

James Donahue

List of Publications by Year in descending order

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1,942
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279798

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62
times ranked

1633
citing authors

#	ARTICLE	IF	CITATIONS
1	Bis[1,2-bis(4-chlorophenyl)ethylene-1,2-dithiolato(1 ⁻)]nickel(II). IUCrData, 2022, 7, .	0.3	3
2	Richard Hadley Holm: A Remembrance and A Tribute. Comments on Inorganic Chemistry, 2022, 42, 61-108.	5.2	2
3	Tetrakis-1,2,4,5-(bis(3,5-dimethylphenyl)phosphino)benzene (Me16tpbz): A soluble and spectroscopically simple variant of the 1,2,4,5-tetraphosphinobenzene ligand platform. Polyhedron, 2021, 196, 114985.	2.2	0
4	Open-Ended Metallodithiolene Complexes with the 1,2,4,5-Tetrakis(diphenylphosphino)benzene Ligand: Modular Building Elements for the Synthesis of Multimetal Complexes. Inorganic Chemistry, 2021, 60, 13177-13192.	4.0	3
5	Group 10 Metal Dithiolene Bis(isonitrile) Complexes: Synthesis, Structures, Properties, and Reactivity. Organometallics, 2020, 39, 2854-2870.	2.3	8
6	Synthesis and Structures of Polyphenylphenanthrenes. Chemistry - A European Journal, 2020, 26, 8458-8464.	3.3	8
7	Crystal structure of [[Mo ₃ Se ₇ (S ₂ CNEt ₂) ₃] ₂ (^{1/4} -Se)] · 2(C ₆ H ₄ Cl ₂), C ₄₂ H ₆₈ Cl ₄ Mo ₆ N ₆ S ₁₂ Se ₁₅ . Zentralblatt für Kristallographie - New Crystal Structures, 2020, 225, 739-742	0.3	0
8	Tris[<i>N,N</i> -bis(3,5-di- <i>tert</i> -butylbenzyl)dithiocarbamato- ²⁻] <i>S,S</i> - ^{1/4} -sulfido-tris(^{1/4} -disulfido- <i>triangulo</i> -trimolybdenum(IV) iodide. IUCrData, 2020, 5, .	0.3	0
9	Self-Assembled Monolayers of Molybdenum Sulfide Clusters on Au Electrode as Hydrogen Evolution Catalyst for Solar Water Splitting. Inorganics, 2019, 7, 79.	2.7	4
10	A Simple, Serendipitous Synthesis of Heterohexahelicenes. European Journal of Organic Chemistry, 2019, 2019, 6534-6538.	2.4	2
11	Photocatalytic H ₂ -Evolution by Homogeneous Molybdenum Sulfide Clusters Supported by Dithiocarbamate Ligands. Inorganic Chemistry, 2019, 58, 16458-16474.	4.0	11
12	Synthesis of MoS ₂ from [Mo ₃ S ₇ (S ₂ CNEt ₂) ₃]I for enhancing photoelectrochemical performance and stability of Cu ₂ O photocathode toward efficient solar water splitting. Journal of Materials Chemistry A, 2018, 6, 9569-9582.	10.3	33
13	Redox-Active Metallodithiolene Groups Separated by Insulating Tetraphosphinobenzene Spacers. Inorganic Chemistry, 2018, 57, 4023-4038.	4.0	14
14	Ligand Radicals as Modular Organic Electron Spin Qubits. Chemistry - A European Journal, 2018, 24, 17598-17605.	3.3	15
15	Ethyl 2-[2-(4-oxo-4 <i>H</i> -chromen-2-yl)phenoxy]acetate. IUCrData, 2018, 3, .	0.3	2
16	A dibenzofuran derivative: 2-(pentyloxy)dibenzo[<i>b</i> , <i>d</i>]furan. IUCrData, 2018, 3, .	0.3	2
