

Thomas L Groy

List of Publications by Year in descending order

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papers

5,958
citations

201575

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docs citations

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times ranked

5769
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#	ARTICLE	IF	CITATIONS
1	Multi PCET in symmetrically substituted benzimidazoles. <i>Chemical Science</i> , 2021, 12, 12667-12675.	3.7	5
2	Reaction of a Molybdenum Bis(dinitrogen) Complex with Carbon Dioxide: A Combined Experimental and Computational Investigation. <i>Inorganic Chemistry</i> , 2021, 60, 7708-7718.	1.9	2
3	Proton-coupled electron transfer across benzimidazole bridges in bioinspired proton wires. <i>Chemical Science</i> , 2020, 11, 3820-3828.	3.7	23
4	Solution and Solid-State Characterization of PbSe Precursors. <i>ACS Omega</i> , 2020, 5, 1949-1955.	1.6	5
5	Efficient Cobalt Catalyst for Ambient-Temperature Nitrile Dihydroboration, the Elucidation of a Chelate-Assisted Borylation Mechanism, and a New Synthetic Route to Amides. <i>Journal of the American Chemical Society</i> , 2019, 141, 15327-15337.	6.6	47
6	Controlling Proton-Coupled Electron Transfer in Bioinspired Artificial Photosynthetic Relays. <i>Journal of the American Chemical Society</i> , 2018, 140, 15450-15460.	6.6	52
7	Isolation of Mn(II) Compounds Featuring a Reduced Bis(imino)pyridine Chelate and Their Relevance to Electrocatalytic Hydrogen Production. <i>Inorganic Chemistry</i> , 2018, 57, 6065-6075.	1.9	14
8	A η^2 -diketiminate manganese catalyst for alkene hydrosilylation: substrate scope, silicone preparation, and mechanistic insight. <i>Chemical Science</i> , 2018, 9, 7673-7680.	3.7	62
9	Mechanistic Investigation of Bis(imino)pyridine Manganese Catalyzed Carbonyl and Carboxylate Hydrosilylation. <i>Journal of the American Chemical Society</i> , 2017, 139, 4901-4915.	6.6	88
10	Water-bearing, high-pressure Ca-silicates. <i>Earth and Planetary Science Letters</i> , 2017, 469, 148-155.	1.8	11
11	Synthesis and Electrocatalytic Activity of [FeFe]-Hydrogenase Model Complexes with Non-Innocent Chelating Nitrogen-Donor Ligands. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2942-2950.	1.0	18
12	Hydrosilylation of Aldehydes and Formates Using a Dimeric Manganese Precatalyst. <i>Organometallics</i> , 2017, 36, 3477-3483.	1.1	43
13	A Pentacoordinate Mn(II) Precatalyst That Exhibits Notable Aldehyde and Ketone Hydrosilylation Turnover Frequencies. <i>Inorganic Chemistry</i> , 2015, 54, 10398-10406.	1.9	56
14	A Nickel Phosphine Complex as a Fast and Efficient Hydrogen Production Catalyst. <i>Journal of the American Chemical Society</i> , 2015, 137, 1109-1115.	6.6	137
15	Antineoplastic Agents. 599. Total Synthesis of Dolastatin 16. <i>Journal of Natural Products</i> , 2015, 78, 476-485.	1.5	21
16	Carbon Dioxide Promoted H^+ Reduction Using a Bis(imino)pyridine Manganese Electrocatalyst. <i>Inorganic Chemistry</i> , 2015, 54, 4475-4482.	1.9	45
17	Conversion of Carbon Dioxide to Methanol Using a $C-H$ Activated Bis(imino)pyridine Molybdenum Hydroboration Catalyst. <i>Inorganic Chemistry</i> , 2015, 54, 7506-7515.	1.9	37
18	A bioinspired redox relay that mimics radical interactions of the Tyr-His pairs of photosystem II. <i>Nature Chemistry</i> , 2014, 6, 423-428.	6.6	133

