

Timothy H Warren

List of Publications by Year in descending order

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70
papers

4,686
citations

101384

36
h-index

95083

68
g-index

94
all docs

94
docs citations

94
times ranked

3442
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-Nitrene Complexes in Catalytic C-H Amination. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9961-9964.	7.2	325
2	Copper-Catalyzed sp ³ C-H Amination. <i>Organometallics</i> , 2012, 31, 7728-7752.	1.1	309
3	A Terminal Ni(III) Imide with Diverse Reactivity Pathways. <i>Journal of the American Chemical Society</i> , 2005, 127, 11248-11249.	6.6	302
4	[Me ₂ NN]Co(η ⁶ -toluene): A % OO, NN, and ON Bond Cleavage Provides ² -Diketiminato Cobalt ⁴ -Oxo and Imido Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 4798-4799.	6.6	212
5	Capture of NO by a Frustrated Lewis Pair: A New Type of Persistent N-Oxyl Radical. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7567-7571.	7.2	181
6	Discrete Bridging and Terminal Copper Carbenes in Copper-Catalyzed Cyclopropanation. <i>Journal of the American Chemical Society</i> , 2004, 126, 10085-10094.	6.6	177
7	Catalytic C-H Amination with Unactivated Amines through Copper(II) Amides. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8850-8855.	7.2	155
8	N, N-Addition of Frustrated Lewis Pairs to Nitric Oxide: An Easy Entry to a Unique Family of Aminoxy Radicals. <i>Journal of the American Chemical Society</i> , 2012, 134, 10156-10168.	6.6	153
9	Transient Terminal Cu-Nitrene Intermediates from Discrete Dicopper Nitrenes. <i>Journal of the American Chemical Society</i> , 2006, 128, 15056-15057.	6.6	150
10	Catalytic C-H Amination with Aromatic Amines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6488-6492.	7.2	144
11	Reaction of Cu ^I with Dialkyl Peroxides: Cu ^{II} -Alkoxides, Alkoxy Radicals, and Catalytic C-H Etherification. <i>Journal of the American Chemical Society</i> , 2012, 134, 17350-17353.	6.6	143
12	Dioxygen activation by a neutral ² -diketiminato copper(I) ethylene complex. <i>Chemical Communications</i> , 2001, 1998-1999.	2.2	122
13	C-H Functionalization Reactivity of a Nickel Imide. <i>Journal of the American Chemical Society</i> , 2012, 134, 10114-10121.	6.6	122
14	Mechanistic Insights into C-H Amination via Dicopper Nitrenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 9399-9406.	6.6	114
15	Re-evaluating the Cu K pre-edge XAS transition in complexes with covalent metal-ligand interactions. <i>Chemical Science</i> , 2015, 6, 2474-2487.	3.7	110
16	Synthesis of Group 4 Organometallic Complexes That Contain the Bis(borylamide) Ligand [Mes ₂ BNCH ₂ CH ₂ NBMes ₂] ₂ . <i>Organometallics</i> , 1996, 15, 562-569.	1.1	105
17	Copper(II) Anilides in sp ³ C-H Amination. <i>Journal of the American Chemical Society</i> , 2014, 136, 10930-10940.	6.6	99
18	Neutral and Cationic Group 4 Complexes Containing Bis(borylamide) Ligands, [R ₂ BNCH ₂ CH ₂ NBR ₂] ₂ -(R =) Tj ETQq0,0 0 rgBT/Overlock	1.1	94

