

Antonio Zucca

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9299681/publications.pdf>

Version: 2024-02-01

86
papers

2,901
citations

126907

33
h-index

197818

49
g-index

88
all docs

88
docs citations

88
times ranked

2106
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactions of Gold(III) Oxo Complexes with Cyclic Alkenes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6892-6895.	13.8	127
2	Novel T-Shaped 14-Electron Platinum(II) Complexes Stabilized by One Agostic Interaction. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 105-109.	13.8	96
3	Activation of a C-H Bond in a Pyridine Ring. Reaction of 6-Substituted 2,2'-Bipyridines with Methyl and Phenyl Platinum(II) Derivatives: $\text{C(3)-Cyclometalation}$. <i>Organometallics</i> , 2003, 22, 4770-4777.	2.3	95
4	Synthesis and characterization of gold(III) adducts and cyclometallated derivatives with 2-substituted pyridines. Crystal structure of $[\text{Au}\{\text{NC}_5\text{H}_4(\text{CMe}_2\text{C}_6\text{H}_4)\text{-}2\}\text{Cl}_2]$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2865.	1.1	93
5	Synthesis of the First C-2 Cyclopalladated Derivatives of 1,3-Bis(2-pyridyl)benzene. Crystal Structures of $[\text{Hg}(\text{N-C-N})\text{Cl}]$, $[\text{Pd}(\text{N-C-N})\text{Cl}]$, and $[\text{Pd}_2(\text{N-C-N})_2(\text{I}^{1/4}\text{-OAc})_2][\text{Hg}_2\text{Cl}_6]$. Catalytic Activity in the Heck Reaction. <i>Organometallics</i> , 2005, 24, 53-61.	2.3	87
6	Synthesis and properties of gold alkene complexes. Crystal structure of $[\text{Au}(\text{bipyOxyl})(\text{I-}2\text{-CH}_2\text{CHPh})](\text{PF}_6)$ and DFT calculations on the model cation $[\text{Au}(\text{bipy})(\text{I-}2\text{-CH}_2\text{CH}_2)]^+$. <i>Dalton Transactions</i> , 2006, , 5703-5716.	3.3	87
7	Cyclometalation of 2,2'-Bipyridine. Mono- and Dinuclear C,N Platinum(II) Derivatives. <i>Organometallics</i> , 2009, 28, 2150-2159.	2.3	87
8	Synthesis and characterization of gold(III) adducts and cyclometallated derivatives with 6-benzyl- and 6-alkyl-2,2'-bipyridines. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 4217-4225.	1.1	86
9	Cyclopalladation of 6-Substituted-2,2'-bipyridines. Metalation of Unactivated Methyl Groups vs Aromatic C-H Activation. <i>Organometallics</i> , 2000, 19, 4295-4304.	2.3	74
10	Synthesis, Structural Characterization, Solution Behavior, and in Vitro Antiproliferative Properties of a Series of Gold Complexes with 2-(2'-Pyridyl)benzimidazole as Ligand: Comparisons of Gold(III) versus Gold(I) and Mononuclear versus Binuclear Derivatives. <i>Inorganic Chemistry</i> , 2012, 51, 3161-3171.	4.0	74
11	Multiple C-H Bond Activation. Threefold-Deprotonated 6-Phenyl-2,2'-bipyridine as a Bridging Ligand in Dinuclear Platinum(II) Derivatives. <i>Organometallics</i> , 2002, 21, 783-785.	2.3	73
12	The first pincer-aryl $[\text{M}(\text{NCN})]$ complexes $\{\text{M}=\text{Pd}(\text{II}); \text{Pt}(\text{II})\}$ with chiral pyridine donors: Synthesis and catalytic activity in C-C bond formation. <i>Inorganica Chimica Acta</i> , 2006, 359, 1879-1888.	2.4	63
13	Reaction of gold(III) oxo complexes with alkenes. Synthesis of unprecedented gold alkene complexes, $[\text{Au}(\text{N,N})(\text{alkene})][\text{PF}_6]$. Crystal structure of $[\text{Au}(\text{bipyip})(\text{I-}2\text{-CH}_2\text{CHPh})][\text{PF}_6]$ (bipyip=). <i>Inorganic Chemistry</i> , 2010, 49, 1078-1084.	2.3	58
14	Gold(III) derivatives with anionic oxygen ligands: mononuclear hydroxo, alkoxo and acetato complexes. Crystal structure of $[\text{Au}(\text{bpy})(\text{OMe})_2][\text{PF}_6]$. <i>Dalton Transactions RSC</i> , 2000, , 1261-1265.	2.3	58
15	Rollover Cyclometalation with 2-(2'-Pyridyl)quinoline. <i>Inorganic Chemistry</i> , 2013, 52, 7717-7731.	4.0	52
16	$\text{I}^{1/4}$ -Oxo and alkoxo complexes of gold(III) with 6-alkyl-2,2'-bipyridines. Synthesis, characterization and X-ray structures. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1735-1742.	1.1	50
17	Intramolecular C(sp ²)-H Bond Activation in 6,6'-Dimethoxy-2,2'-Bipyridine with Gold(III). Crystal and Molecular Structure of the First $\text{C(3)-Cyclometalated Derivative}$. <i>Organometallics</i> , 2010, 29, 1064-1066.	2.3	50
18	Rollover-Assisted C(sp ²)-C(sp ³) Bond Formation. <i>Chemistry - A European Journal</i> , 2014, 20, 5501-5510.	3.3	50