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19	Antineoplastic Agents. 595. Structural Modifications of Betulin and the X-ray Crystal Structure of an Unusual Betulin Amine Dimer. <i>Journal of Natural Products</i> , 2014, 77, 863-872.	1.5	27
20	Preparation and Hydrosilylation Activity of a Molybdenum Carbonyl Complex That Features a Pentadentate Bis(imino)pyridine Ligand. <i>Inorganic Chemistry</i> , 2014, 53, 9357-9365.	1.9	22
21	Catalytic Hydrogen Evolution by Fe(II) Carbonyls Featuring a Dithiolate and a Chelating Phosphine. <i>Inorganic Chemistry</i> , 2014, 53, 8919-8929.	1.9	39
22	A Highly Active Manganese Precatalyst for the Hydrosilylation of Ketones and Esters. <i>Journal of the American Chemical Society</i> , 2014, 136, 882-885.	6.6	137
23	Rational Design of Rhodium Complexes Featuring $\text{P}^{\text{N}}\text{C}_4$ and $\text{P}^{\text{N}}\text{C}_5$ Bis(imino)pyridine Ligands. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4430-4442.	1.0	23
24	Investigating Hydrogen-Bonded Phosphonic Acids with Proton Ultrafast MAS NMR and DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18824-18830.	1.5	16
25	Modeling, Synthesis and Biological Evaluation of Potential Retinoid X Receptor Selective Agonists: Novel Halogenated Analogues of 4-[1-(3,5,5,8-Pentamethyl-5,6,7,8-tetrahydro-2-naphthyl)ethynyl]benzoic Acid (Bexarotene). <i>ChemMedChem</i> , 2012, 7, 1551-1566.		13
26	Structure of a new form of silicon phosphate (SiP2O7) synthesized at high pressures and temperatures. <i>Journal of Solid State Chemistry</i> , 2012, 190, 221-225.	1.4	11
27	Molecular asymmetry in extraterrestrial organic chemistry: An analytical perspective. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 645-656.	1.6	68
28	A new phase in the system lithium-aluminum: Characterization of orthorhombic Li2Al. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2528-2533.	1.4	38
29	2-Fluoro-4-(methoxycarbonyl)benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o2340-o2340.	0.2	1
30	Facile Synthesis and Characterization of Phosphorescent Pt(N ^S)C ^S X Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 11276-11286.	1.9	137
31	Growth and single-crystal refinement of phase-III potassium nitrate, KNO ₃ . <i>Acta Crystallographica Section B: Structural Science</i> , 2009, 65, 659-663.	1.8	17
32	Synthesis and Fundamental Properties of Stable Ph ₃ SnSiH ₃ and Ph ₃ SnGeH ₃ Hydrides: Model Compounds for the Design of Si-Ge-Sn Photonic Alloys. <i>Inorganic Chemistry</i> , 2009, 48, 6314-6320.	1.9	10
33	Modeling, Synthesis and Biological Evaluation of Potential Retinoid X Receptor (RXR) Selective Agonists: Novel Analogues of 4-[1-(3,5,5,8-Pentamethyl-5,6,7,8-tetrahydro-2-naphthyl)ethynyl]benzoic Acid (Bexarotene). <i>Journal of Medicinal Chemistry</i> , 2009, 52, 5950-5966.	2.9	52
34	Antineoplastic Agents. 579. Synthesis and Cancer Cell Growth Evaluation of E-Stilstatin 3: A Resveratrol Structural Modification. <i>Journal of Natural Products</i> , 2009, 72, 1637-1642.	1.5	24
35	Zn ₅ Sb ₄ In ₂ is a Ternary Derivative of Thermoelectric Zinc Antimonides. <i>Inorganic Chemistry</i> , 2009, 48, 5996-6003.	1.9	7
36	High-pressure modifications of CaZn ₂ , SrZn ₂ , SrAl ₂ , and BaAl ₂ : Implications for Laves phase structural trends. <i>Journal of Solid State Chemistry</i> , 2008, 181, 3016-3023.	1.4	22

