

Christian Frech

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2675911/publications.pdf>

Version: 2024-02-01

36
papers

1,446
citations

257450

24
h-index

330143

37
g-index

49
all docs

49
docs citations

49
times ranked

1760
citing authors

#	ARTICLE	IF	CITATIONS
1	Mizoroki-Heck Cross-coupling Reactions Catalyzed by Dichloro{bis[1,1',1''-(phosphinetriyl)tripiperidine]}palladium Under Mild Reaction Conditions. Journal of Visualized Experiments, 2014, , .	0.3	0
2	Mizoroki-Heck reactions catalyzed by palladium dichloro-bis(aminophosphine) complexes under mild reaction conditions. The importance of ligand composition on the catalytic activity. Green Chemistry, 2013, 15, 1678.	9.0	22
3	Mizoroki-Heck Reactions Catalyzed by Dichloro{bis[1-(dicyclohexylphosphanyl)piperidine]}palladium: Palladium Nanoparticle Formation Promoted by (Water-Induced) Ligand Degradation. Advanced Synthesis and Catalysis, 2012, 354, 627-641.	4.3	26
4	Alkyne Hydrothiolation Catalyzed by a Dichlorobis(aminophosphine) Complex of Palladium: Selective Formation of <i>cis</i> -Configured Vinyl Thioethers. Chemistry - A European Journal, 2012, 18, 8901-8905.	3.3	56
5	Cyanation of Aryl Bromides with $K_4[Fe(CN)_6]$ Catalyzed by Dichloro{bis[1-(dicyclohexylphosphanyl)piperidine]}palladium, a Molecular Source of Nanoparticles, and the Reactions Involved in the Catalyst-Deactivation Processes. Chemistry - A European Journal, 2012, 18, 2978-2986.	3.3	45
6	Negishi cross-coupling reaction catalyzed by an aliphatic, phosphine based pincer complex of palladium. biaryl formation via cationic pincer-type PdIV intermediates. Dalton Transactions, 2011, 40, 8996.	3.3	30
7	Observation of Binuclear Palladium Clusters upon ESI-MS Monitoring of the Suzuki-Miyaura Cross-Coupling Catalyzed by a Dichloro-bis(aminophosphine) Complex of Palladium. Organometallics, 2011, 30, 3579-3587.	2.3	36
8	Access to 2-Aminopyridines - Compounds of Great Biological and Chemical Significance. Advanced Synthesis and Catalysis, 2011, 353, 945-954.	4.3	37
9	Hydrolysis of Ammonia Borane Catalyzed by Aminophosphine-Stabilized Precursors of Rhodium Nanoparticles: Ligand Effects and Solvent-Controlled Product Formation. Chemistry - A European Journal, 2011, 17, 4732-4736.	3.3	24
10	Negishi Cross-Coupling Reactions Catalyzed by an Aminophosphine-Based Nickel System: A Reliable and General Applicable Reaction Protocol for the High-Yielding Synthesis of Biaryls. Chemistry - A European Journal, 2011, 17, 11893-11904.	3.3	29
11	Reactions within Molecular Single Crystals of Inorganic and Organometallic Compounds: Recent Advances and Implications for Catalysis. ChemCatChem, 2010, 2, 1387-1389.	3.7	5
12	The 1,3-Diaminobenzene-Derived Aminophosphine Palladium Pincer Complex $\{C_6H_3[NHP(piperidinyl)_2]_2Pd(Cl)\}$ - A Highly Active Suzuki-Miyaura Catalyst with Excellent Functional Group Tolerance. Advanced Synthesis and Catalysis, 2010, 352, 1075-1080.	4.3	60
13	Pincer-Type Heck Catalysts and Mechanisms Based on Pd ^{IV} Intermediates: A Computational Study. Chemistry - A European Journal, 2010, 16, 1521-1531.	3.3	44
14	Facile Synthetic Access to Rhenium(II) Complexes: Activation of Carbon-Bromine Bonds by Single-Electron Transfer. Chemistry - A European Journal, 2010, 16, 2240-2249.	3.3	17
15	Dichloro-Bis(aminophosphine) Complexes of Palladium: Highly Convenient, Reliable and Extremely Active Suzuki-Miyaura Catalysts with Excellent Functional Group Tolerance. Chemistry - A European Journal, 2010, 16, 4075-4081.	3.3	62
16	P_3 and P_2 Palladium(II) Hydride Pincer Complexes: Small Structural Difference - Large Effect on Reactivity. Chemistry - A European Journal, 2010, 16, 6771-6775.	3.3	34
17	$[Pd(Cl)_2\{P(NC_5H_{10})(C_6H_{11})_2\}_2]$ - A Highly Effective and Extremely Versatile Palladium-Based Negishi Catalyst that Efficiently and Reliably Operates at Low Catalyst Loadings. Chemistry - A European Journal, 2010, 16, 11072-11081.	3.3	44
18	Water soluble phosphine rhenium complexes. Journal of Organometallic Chemistry, 2010, 695, 487-494.	1.8	11

