

Thomas L Groy

List of Publications by Year in descending order

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5,958
citations

201575

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all docs

61
docs citations

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times ranked

5769
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	A Molecular Railroad with Large Pores: Synthesis and Structure of Ni(4,4'-bpy)2.5(H2O)2(CIO4)2·1.5(4,4'-bpy)·2H2O. <i>Inorganic Chemistry</i> , 1997, 36, 4292-4293.	1.9	393
4	Coordinatively Unsaturated Metal Centers in the Extended Porous Framework of Zn3(BDC)3·6CH3OH (BDC = 1,4-Benzenedicarboxylate). <i>Journal of the American Chemical Society</i> , 1998, 120, 2186-2187.	6.6	376
5	Facile Synthesis and Characterization of Phosphorescent Pt(NC)X Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 11276-11286.	1.9	137
6	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
7	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
8	A bioinspired redox relay that mimics radical interactions of the TyrHis pairs of photosystem II. <i>Nature Chemistry</i> , 2014, 6, 423-428.	6.6	133
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	Design and synthesis of metal-carboxylate frameworks with permanent microporosity. <i>Topics in Catalysis</i> , 1999, 9, 105-111.	1.3	77
11	Molecular asymmetry in extraterrestrial organic chemistry: An analytical perspective. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 645-656.	1.6	68
12	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
13	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
14	A β -diketiminate manganese catalyst for alkene hydrosilylation: substrate scope, silicone preparation, and mechanistic insight. <i>Chemical Science</i> , 2018, 9, 7673-7680.	3.7	62
15	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
16	Modeling, Synthesis and Biological Evaluation of Potential Retinoid X Receptor (RXR) Selective Agonists: Novel Analogues of 4-[1-(3,5,5,8,8-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
17	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
18	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

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19	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
20	Carbon-Sulfur Bond Cleavage in Bis(N-alkyldithiocarbamate)cadmium(II) Complexes: Heterolytic Desulfurization Coupled to Topochemical Proton Transfer. <i>Inorganic Chemistry</i> , 2004, 43, 3180-3188.	1.9	46
21	Carbon Dioxide Promoted H ⁺ Reduction Using a Bis(imino)pyridine Manganese Electrocatalyst. <i>Inorganic Chemistry</i> , 2015, 54, 4475-4482.	1.9	45
22	Synthesis and Characterization of Zirconogermanates. <i>Inorganic Chemistry</i> , 2003, 42, 5954-5959.	1.9	43
23	Hydrosilylation of Aldehydes and Formates Using a Dimeric Manganese Precatalyst. <i>Organometallics</i> , 2017, 36, 3477-3483.	1.1	43
24	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
25	A new phase in the system lithium-aluminum: Characterization of orthorhombic Li ₂ Al. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2528-2533.	1.4	38
26	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
27	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
28	The structure of Mn-rich taperssuatsiaite: A palygorskite-related mineral. <i>American Mineralogist</i> , 2002, 87, 1458-1463.	0.9	24
29	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
30	EPR and Magnetic Properties of Heteronuclear Mn ₆ -n(O ₂ CNEt ₂) ₁₂ : Impact of Structural Distortions on Mn(II) in Weak Ligand Fields. <i>Inorganic Chemistry</i> , 2004, 43, 506-514.	1.9	23
31	Rational Design of Rhodium Complexes Featuring Ir ⁴⁺ and Ir ⁵⁺ N, N, N, N- and N, N, N, P, P-Bis(imino)pyridine Ligands. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4430-4442.	1.0	23
32	Proton-coupled electron transfer across benzimidazole bridges in bioinspired proton wires. <i>Chemical Science</i> , 2020, 11, 3820-3828.	3.7	23
33	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
34	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
35	Interaction of Biotin with Mg-O Bonds: 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
36	Antineoplastic Agents. 599. Total Synthesis of Dolastatin 16. <i>Journal of Natural Products</i> , 2015, 78, 476-485.	1.5	21

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37	Synthesis and Characterization of Tetrakis(trihalogermyl)methanes. Molecules Containing Sterically Strained Carbon Centers. <i>Inorganic Chemistry</i> , 1995, 34, 5103-5104.	1.9	20
38	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
39	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
40	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
41	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
42	Metal Ion Scrambling in Hexanuclear $\text{M}_6(\text{Et}_2\text{NCO}_2)_{12}$ Complexes (M = Co, Mg). Synthesis, Solid State Structure, and Solution Dynamics of Heteronuclear $\text{CoMg}_{6-n}(\text{Et}_2\text{NCO}_2)_{12}$ Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 3183-3190.	1.9	15
43	A new high-pressure CaGe_2O_5 polymorph with 5- and 6-coordinated germanium. <i>American Mineralogist</i> , 2007, 92, 441-443.	0.9	15
44	Isolation of Mn(I) 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
45	Modeling, Synthesis and Biological Evaluation of Potential Retinoid X Receptor Selective Agonists: Novel Halogenated Analogues of 4-(3,5,5,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthyl)ethynylbenzoic Acid (Bexarotene). <i>ChemMedChem</i> , 2012, 7, 1551-1566.		13
46	Recognition and cleavage at the DNA major groove. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 2445-2459.	1.4	11
47	Structure of a new form of silicon phosphate (SiP_2O_7) synthesized at high pressures and temperatures. <i>Journal of Solid State Chemistry</i> , 2012, 190, 221-225.	1.4	11
48	Water-bearing, high-pressure Ca-silicates. <i>Earth and Planetary Science Letters</i> , 2017, 469, 148-155.	1.8	11
49	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
50	Synthesis and Fundamental Properties of Stable $\text{Ph}_3\text{SnSiH}_3$ and $\text{Ph}_3\text{SnGeH}_3$ Hydrides: Model Compounds for the Design of $\text{Si}^{\sim}\text{Ge}^{\sim}\text{Sn}$ Photonic Alloys. <i>Inorganic Chemistry</i> , 2009, 48, 6314-6320.	1.9	10
51	$\text{Di}(\frac{1}{4}\text{-acetato})_2\text{O}(\frac{1}{4}\text{-oxido})_2\text{O-bis}[(\text{acetic acid})_2\text{O}]\text{bis}(1\text{H-imidazole})_3\text{magnesium(II)}$. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m2153-m2154.	0.2	7
52	$\text{Zn}_5\text{Sb}_4\text{In}_2$ a Ternary Derivative of Thermoelectric Zinc Antimonides. <i>Inorganic Chemistry</i> , 2009, 48, 5996-6003.	1.9	7
53	Crystal structure of protoanthophyllite: A new mineral from the Takase ultramafic complex, Japan. <i>American Mineralogist</i> , 2003, 88, 1718-1723.	0.9	6
54	High-pressure synthesis and crystal structure of silicon phosphate hydroxide, $\text{SiPO}_4(\text{OH})$. <i>Journal of Solid State Chemistry</i> , 2005, 178, 2594-2601.	1.4	6

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55	Ca ₂ SiO ₃ OH "A high-pressure phase with dense calcium polyhedral packing and tetrahedral silicon. <i>American Mineralogist</i> , 2005, 90, 115-121.	0.9	6
56	Solution and Solid-State Characterization of PbSe Precursors. <i>ACS Omega</i> , 2020, 5, 1949-1955.	1.6	5
57	Multi PCET in symmetrically substituted benzimidazoles. <i>Chemical Science</i> , 2021, 12, 12667-12675.	3.7	5
58	Anhydrous 1-methylimidazolidin-2-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o3269-o3270.	0.2	3
59	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
60	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
61	2-Fluoro-4-(methoxycarbonyl)benzoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o2340-o2340.	0.2	1