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19	Noninteracting, Vicinal Frustrated P/B-Lewis Pair at the Norbornane Framework: Synthesis, Characterization, and Reactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 8882-8895.	6.6	89
20	Three-Coordinate η^2 -Diketiminato Nickel Nitrosyl Complexes from Nickel(I)-Lutidine and Nickel(II)-Alkyl Precursors. <i>Organometallics</i> , 2003, 22, 3974-3976.	1.1	76
21	Cu(I) η^2 -Diketiminates for Alkene Aziridination: A Reversible Cu-Arene Binding and Catalytic Nitrene Transfer from PhINTs. <i>Inorganic Chemistry</i> , 2004, 43, 6537-6539.	1.9	69
22	η^2 -Diketiminato Nickel Imides in Catalytic Nitrene Transfer to Isocyanides. <i>Organometallics</i> , 2013, 32, 2300-2308.	1.1	68
23	Frustrated Lewis Pair Modification by 1,1-Carbaboration: Disclosure of a Phosphine Oxide Triggered Nitrogen Monoxide Addition to an Intramolecular P/B Frustrated Lewis Pair. <i>Journal of the American Chemical Society</i> , 2014, 136, 9014-9027.	6.6	65
24	Nitric Oxide Oxidatively Nitrosylates Ni(I) and Cu(I) σ -Organonitroso Adducts. <i>Journal of the American Chemical Society</i> , 2009, 131, 18105-18111.	6.6	62
25	Copper-Catalyzed C(sp ³)-H Amidation: Sterically Driven Primary and Secondary C-H Site-Selectivity. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3421-3425.	7.2	61
26	Copper(II) Activation of Nitrite: Nitrosation of Nucleophiles and Generation of NO by Thiols. <i>Journal of the American Chemical Society</i> , 2017, 139, 1045-1048.	6.6	57
27	The Chemistry of a Non-Interacting Vicinal Frustrated Phosphane/Borane Lewis Pair. <i>Chemistry - A European Journal</i> , 2017, 23, 6056-6068.	1.7	56
28	Three-Coordinate N-Heterocyclic Carbene Nickel Nitrosyl Complexes. <i>Organometallics</i> , 2010, 29, 717-720.	1.1	52
29	A motif for reversible nitric oxide interactions in metalloenzymes. <i>Nature Chemistry</i> , 2016, 8, 663-669.	6.6	46
30	Copper Catalyzed sp ³ -C-H Etherification with Acyl Protected Phenols. <i>Journal of the American Chemical Society</i> , 2016, 138, 16580-16583.	6.6	46
31	Elusive Terminal Copper Arylnitrene Intermediates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6426-6430.	7.2	45
32	A Three-Coordinate Copper(II) Amide from Reductive Cleavage of a Nitrosamine. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 904-907.	7.2	43
33	A Dinitrogen Dicopper(I) Complex via a Mixed-Valence Dicopper Hydride. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9927-9931.	7.2	38
34	Cooperative 1,1-addition reactions of vicinal phosphane/borane frustrated Lewis pairs. <i>Coordination Chemistry Reviews</i> , 2016, 306, 468-482.	9.5	38
35	Frustrated Lewis Pair Chemistry Derived from Bulky Allenyl and Propargyl Phosphanes. <i>Chemistry - A European Journal</i> , 2016, 22, 1103-1113.	1.7	36
36	Nitrosyl Linkage Isomers: NO Coupling to N ₂ O at a Mononuclear Site. <i>Journal of the American Chemical Society</i> , 2019, 141, 1415-1419.	6.6	36

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37	Nitric oxide release via oxygen atom transfer from nitrite at copper(<i>ii</i>). <i>Chemical Communications</i> , 2017, 53, 549-552.	2.2	35
38	Three-Coordinate Copper(II) Aryls: Key Intermediates in C=O Bond Formation. <i>Journal of the American Chemical Society</i> , 2017, 139, 9112-9115.	6.6	34
39	Copper(I) Nitrosyls from Reaction of Copper(II) Thiolates with <i>S</i> -Nitrosothiols: Mechanism of NO Release from RSNOs at Cu. <i>Journal of the American Chemical Society</i> , 2013, 135, 16746-16749.	6.6	33
40	Redox Non-Innocence of Nitrosobenzene at Nickel. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10321-10325.	7.2	31
41	A Copper(II) Thiolate from Reductive Cleavage of an <i>S</i> -Nitrosothiol. <i>Inorganic Chemistry</i> , 2012, 51, 8658-8660.	1.9	30
42	An Ethylene-Bridged Phosphane/Borane Frustrated Lewis Pair Featuring the $\beta(\text{Fxy})_2$ Lewis Acid Component. <i>Chemistry - A European Journal</i> , 2016, 22, 11015-11021.	1.7	29
43	Three-Coordinate Copper(II) Alkynyl Complex in C=C Bond Formation: The Sesquicentennial of the Glaser Coupling. <i>Journal of the American Chemical Society</i> , 2020, 142, 18483-18490.	6.6	28
44	Reductive Cleavage of <i>O</i> -, <i>S</i> -, and <i>N</i> -Organonitroso Compounds by Nickel(I) β -Diketiminates. <i>Inorganic Chemistry</i> , 2008, 47, 10187-10189.	1.9	27
45	Copper-C-Nitroso Compounds: Activation of Hydroxylamines and NO Reactivity. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3812-3816.	1.0	20
46	Conversion of nitrite to nitric oxide at zinc via <i>S</i> -nitrosothiols. <i>Chemical Communications</i> , 2014, 50, 168-170.	2.2	20
47	A Frustrated and Confused Lewis Pair. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14335-14339.	7.2	20
48	<i>S</i> -Nitrosothiol and Nitric Oxide Reactivity at Zinc Thiolates. <i>Inorganic Chemistry</i> , 2009, 48, 5605-5607.	1.9	19
49	Radical Frustrated Lewis Pairs. <i>Topics in Current Chemistry</i> , 2013, 334, 219-238.	4.0	17
50	Unsaturated Vicinal Frustrated Lewis Pair Formation by Electrocyclic Ring Closure and Their Reaction with Nitric Oxide. <i>Organometallics</i> , 2016, 35, 3667-3680.	1.1	15
51	Copper-Catalyzed $\text{C}(\text{sp}^3)\text{-H}$ Amidation: Sterically Driven Primary and Secondary C-H Site-Selectivity. <i>Angewandte Chemie</i> , 2019, 131, 3459-3463.	1.6	15
52	Lewis Acid Coordination Redirects <i>S</i> -Nitrosothiol Signaling Output. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10854-10858.	7.2	15
53	FLPNO Nitroxide Radical Formation by a 1,1-Carboboration Route. <i>Organometallics</i> , 2016, 35, 55-61.	1.1	13
54	Decomposition of Vanadium(V) Alkylidenes Relevant to Olefin Metathesis. <i>Organometallics</i> , 2020, 39, 3906-3917.	1.1	12