#	ARTICLE	IF	CITATIONS
19	Aminophosphine Palladium Pincer Complexes for Suzuki and Heck Reactions. <i>Chimia</i> , 2009, 63, 23.	0.6	5
20	Highly Convenient, Clean, Fast, and Reliable Sonogashira Coupling Reactions Promoted by Aminophosphine-Based Pincer Complexes of Palladium Performed under Additive- and Amine-Free Reaction Conditions. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 891-902.	4.3	69
21	Highly Selective Dehydrogenative Silylation of Alkenes Catalyzed by Rhenium Complexes. <i>Chemistry - A European Journal</i> , 2009, 15, 2121-2128.	3.3	57
22	Transition metal-free amination of aryl halides—A simple and reliable method for the efficient and high-yielding synthesis of N-arylated amines. <i>Tetrahedron</i> , 2009, 65, 1180-1187.	1.9	56
23	Suzuki Cross-Coupling Reactions Catalyzed by an Aliphatic Phosphine-Based Pincer Complex of Palladium: Evidence for a Molecular Mechanism. <i>ChemCatChem</i> , 2009, 1, 393-400.	3.7	54
24	Development of Rhenium Catalysts for Amine Borane Dehydrocoupling and Transfer Hydrogenation of Olefins. <i>Organometallics</i> , 2009, 28, 5493-5504.	2.3	111
25	From Alkynes to Carbenes Mediated by [Re(Br)(H)(NO)(PR ₃) ₂] (R = Cy, iPr) Complexes. <i>Organometallics</i> , 2009, 28, 4670-4680.	2.3	24
26	Unsaturated Rh(I) and Rh(III) Naphthyl-Based PCP Complexes. Major Steric Effect on Reactivity. <i>Organometallics</i> , 2009, 28, 1900-1908.	2.3	29
27	Rationally Designed Pincer-Type Heck Catalysts Bearing Aminophosphine Substituents: Pd ^{IV} Intermediates and Palladium Nanoparticles. <i>Chemistry - A European Journal</i> , 2008, 14, 7969-7977.	3.3	82
28	Processes Involved in the Reduction of a Cyclometalated Palladium(II) Complex. <i>Organometallics</i> , 2008, 27, 894-899.	2.3	11
29	Methylene Transfer from SnMe Groups Mediated by a Rhodium(I) Pincer Complex: Sn–C, C–C, and C–H Bond Activation. <i>Chemistry - A European Journal</i> , 2007, 13, 7501-7509.	3.3	20
30	Short, Facile, and High-Yielding Synthesis of Extremely Efficient Pincer-Type Suzuki Catalysts Bearing Aminophosphine Substituents. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6514-6517.	13.8	93
31	Bis[2,6-bis(dipiperidin-1-ylphosphanyloxy)phenyl]bromidopalladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m3086-m3086.	0.2	1
32	Direct Observation of Reductive Elimination of Methyl Iodide from a Rhodium(III) Pincer Complex: The Importance of Sterics. <i>Journal of the American Chemical Society</i> , 2006, 128, 12434-12435.	13.7	91
33	Ligand controlled dioxygen oxidation of rhenium nitrosyl complexes. <i>Dalton Transactions</i> , 2006, , 4590.	3.3	19
34	Metal-Controlled Reactivity of a Pincer-type, η^2 -Coordinated Naphthyl Radical Anion. <i>Journal of the American Chemical Society</i> , 2006, 128, 7128-7129.	13.7	24
35	Unprecedented ROMP Activity of Low-Valent Rhenium-Nitrosyl Complexes: Mechanistic Evaluation of an Electrophilic Olefin Metathesis System. <i>Chemistry - A European Journal</i> , 2006, 12, 3325-3338.	3.3	35
36	Redox-Induced Collapse and Regeneration of a Pincer-Type Complex Framework: A Nonplanar Coordination Mode of Palladium(II). <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1709-1711.	13.8	61