

Heinz Gornitzka

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,408
citations

279798

23
h-index

330143

37
g-index

48
all docs

48
docs citations

48
times ranked

1376
citing authors

#	ARTICLE	IF	CITATIONS
1	A Stable P-Heterocyclic Carbene. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1700-1703.	13.8	152
2	Synthesis, structures, and antimalarial activities of some silver(I), gold(I) and gold(III) complexes involving N-heterocyclic carbene ligands. <i>European Journal of Medicinal Chemistry</i> , 2013, 60, 64-75.	5.5	82
3	Synthesis, Structures, and Biological Studies of Heterobimetallic Au(I)–Ru(II) Complexes Involving N-Heterocyclic Carbene-Based Multidentate Ligands. <i>Organometallics</i> , 2015, 34, 1046-1055.	2.3	73
4	On the Electronic Structure of (Phosphino)(silyl)carbenes: Single-Crystal X-ray Diffraction and ELF Analyses. <i>Journal of the American Chemical Society</i> , 2000, 122, 998-999.	13.7	68
5	Dimeric Gold Bis(carbene) Complexes by Transmetalation in Water. <i>Organometallics</i> , 2012, 31, 619-626.	2.3	65
6	Synthesis, characterization, and antileishmanial activities of gold(I) complexes involving quinoline functionalized N-heterocyclic carbenes. <i>European Journal of Medicinal Chemistry</i> , 2015, 94, 22-29.	5.5	55
7	Stereoselectivity and Stereospecificity of Cyclopropanation Reactions with Stable (Phosphanyl)(silyl)carbenes. <i>Journal of the American Chemical Society</i> , 2000, 122, 4464-4470.	13.7	54
8	Stable Optically Pure Phosphino(silyl)carbenes: Reagents for Highly Enantioselective Cyclopropanation Reactions. <i>Chemistry - A European Journal</i> , 2004, 10, 1982-1986.	3.3	49
9	Synthesis, characterization, and antileishmanial activity of neutral N-heterocyclic carbenes gold(I) complexes. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1635-1643.	5.5	49
10	Synthesis, structures, and selective toxicity to cancer cells of gold(I) complexes involving N-heterocyclic carbene ligands. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 87-94.	5.5	44
11	Pyrimidanes. <i>Journal of the American Chemical Society</i> , 2013, 135, 8794-8797.	13.7	41
12	Metallo-drug Profiling against SARS-CoV-2 Target Proteins Identifies Highly Potent Inhibitors of the S/Ace2 Interaction and the Papain-Like Protease PL ² . <i>Chemistry - A European Journal</i> , 2021, 27, 17928-17940.	3.3	41
13	The first stable 3,1-germaphosphaallene $\text{Tip}(\text{t-Bu})\text{Ge}^{\text{III}}\text{C}^{\text{I}}\text{PAr}$. <i>Journal of Organometallic Chemistry</i> , 2002, 643-644, 202-208.	1.8	39
14	Gold Sulfinyl Mesoionic Carbenes: Synthesis, Structure, and Catalytic Activity. <i>Organic Letters</i> , 2016, 18, 3570-3573.	4.6	38
15	Pharmacomodulation on Gold-NHC complexes for anticancer applications – is lipophilicity the key point?. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 320-332.	5.5	37
16	The First Asymmetric Cyclopropanation Reactions Involving a Stable Carbene. <i>Journal of Organic Chemistry</i> , 2001, 66, 8240-8242.	3.2	35
17	N-Functionalised heterocyclic dicarbene complexes of silver: Synthesis and structural studies. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 579-583.	1.8	30
18	Pentagermopyrimidane: Crystallizing the “Transition” State – Structure. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5654-5657.	13.8	27