#	ARTICLE	IF	CITATIONS
19	Cytotoxic properties of a new organometallic platinum(<i>ii</i>) complex and its gold heterobimetallic derivatives. <i>Dalton Transactions</i> , 2016, 45, 579-590.	3.3	47
20	Dinuclear C,N,C Cyclometalated Platinum Derivatives with Bridging Delocalized Ligands. Fourfold Deprotonation of 6,6-Diphenyl-2,2-bipyridine, H ₄ L, Promoted by Pt(R) ₂ Fragments (R = Me, Ph). Crystal Structures of [Pt ₂ (L)(3,5-Me ₂ py) ₂] and {Pt ₂ (L)(dppe)} ₂ (dppe = 1,2-Bis(diphenylphosphino)ethane). X-ray Powder Diffraction of [Pt ₂ (L)(CO) ₂]. <i>Organometallics</i> , 2006, 25, 2253-2265.	2.3	43
21	Heterobimetallic Rollover Derivatives. <i>Organometallics</i> , 2012, 31, 2971-2977.	2.3	42
22	Dinuclear, Tricyclometalated Platinum(II) Derivatives ? Substitution Reactions and Reactivity of the Platinum?Carbon Bonds. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4484-4490.	2.0	41
23	Mesoionic Complexes of Platinum(II) Derived from Rollover-Cyclometalation: A Delicate Balance between PtC ₃ and PtC ₂ Bond Cleavage as a Result of Different Reaction Conditions. <i>Organometallics</i> , 2013, 32, 438-448.	2.3	41
24	Platinum(ii) N-heterocyclic carbene complexes: coordination and cyclometallation.. <i>Dalton Transactions</i> , 2010, 39, 7822.	3.3	39
25	Oxidative Addition of MeI to a Rollover Complex of Platinum(II): Isolation of the Kinetic Product. <i>Organometallics</i> , 2013, 32, 3371-3375.	2.3	39
26	Palladium(II) and platinum(II)-C(3)-substituted 2,2-bipyridines. <i>Chemistry of Heterocyclic Compounds</i> , 1999, 35, 992-1000.	1.2	38
27	Replacement of the chloride ligand in [Au(C,N,N)Cl][PF ₆] cyclometalated complexes by C, N, O and S donor anionic ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 2823-2831.	1.1	38
28	Unprecedented Behavior of 2,2':6',2''-terpyridine: Dinuclear Platinum(II) Derivatives with a New N ₃ C ₃ N ₃ Bridging Ligand. <i>Organometallics</i> , 2001, 20, 1148-1152.	2.3	38
29	Cyclometalated derivatives of platinum(II) derived from 6-(tert-butyl)-2,2-bipyridine (HL). Crystal and molecular structure of [Pt(L)Cl]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 777-781.	1.1	36
30	Platinum(II)-Cyclometalated Rollover-Complexes with a Chiral Pinene-Derived 2,2-Bipyridine. <i>Organometallics</i> , 2011, 30, 3064-3074.	2.3	36
31	N,C Rollover-Cyclometalated Platinum(II) Hydrides: Mono- and Polynuclear Derivatives. <i>Organometallics</i> , 2008, 27, 3415-3421.	2.3	35
32	Electronic and Steric Effects in Rollover C-H Bond Activation. <i>Organometallics</i> , 2015, 34, 817-828.	2.3	35
33	Metallation of Unactivated Methyl Groups of Platinum(II) Derivatives with 6-Alkyl-2,2-bipyridines. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 3336-3346.	2.0	33
34	Reactivity of 6-(2-tolyl)- and 6-(2,6-xylyl)-2,2-bipyridines with palladium(II) derivatives. Selective C(sp ³)-H vs. C(sp ²)-H activation. <i>Journal of Organometallic Chemistry</i> , 2003, 679, 1-9.	1.8	32
35	Synthesis and Characterization of Palladium(II) and Platinum(II) Adducts and Cyclometalated Complexes of 6,6-Dimethoxy-2,2-bipyridine: C(sp ³)-H and C(sp ²)-H Bond Activations. <i>Organometallics</i> , 2014, 33, 3414-3424.	2.3	30
36	Synthesis and electrochemical polymerisation of 3-functionalised terthiophenes. <i>Electrochimica Acta</i> , 2006, 51, 4859-4864.	5.2	28

