

Guido D Frey

List of Publications by Year in descending order

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42
papers

3,670
citations

257101

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54
all docs

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docs citations

54
times ranked

3045
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile Splitting of Hydrogen and Ammonia by Nucleophilic Activation at a Single Carbon Center. <i>Science</i> , 2007, 316, 439-441.	6.0	838
2	Homogeneous Catalytic Hydroamination of Alkynes and Allenes with Ammonia. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5224-5228.	7.2	346
3	N-Heterocyclic Carbenes: A Synthesis, Structures, and Electronic Ligand Properties. <i>Organometallics</i> , 2006, 25, 2437-2448.	1.1	313
4	Allene formation by gold catalyzed cross-coupling of masked carbenes and vinylidenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13569-13573.	3.3	278
5	Synthesis of a Simplified Version of Stable Bulky and Rigid Cyclic (Alkyl)(amino)carbenes, and Catalytic Activity of the Ensuing Gold(I) Complex in the Three-Component Preparation of 1,2-Dihydroquinoline Derivatives. <i>Journal of the American Chemical Society</i> , 2009, 131, 8690-8696.	6.6	225
6	Activation of Si-H, B-H, and P-H Bonds at a Single Nonmetal Center. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9444-9447.	7.2	198
7	Synthesis and Characterization of N-Heterocyclic Carbene Phospha-Palladacycles and Their Properties in Heck Catalysis. <i>Organometallics</i> , 2005, 24, 4416-4426.	1.1	183
8	A Cationic Gold(I) Complex as a General Catalyst for the Intermolecular Hydroamination of Alkynes: Application to the One-Pot Synthesis of Allenes from Two Alkynes and a Sacrificial Amine. <i>Chemistry - A European Journal</i> , 2009, 15, 3056-3060.	1.7	140
9	Rhodium and iridium complexes of N-heterocyclic carbenes: Structural investigations and their catalytic properties in the borylation reaction. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 5725-5738.	0.8	128
10	Cyclic (alkyl)(amino)carbene gold(I) complexes: A synthetic and structural investigation. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1674-1682.	0.8	127
11	Synthesis of a Room-Temperature Stable Dimeric Copper(I) Hydride. <i>Chemistry - an Asian Journal</i> , 2011, 6, 402-405.	1.7	77
12	Iminopyridine Complexes of 3d Metals for Ethylene Polymerization: A Comparative Structural Studies and Ligand Size Controlled Chain Termination. <i>Organometallics</i> , 2007, 26, 988-999.	1.1	66
13	Structural investigations of metalcarbonyl complexes with acyclic diamino carbenes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2465-2478.	0.8	53
14	Novel acyclic carbene-substituted phospha-palladacycles. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5876-5880.	0.8	45
15	Rhenium, Palladium, and Copper Pyridylalkoxide Complexes: Synthesis, Structural Characterization, and Catalytic Application in Epoxidation Reactions. <i>Organometallics</i> , 2007, 26, 6290-6299.	1.1	39
16	Synthesis and characterization of phospha-palladacycles and their catalytic properties in the olefination of chloro- and bromoarenes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 3193-3201.	0.8	38
17	Synthesis and Characterization of N-Heterocyclic Carbene Substituted Phosphine and Phosphite Rhodium Complexes and their Catalytic Properties in Hydrogenation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 1677-1691.	2.1	37
18	Chiral, bridged bis(imidazolin-2-ylidene) complexes of palladium. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4560-4568.	0.8	36