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19	From Borapyramidane to Borole Dianion. <i>Journal of the American Chemical Society</i> , 2018, 140, 6053-6056.	13.7	27
20	An Artemisininâ€ˆDerivativeâ€ˆ“(NHC)Gold(I) Hybrid with Enhanced Cytotoxicity through Inhibition of NRF2 Transcriptional Activity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12062-12068.	13.8	27
21	Chiral Variation of a Hybrid Bis(carbene-amido) Ligand System. <i>Organometallics</i> , 2010, 29, 2868-2873.	2.3	24
22	Pyramidanes: The Covalent Form of the Ionic Compounds. <i>Organometallics</i> , 2016, 35, 346-356.	2.3	24
23	Cationic and Neutral λ^5 -Heterocyclic Carbene Gold(I) Complexes: Cytotoxicity, NCIâ€ˆ60 Screening, Cellular Uptake, Inhibition of Mammalian Thioredoxin Reductase, and Reactive Oxygen Species Formation. <i>ChemMedChem</i> , 2018, 13, 1218-1229.	3.2	24
24	Amideâ€ˆFunctionalized Bis(NHC) Systems: Anion Effect on Goldâ€ˆGold Interactions. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3892-3898.	2.0	23
25	A Cationic Phosphapyramidane. <i>Chemistry - A European Journal</i> , 2016, 22, 17585-17589.	3.3	22
26	Antiplasmodial activities of gold(I) complexes involving functionalized N-heterocyclic carbenes. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3075-3082.	3.0	21
27	1,3â€ˆDipole Behavior of Phosphagermaallene $\text{Tip}(\text{t-Bu})\text{Ge}\frac{1}{2}\text{C}\frac{1}{2}\text{PMe}_2^*$ Leading to a Phosphagermaheterocyclic Carbene. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8704-8707.	13.8	20
28	Dinuclear gold(I) and gold(III) complexes involving di(N-heterocyclic carbene) ligands â€ˆ Synthesis, characterization and DFT studies. <i>Journal of Organometallic Chemistry</i> , 2013, 745-746, 242-250.	1.8	20
29	Versatile Stereoselective Cycloadditions between Heterocumulenes and Phosphagermaallene $\text{Tip}(\text{t-Bu})\text{Ge}\frac{1}{2}\text{C}\frac{1}{2}\text{PMe}_2^*$: Experimental and Theoretical Investigations. <i>Chemistry - A European Journal</i> , 2011, 17, 12763-12772.	3.3	14
30	Desulfinylation of Ag(I) Sulfinyl Mesoionic Carbenes: Preparation of λ^5 -Unsubstituted Au(I)â€ˆ1,2,3-Triazole Carbene Complexes. <i>Organic Letters</i> , 2017, 19, 822-825.	4.6	14
31	Bis(stibahousene). <i>Journal of the American Chemical Society</i> , 2017, 139, 13897-13902.	13.7	13
32	Hybrid Gold(I) NHC-Artemether Complexes to Target Falciparum Malaria Parasites. <i>Molecules</i> , 2020, 25, 2817.	3.8	13
33	Electronic Properties and Reactivity of an Isolable Phosphagermaheterocyclic Carbene. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7607-7610.	13.8	12
34	Central (S) to Central (M=Ir, Rh) to Planar (Metallocene, M=Fe, Ru) Chirality Transfer Using Sulfoxideâ€ˆSubstituted Mesoionic Carbene Ligands: Synthesis of Bimetallic Planar Chiral Metallocenes. <i>Chemistry - A European Journal</i> , 2019, 25, 13344-13353.	3.3	12
35	Chiral Sulfur Functional Groups as Definers of the Chirality at theâ€ˆMetal in Ir and Rh Halfâ€ˆSandwich Complexes: A Combined CD/Xâ€ˆray Study. <i>Chemistry - A European Journal</i> , 2017, 23, 14523-14531.	3.3	11
36	Synthesis, Characterization, and Antileishmanial Activity of Neutral Gold(I) Complexes with N-heterocyclic Carbene Ligands Bearing Sulfur-Containing Side Arms. <i>Organometallics</i> , 2021, 40, 1466-1473.	2.3	8

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37	Chiral $\text{Cat}^{\text{Metal}}$ BODIPY-Based Iridium(III) Complexes: Synthesis and Luminescence Properties. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 4045-4053.	2.0	7
38	An Artemisinin Derivative (NHC)Gold(I) Hybrid with Enhanced Cytotoxicity through Inhibition of NRF2 Transcriptional Activity. <i>Angewandte Chemie</i> , 2020, 132, 12160-12166.	2.0	7
39	New silyl-substituted phosphalkenes $\text{Mes}^*\text{PC}(\text{Cl})\text{Si}(\text{Cl})\text{PhR}$, promising building blocks in silicon and phosphorus chemistry. <i>Journal of Organometallic Chemistry</i> , 2013, 724, 200-205.	1.8	6
40	Versatile Reactivity of Phosphagermaallene $\text{Tip}(\text{t-Bu})\text{Ge}=\text{C}=\text{PMes}^*$ with E^{\pm} -Ethylenic Esters. <i>Organometallics</i> , 2013, 32, 1085-1093.	2.3	5
41	1-Chloroalumole. <i>Organometallics</i> , 2022, 41, 467-471.	2.3	5
42	Comparison of reactivity of phosphagermaallene $\text{Tip}(\text{t-Bu})\text{Ge}=\text{CPMes}^*$ towards sulfur ylides. <i>Journal of Organometallic Chemistry</i> , 2014, 755, 120-124.	1.8	4
43	Shvo-Type Metal-Ligand Cooperative Catalysts: Tethered $\text{C}_5\text{-Oxocyclohexadienyl}$ Ruthenium Complexes. <i>Organometallics</i> , 2022, 41, 1391-1402.	2.3	3
44	(R)-BINOL-6,6'-bistriflone: Shortened synthesis, characterization, and enantioselective catalytic applications. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 6674.	2.4	1
45	β -Lactam and penicillin substituted mesoionic metal carbene complexes. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2651-2660.	2.8	1