#	ARTICLE	IF	CITATIONS
37	New Variations on the Theme of Gold(III) C ¹ N ² N Cyclometalated Complexes as Anticancer Agents: Synthesis and Biological Characterization. <i>Inorganic Chemistry</i> , 2018, 57, 14852-14865.	4.0	28
38	The first gold(III) dinuclear cyclometalated derivatives with a single oxo bridge. <i>Chemical Communications</i> , 1998, , 2397-2398.	4.1	27
39	Step by step palladium mediated syntheses of new 2-(pyridin-2-yl)-6-R-nicotinic acids and esters. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 256-259.	1.8	27
40	Assembly of symmetrical and unsymmetrical platinum(II) rollover complexes with bidentate phosphine ligands. <i>Dalton Transactions</i> , 2014, 43, 14806-14815.	3.3	27
41	Cyclometalated derivatives of palladium(II) and platinum(II) derived from 6-t-butyl-2,2'-bipyridine. <i>Journal of Organometallic Chemistry</i> , 1993, 450, C15-C16.	1.8	26
42	Gold(III) Adducts with Chiral Pyridinyl-Oxazolines. Synthesis, Reactivity of the Coordinated Ligands, and Structural Characterizations. <i>Organometallics</i> , 2009, 28, 7015-7024.	2.3	26
43	Cyclometalated derivatives of platinum(II) derived from 1,4-benzodiazepin-2-ones. Crystal and molecular structure of Pt(L)(HL)Cl(HL'→7-chloro-1,3-dihydro-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one,) <i>Tj Chimica Acta</i> , 1994, 215, 17-26.	1.0	25
44	Physicochemical, antioxidant, DNA cleaving properties and antimicrobial activity of fisetin-copper chelates. <i>Journal of Inorganic Biochemistry</i> , 2018, 180, 101-118.	3.5	25
45	Synthesis and Characterization of Mononuclear Amidogold(III) Complexes ~ Crystal Structure of		

