry</i> , 1968, 7, 146-154.	1.9	68