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19	Crystal structure of tetraisobutylthiuram disulfide. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1764-1769.	0.5	2
20	Hairpin Furans and Giant Biaryls. Journal of Organic Chemistry, 2016, 81, 3838-3847.	3.2	10
21	Synthesis and Structures of [LCu(I)(SSi ^{<sup>i>/i></sup>Pr₃)] (L = triphos, carbene) and Related Compounds. Inorganic Chemistry, 2016, 55, 9173-9177.}	4.0	12
22	An S ₄ -symmetric mixed-valent decacopper cage comprised of [Cu ^{II} (L-S ₂ N ₂)] complexes bridged by Cu ^I (MeCN) _n (n = 1 or 2) cations. Dalton Transactions, 2016, 45, 2997-3002.	3.3	4
23	The Hairpin Furans: Easily Prepared Hybrids of Helicenes and Twisted Acenes. Angewandte Chemie - International Edition, 2015, 54, 13957-13960.	13.8	25
24	Tetrahydroberberine, a pharmacologically active naturally occurring alkaloid. Acta Crystallographica Section C, Structural Chemistry, 2015, 71, 262-265.	0.5	21
25	A Structural and Spectroscopic Investigation of Octahedral Platinum Bis(dithiolene)phosphine Complexes: Platinum Dithiolene Internal Redox Chemistry Induced by Phosphine Association. Inorganic Chemistry, 2014, 53, 9192-9205.	4.0	26
26	Weak C-H...X(X= O, N) hydrogen bonds in the crystal structure of dihydroberberine. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 388-391.	0.5	7
27	Ancillary Ligand Effects upon Dithiolene Redox Noninnocence in Tungsten Bis(dithiolene) Complexes. Inorganic Chemistry, 2013, 52, 6743-6751.	4.0	24
28	Redox-Controlled Interconversion between Trigonal Prismatic and Octahedral Geometries in a Monodithiolene Tetracarbonyl Complex of Tungsten. Inorganic Chemistry, 2012, 51, 346-361.	4.0	25
29	Long-Range Spin Coupling: A Tetraphosphine-Bridged Palladium Dimer. Inorganic Chemistry, 2011, 50, 2995-3002.	4.0	22
30	The dithiolene ligand and tetrathiafulvalene precursor molecules 4,5-bis(bromomethyl)-1,3-dithiol-2-one and 4,5-bis[(dihydroxyphosphoryl)methyl]-1,3-dithiol-2-one. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, o446-o449.	0.4	2
31	A tungsten-mediated closed cycle of reactivity for the reduction of CO ₂ to CO. Dalton Transactions, 2010, 39, 9662.	3.3	21
32	Synthesis, Structures, and Properties of 1,2,4,5-Benzenetetrathiolate Linked Group 10 Metal Complexes. Inorganic Chemistry, 2009, 48, 10591-10607.	4.0	42
33	Synthesis, Structures, and Properties of Mixed Dithiolene-Carbonyl and Dithiolene-Phosphine Complexes of Tungsten. Inorganic Chemistry, 2009, 48, 2103-2113.	4.0	41
34	An unusual trigonal D ₃ assembly composed of molybdate anions and multiply bonded dimolybdenum units. Dalton Transactions, 2008, , 1547.	3.3	8
35	A Convergent Approach to the Synthesis of Multimetallic Dithiolene Complexes. Inorganic Chemistry, 2008, 47, 5570-5572.	4.0	13
36	Reversible, Electrochemically Controlled Binding of Phosphine to Iron and Cobalt Bis(dithiolene) Complexes. Inorganic Chemistry, 2007, 46, 5131-5133.	4.0	21