#	ARTICLE	IF	CITATIONS
55	[Au(py b -H)(mnt)]: A novel gold(III) 1,2-dithiolene cyclometalated complex with antimicrobial activity (py b -H = C-deprotonated 2-benzylpyridine; mnt = 1,2-dicyanoethene-1,2-dithiolate). Journal of Inorganic Biochemistry, 2017, 170, 188-194.	3.5	21
56	Synthesis and characterization of square-planar palladium(II), platinum(II) and rhodium(I) complexes with a chiral pyridylphosphine hybrid ligand. Journal of the Chemical Society Dalton Transactions, 1996, , 1295.	1.1	19
57	Gold(III) adducts of 2-vinyl- and 2-ethylpyridine and cyclometallated derivatives of 2-vinylpyridine: Crystal structure of the cyclometallated derivative [Au(k ² -C,N-CH ₂ CH(Cl)-C ₅ H ₄ N)(PPh ₃)Cl][PF ₆]. Journal of Organometallic Chemistry, 2009, 694, 2949-2955.	1.8	19
58	Cyclometalated Complexes of Platinum(II) with 2-vinylpyridine. European Journal of Inorganic Chemistry, 2014, 2014, 2278-2287.	2.0	19
59	Rollover Cyclometalation as a Valuable Tool for Regioselective C-H Bond Activation and Functionalization. Molecules, 2021, 26, 328.	3.8	19
60	Homoleptic Ru(II) complex with terpyridine ligands appended with terthiophene moieties: Synthesis, characterization and electropolymerization. Polyhedron, 2013, 49, 24-28.	2.2	18
61	Electropolymerization of a Ru(II)-terpyridine complex ethynyl-terthiophene functionalized originating different metallopolymers. Polymer, 2013, 54, 3504-3509.	3.8	18
62	Neutral and Cationic Methyl Complexes of Platinum(II) with 6-Substituted 2,2'-Bipyridines: Synthesis, Characterisation and Reactivity with Carbon Monoxide - Molecular Structures of [PtCl(methyl)(6-ethyl-2,2'-bipyridine)] and of [Pt(methyl)(acetonitrile)(6-ethyl-2,2'-bipyridine)][BF ₄]. European Journal of Inorganic Chemistry, 2000, 2000, 2555-2563.	2.0	17
63	Ru ²⁺ complexes comprising terpyridine ligands appended with terthiophene chromophores: energy transfer and energy reservoir effect. Chemical Communications, 2011, 47, 3413.	4.1	17
64	Platinum(II), palladium(II) and gold(III) adducts and cyclometalated derivatives of 6-methoxy-2,2'-bipyridine: A comparative study. Journal of Organometallic Chemistry, 2016, 819, 76-86.	1.8	17
65	Effect of 5-Me substituent(s) on the catalytic activity of palladium(II) 2,2'-bipyridine complexes in CO/4-tert-butylstyrene copolymerization. Journal of Organometallic Chemistry, 2004, 689, 1521-1529.	1.8	16
66	Gold(III) derivatives with C(4)-aurated 1-phenylpyrazole. Journal of Organometallic Chemistry, 1998, 568, 225-232.	1.8	15
67	Reactivity of Ph ₂ P(O)py-2 with Platinum(II) Alkyl Derivatives - Building-up of a Chiral Phosphorus Atom through C,N-Cyclometallation. European Journal of Inorganic Chemistry, 2002, 2002, 431-438.	2.0	15
68	A new terpyridine tethered polythiophene: Electrosynthesis and characterization. Journal of Polymer Science Part A, 2011, 49, 3513-3523.	2.3	15
69	Palladium(II) and platinum(II) derivatives with N,O ligands. Journal of the Chemical Society Dalton Transactions, 1998, , 4119-4126.	1.1	14
70	Synthesis and Molecular Structure of [Pd{CH ₂ CH ₂ C(O)Me}(HL)][BAR ₄] (HL = 6-Me-2,2'-bipyridine, Ar =) Tj ETQq0 0 0 rgBT /Ov 4111-4113.	2.3	14
71	Application of a Thiadiazole-derivative in a Tyrosinase-based Amperometric Biosensor for Epinephrine Detection. Electroanalysis, 2021, 33, 1639-1645.	2.9	12
72	Chiral Complexes of Rh(I) Containing Binaphthalene-Core P,S-Heterobidentate Ligands - Synthesis, Characterization, and Catalytic Activity in Asymmetric Hydrogenation of α,β -Unsaturated Acids and Esters. European Journal of Inorganic Chemistry, 2003, 2003, 556-561.	2.0	11