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37	A new high-pressure CaGe ₂ O ₅ polymorph with 5- and 6-coordinated germanium. <i>American Mineralogist</i> , 2007, 92, 441-443.	0.9	15
38	Di- $\frac{1}{4}$ -acetato- $\frac{1}{4}$ -oxido- $\frac{1}{4}$ -oxido-bis[(acetic acid- $\frac{1}{2}$ O)bis(1H-imidazole- $\frac{1}{3}$ N ₃)magnesium(II)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m2153-m2154.	0.2	7
39	High-pressure synthesis and crystal structure of silicon phosphate hydroxide, SiPO ₄ (OH). <i>Journal of Solid State Chemistry</i> , 2005, 178, 2594-2601.	1.4	6
40	Anhydrous 1-methylimidazolidin-2-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o3269-o3270.	0.2	3
41	1,3-Bis(3,4,5-trimethoxyphenyl)-2,3-epoxypropanone: an anticancer chalcone epoxide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o4300-o4302.	0.2	1
42	Ca ₂ SiO ₃ OH \bar{A} A high-pressure phase with dense calcium polyhedral packing and tetrahedral silicon. <i>American Mineralogist</i> , 2005, 90, 115-121.	0.9	6
43	EPR and Magnetic Properties of Heteronuclear MnMg _{6-n} (O ₂ CNEt ₂) ₁₂ : \bar{A} Impact of Structural Distortions on Mn(II) in Weak Ligand Fields. <i>Inorganic Chemistry</i> , 2004, 43, 506-514.	1.9	23
44	Carbon \bar{A} Sulfur Bond Cleavage in Bis(N-alkyldithiocarbamato)cadmium(II) Complexes: \bar{A} Heterolytic Desulfurization Coupled to Topochemical Proton Transfer. <i>Inorganic Chemistry</i> , 2004, 43, 3180-3188.	1.9	46
45	Layered Structures Constructed from New Linkages of Ge ₇ (O,OH,F) ₁₉ Clusters. <i>Chemistry of Materials</i> , 2003, 15, 714-718.	3.2	50
46	Crystal structure of protoanthophyllite: A new mineral from the Takase ultramafic complex, Japan. <i>American Mineralogist</i> , 2003, 88, 1718-1723.	0.9	6
47	Synthesis and Characterization of Zirconogermanates. <i>Inorganic Chemistry</i> , 2003, 42, 5954-5959.	1.9	43
48	Metal Ion Scrambling in Hexanuclear M ₆ (Et ₂ NCO ₂) ₁₂ Complexes (M = Co, Mg). Synthesis, Solid State Structure, and Solution Dynamics of Heteronuclear CoMg _{6-n} (Et ₂ NCO ₂) ₁₂ Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 3183-3190.	1.9	15
49	Interaction of Biotin with Mg \bar{A} O Bonds: \bar{A} Bifunctional Binding and Recognition of Biotin and Related Ligands by the Mg(15-crown-5) ₂ +Unit. <i>Journal of the American Chemical Society</i> , 2002, 124, 1933-1940.	6.6	21
50	Synthesis, Structure, and Preparative Transamination of Tetrazinc Carbamate Complexes Having the Basic Zinc Carboxylate Structure. <i>Inorganic Chemistry</i> , 2002, 41, 1120-1127.	1.9	65
51	The structure of Mn-rich taperssuatsiaite: A palygorskite-related mineral. <i>American Mineralogist</i> , 2002, 87, 1458-1463.	0.9	24
52	Recognition and cleavage at the DNA major groove. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 2445-2459.	1.4	11
53	Design and synthesis of metal-carboxylate frameworks with permanent microporosity. <i>Topics in Catalysis</i> , 1999, 9, 105-111.	1.3	77
54	Crystal structure of kanemite, NaHSi ₂ O ₅ .3H ₂ O, from the Aris Phonolite, Namibia. <i>American Mineralogist</i> , 1999, 84, 1170-1175.	0.9	65

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55	Establishing Microporosity in Open Metal-Organic Frameworks: Gas Sorption Isotherms for Zn(BDC) (BDC = 1,4-Benzenedicarboxylate). <i>Journal of the American Chemical Society</i> , 1998, 120, 8571-8572.	6.6	1,060
56	Coordinatively Unsaturated Metal Centers in the Extended Porous Framework of Zn ₃ (BDC) ₃ ·6CH ₃ OH (BDC = 1,4-Benzenedicarboxylate). <i>Journal of the American Chemical Society</i> , 1998, 120, 2186-2187.	6.6	376
57	Synthetic Strategies, Structure Patterns, and Emerging Properties in the Chemistry of Modular Porous Solids. <i>Accounts of Chemical Research</i> , 1998, 31, 474-484.	7.6	2,133
58	A Molecular Railroad with Large Pores: Synthesis and Structure of Ni(4,4'-bpy) ₂ ·5(H ₂ O) ₂ (ClO ₄) ₂ ·1.5(4,4'-bpy)·2H ₂ O. <i>Inorganic Chemistry</i> , 1997, 36, 4292-4293.	1.9	393
59	Synthesis and Characterization of Tetrakis(trihalogermyl)methanes. Molecules Containing Sterically Strained Carbon Centers. <i>Inorganic Chemistry</i> , 1995, 34, 5103-5104.	1.9	20
60	The Dolastatins. 22. Synthesis Of Boc-Dolaproinyl Dolaphenine and Four Related Chiral Isomers. <i>Journal of Organic Chemistry</i> , 1994, 59, 2935-2938.	1.7	10
61	Sterols of marine invertebrates. 63. Isolation and structure elucidation of sutinasterol, the major sterol of the marine sponge <i>Xestospongia</i> sp. <i>Journal of Organic Chemistry</i> , 1991, 56, 58-62.	1.7	19