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37	Preparation and Isolation of Dithiolene Thiophosphoryl Molecules as Stable, Protected Forms of Dithiolene Ligands. <i>Inorganic Chemistry</i> , 2007, 46, 3283-3288.	4.0	17
38	Thermodynamic Scales for Sulfur Atom Transfer and Oxo-for-Sulfido Exchange Reactions. <i>Chemical Reviews</i> , 2006, 106, 4747-4783.	47.7	64
39	A Closer Look at the Hydroiodination of Propiolic Acid. <i>Synthetic Communications</i> , 2006, 36, 3461-3471.	2.1	4
40	Synthesis and structural characterization of the molecular loop [cis-Mo ₂ (N,N'-di-p-anisylformamidinate) ₂] ₂ (O ₂ C=CH...C≡C...CH=CO) ₂ . <i>Inorganica Chimica Acta</i> , 2005, 358, 1373-1376.	3.4	12
41	Strong Electronic Coupling between Mo _{2n+} Units: The Oxidation Products of [Mo ₂ (DAniF) ₃] ₂ (¹ / ₄ H) ₂ and Mo ₂ (DAniF) ₄ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2606-2612.	1.2	26
42	An Asymmetric Edge-Sharing Biocubane Complex: (Å ² -DAniF)MoIII(Å-DAniF) ₂ (Å-O,Cl)MoVCl ₂ (DAniF=N,N'-di-p-anisylformamidinate). <i>Journal of Cluster Science</i> , 2003, 14, 289-298.	3.3	2
43	Polyunsaturated Dicarboxylate Tethers Connecting Dimolybdenum Redox and Chromophoric Centers: Å Syntheses, Structures, and Electrochemistry. <i>Journal of the American Chemical Society</i> , 2003, 125, 5436-5450.	13.7	127
44	Polyunsaturated Dicarboxylate Tethers Connecting Dimolybdenum Redox and Chromophoric Centers: Å Absorption Spectra and Electronic Structures. <i>Journal of the American Chemical Society</i> , 2003, 125, 5486-5492.	13.7	71
45	Cyclic Polyamidato Dianions as Bridges between Mo _{2n+} Units: Å Synthesis, Crystal Structures, Electrochemistry, Absorption Spectra, and Electronic Structures. <i>Journal of the American Chemical Society</i> , 2003, 125, 8900-8910.	13.7	46
46	The First Designed Syntheses of Bis-dimetal Molecules in Which the Bridges Are Diamidate Ligands. <i>Inorganic Chemistry</i> , 2002, 41, 1354-1356.	4.0	45
47	The Simplest Supramolecular Complexes Containing Pairs of Mo ₂ (formamidinate) ₃ Units Linked with Various Dicarboxylates: Å Preparative Methods, Structures, and Electrochemistry. <i>Inorganic Chemistry</i> , 2001, 40, 1234-1244.	4.0	137
48	Quadridentate Bridging EO ₄₂ -(E = S, Mo, W) Ligands and Their Role as Electronic Bridges. <i>Inorganic Chemistry</i> , 2001, 40, 2229-2233.	4.0	48
49	Synthesis and Structures of Bis(dithiolene)molybdenum Complexes Related to the Active Sites of the DMSO Reductase Enzyme Family. <i>Inorganic Chemistry</i> , 2000, 39, 263-273.	4.0	128
50	Completion of the Series of M ₂ (hpp) ₄ Cl ₂ Compounds from W to Pt: Å The W, Os, and Pt Compounds. <i>Inorganic Chemistry</i> , 2000, 39, 2581-2584.	4.0	46
51	The Unperturbed Oxo-Sulfido Functional Group cis-MoVIO Related to That in the Xanthine Oxidase Family of Molybdoenzymes: Å Synthesis, Structural Characterization, and Reactivity Aspects. <i>Inorganic Chemistry</i> , 1999, 38, 4104-4114.	4.0	53
52	3,4-Bis(1-adamantyl)-1,2-dithiete: the First Structurally Characterized Dithiete Unsupported by a Ring or Benzenoid Frame. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1998, 54, 1175-1178.	0.4	7
53	Synthesis, Structures, and Oxo Transfer Reactivity of Bis(dithiolene)tungsten(IV,VI) Complexes Related to the Active Sites of Tungstoenzymes. <i>Journal of the American Chemical Society</i> , 1998, 120, 8102-8112.	13.7	119
54	Synthesis, Structures, and Reactivity of Bis(dithiolene)molybdenum(IV,VI) Complexes Related to the Active Sites of Molybdoenzymes. <i>Journal of the American Chemical Society</i> , 1998, 120, 12869-12881.	13.7	126

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55	Molybdenum and Tungsten Structural Analogues of the Active Sites of the MoIV+ [O] \hat{a} t' MoVIO Oxygen Atom Transfer Couple of DMSO Reductases. <i>Journal of the American Chemical Society</i> , 1998, 120, 3259-3260.	13.7	53
56	Comparative Kinetics of Oxo Transfer to Substrate Mediated by Bis(dithiolene)dioxomolybdenum and -tungsten Complexes. <i>Inorganic Chemistry</i> , 1998, 37, 1602-1608.	4.0	120
57	Synthesis of New Types of Dithiolene Ligands. <i>Inorganic Chemistry</i> , 1995, 34, 5567-5572.	4.0	18
58	A thermodynamic scale for oxygen atom transfer reactions. <i>Polyhedron</i> , 1993, 12, 571-589.	2.2	188