#	ARTICLE	IF	CITATIONS
73	Cyclometalated Platinum(II) Hydrides with Nitrogen Ligands. <i>Organometallics</i> , 2007, 26, 5621-5626.	2.3	11
74	Position Impact of Hydroxy Groups on Spectral, Acid-Base Profiles and DNA Interactions of Several Monohydroxy Flavanones. <i>Molecules</i> , 2019, 24, 3049.	3.8	11
75	Gold(i) compounds with lansoprazole-type ligands: synthesis, characterization and anticancer properties in vitro. <i>MedChemComm</i> , 2014, 5, 1418-1422.	3.4	9
76	Chiral cyclometalation of 6-(1-phenylbenzyl)-2,2'-bipyridine. <i>Dalton Transactions</i> , 2015, 44, 18001-18011.	3.3	9
77	Structural, Theoretical and Spectroscopic Characterisation of a Series of Novel Gold(I)-Norbornene Complexes Supported by Phenanthrolines: Effects of the Supporting Ligand. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4784-4795.	2.0	8
78	Cyclometallated derivatives of rhodium(III). Activation of C(sp ³)-H vs. C(sp ²)-H bonds. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3431-3437.	1.1	7
79	First Example of Hydrogen Bonding to Platinum Hydride. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013, 227, 869-880.	2.8	6
80	C(3) aurred 1,4-benzodiazepin-2-ones. Synthesis and characterization. Crystal structure of (L)Au[P(C ₆ H ₄ CH ₃ -4) ₃] (HL=7-chloro-1,3-dihydro-1-methyl-5-phenyl-2H-1,4-benzodiazepin-2-one, DIAZEPAM). <i>Journal of Organometallic Chemistry</i> , 1998, 553, 405-415.	1.8	5
81	Electrochemical and spectroelectrochemical characterisation of poly(3-hydroxymethyl-2,5-terthiophene). <i>Synthetic Metals</i> , 2006, 156, 984-989.	3.9	5
82	Oligo-thiophene tethered 1,10-phenanthroline as N-chelating moiety. Electrochemical and optical characterization of the π -conjugated molecule and of the relevant conducting polymer and metallopolymers. <i>Polymer</i> , 2015, 56, 123-130.	3.8	4
83	Synthesis and characterization of new Pd(κ^2) and Pt(κ^2) complexes with 3-substituted 1-(2-pyridyl)imidazo[1,5-a]pyridine ligands. <i>Dalton Transactions</i> , 2021, 50, 4859-4873.	3.3	4
84	Pt(II) Derivatives with Rollover-Coordinated 6-substituted 2,2'-bipyridines: Ligands with Multiple Personalities. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6665.	2.5	3
85	Ru(terpy)-Based Conducting Polymer in Electrochemical Biosensing of Epinephrine. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2065.	2.5	3
86	Chiral Complexes of RhI Containing Binaphthalene-Core P,S-Heterobidentate Ligands - Synthesis, Characterization, and Catalytic Activity in Asymmetric Hydrogenation of α,β -Unsaturated Acids and Esters.. <i>ChemInform</i> , 2003, 34, no.	0.0	0