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55	Radical Capture at Nickel(II) Complexes: C–C, C–N, and C–O Bond Formation. <i>Organometallics</i> , 2020, 39, 1710-1718.	1.1	12
56	Three coordinate models for the binuclear CuA electron-transfer site. <i>Chemical Science</i> , 2013, 4, 1786.	3.7	11
57	Elusive Terminal Copper Arylnitrene Intermediates. <i>Angewandte Chemie</i> , 2017, 129, 6526-6530.	1.6	11
58	Thionitrite and Perthionitrite in NO Signaling at Zinc. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21184-21188.	7.2	11
59	A Dinitrogen Dicopper(I) Complex via a Mixed-Valence Dicopper Hydride. <i>Angewandte Chemie</i> , 2016, 128, 10081-10085.	1.6	10
60	Mechanism of O-Atom Transfer from Nitrite: Nitric Oxide Release at Copper(II). <i>Inorganic Chemistry</i> , 2021, 60, 15968-15974.	1.9	10
61	Tris(pyrazolyl)borate Copper Hydroxide Complexes Featuring Tunable Intramolecular H-Bonding. <i>Inorganic Chemistry</i> , 2019, 58, 11248-11255.	1.9	9
62	Uncovering Redox Non-innocent Hydrogen-Bonding in Cu(I)-Diazene Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 15960-15974.	6.6	7
63	Quantification of Ni–N–O Bond Angles and NO Activation by X-ray Emission Spectroscopy. <i>Inorganic Chemistry</i> , 2021, 60, 736-744.	1.9	7
64	Copper(II) ketimides in sp ³ C–H amination. <i>Chemical Science</i> , 2021, 12, 15733-15738.	3.7	6
65	P/B Ketene Adduct Formation from Acyl Chlorides at a Vicinal Phosphane/Borane Frustrated Lewis Pair. <i>Israel Journal of Chemistry</i> , 2015, 55, 210-215.	1.0	5
66	Lewis Acid Coordination Redirects S–Nitrosothiol Signaling Output. <i>Angewandte Chemie</i> , 2020, 132, 10946-10950.	1.6	5
67	A Frustrated and Confused Lewis Pair. <i>Angewandte Chemie</i> , 2016, 128, 14547-14551.	1.6	3
68	Redox Non-innocence of Nitrosobenzene at Nickel. <i>Angewandte Chemie</i> , 2016, 128, 10477-10481.	1.6	2
69	Decarboxylative C(sp ³)–S Coupling via Cu–Photoredox Catalysis. <i>CheM</i> , 2020, 6, 1048-1050.	5.8	2
70	Thionitrite and Perthionitrite in NO Signaling at Zinc. <i>Angewandte Chemie</i> , 2021, 133, 21354-21358.	1.6	2