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19	75 Years of oxo synthesis – The success story of a discovery at the OXEA Site Ruhrchemie. <i>Journal of Organometallic Chemistry</i> , 2014, 754, 5-7.	0.8	35
20	A straight forward in situ preparation of NHC-substituted phosphapalladacycles. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2403-2408.	0.8	34
21	Tuning the Nucleophilicity in Cyclopropenylidenes. <i>Chemistry - A European Journal</i> , 2008, 14, 4711-4718.	1.7	33
22	Complexes of ruthenium(III) and chromium(III) with a new tetradentate N ₂ O ₂ -donor ligand: crystal structures, redox properties and spectroelectrochemistry. <i>Polyhedron</i> , 2001, 20, 3231-3237.	1.0	31
23	Bond Activation with an Apparently Benign Ethynyl Dithiocarbamate $Ar\ddot{E};C\ddot{E}1/2C\ddot{E};S\ddot{E};C(S)NR_{2}$. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9923-9925.	7.2	25
24	Tetrazole and triazole carbene complexes of group 6 metal carbonyls. <i>Inorganica Chimica Acta</i> , 2006, 359, 2622-2634.	1.2	22
25	A persistent P,N-heterocyclic carbene. <i>Chemical Communications</i> , 2008, , 4711.	2.2	22
26	Copper(I)-Catalyzed Synthesis of Ferrocenyl Aryl Ethers. <i>Organometallics</i> , 2004, 23, 3548-3551.	1.1	20
27	Synthesis and characterization of chiral mono N-heterocyclic carbene-substituted rhodium complexes and their catalytic properties in hydrosilylation reactions. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3945-3954.	0.8	19
28	Preparation of NHC-substituted phosphitepalladacycles. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 3316-3327.	0.8	18
29	Oxidative Addition of \ddot{E} -Bonds and \ddot{f} -Bonds to an Al(I) Center: The Second-Order Carbene Property of the AlNacNac Compound. <i>Inorganic Chemistry</i> , 2016, 55, 10947-10954.	1.9	18
30	Bridged Imidazolium Salts Used as Precursors for Chelating Carbene Complexes of Palladium in the Mizoroki-Heck Reaction. <i>Synlett</i> , 2006, 2006, 2894-2907.	1.0	14
31	Reaction of cyanamide and their derivatives with $(\ddot{I}-C_5H_5)Mn(CO)_3$ and $(\ddot{I}-C_5H_4CH_3)Mn(CO)_3$. <i>Inorganica Chimica Acta</i> , 2006, 359, 4885-4890.	1.2	11
32	On the acceptor properties of a Al-Nacnac carbene analogue, a density functional investigation. <i>Journal of Organometallic Chemistry</i> , 2013, 744, 172-177.	0.8	11
33	Oxovanadium(IV) complexes as molecular catalysts in epoxidation: Simple access to pyridylalkoxide derivatives. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2291-2296.	0.8	9
34	White Phosphorus Degradation with a NacNac Aluminum Carbene Analogue: The Biradical Reaction Mechanism. <i>Inorganic Chemistry</i> , 2014, 53, 4840-4846.	1.9	9
35	Catalyst deactivation through –Oxo-assembling–. <i>Journal of Organometallic Chemistry</i> , 2016, 810, 46-50.	0.8	8
36	Efficacy of 1,3-butanediol for enhancement of neonatal pig survival. <i>Animal Reproduction Science</i> , 2014, 148, 145-152.	0.5	4

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37	Solid-state and Calculated Electronic Structure of 4-Acetylpyrazole. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 839-843.	0.3	2
38	Synthesis of ferrocenyl aryl ethers <i>via</i> Cu(I)/phosphine catalyst systems. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2015, 70, 65-70.	0.3	2
39	Crystal and Molecular Structure of 3-(N-Methoxy-N-methylcarbamoyl)-2,2,5,5-tetramethyl-1-oxy-pyrroline. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 475-478.	0.3	1
40	Titelbild: Bond Activation with an Apparently Benign Ethynyl Dithiocarbamate $Ar\text{-}C\equiv C\text{-}1/2C\equiv C\text{-}Si\text{-}C(S)NR_2$ (Angew. Chem. 42/2011). Angewandte Chemie, 2011, 123, 9933-9933.	1.6	1
41	Cover Picture: Bond Activation with an Apparently Benign Ethynyl Dithiocarbamate $Ar\text{-}C\equiv C\text{-}1/2C\equiv C\text{-}Si\text{-}C(S)NR_2$ (Angew. Chem. Int. Ed. 42/2011). Angewandte Chemie - International Edition, 2011, 50, 29759-29759.	0	0
42	Synthesis and Solid-state Structure of 2,2,2- \hat{E}^1 ,2- \hat{E}^1 -(Tetrahydroxymethyl)-dibutylether (Di-TMP), an Environmentally Benign Polymer Crosslinker and High-potential Additive for Lubricants. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2012, 67, 181-184.	0.3	0