

Alireza Ariafard

List of Publications by Year in descending order

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155
papers

5,244
citations

136740

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98622

67
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163
all docs

163
docs citations

163
times ranked

5878
citing authors

#	ARTICLE	IF	CITATIONS
1	Borane Catalyzed Selective Diazo Cross-Coupling Towards Pyrazoles. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 773-780.	2.1	10
2	Understanding the Influence of Donor-Acceptor Diazo Compounds on the Catalyst Efficiency of B(C ₆ F ₅) ₃ Towards Carbene Formation. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	11
3	A Rare Alder-Ene Cycloisomerization of 1,6-Allenynes. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	4
4	Lewis Acid Assisted Brønsted Acid Catalysed Decarbonylation of Isocyanates: A Combined DFT and Experimental Study. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	3
5	DFT characterisation of a Pd ^{II} π I ^{III} adduct, and a Pd ^{II} complex formed after oxidative alkenylation of Pd ^{II} by [Ph(alkenyl)I ^{III}] ⁺ , in Pd-mediated synthesis of benzofurans involving Pd ^{IV} , annulation and chain-walking. <i>Dalton Transactions</i> . 2022, 51, 9377-9384.	1.6	3
6	Chiral Gold Complex Catalyzed Cycloisomerization/Regio- and Enantioselective Nitroso-Diels-Alder Reaction of 1,6-Diyne Esters with Nitrosobenzenes. <i>ACS Catalysis</i> , 2022, 12, 7288-7299.	5.5	9
7	Gold-Catalyzed Annulation of 1,8-Dialkynyl naphthalenes: Synthesis and Photoelectric Properties of Indenophenalenone-Based Derivatives. <i>Chemistry - A European Journal</i> , 2021, 27, 3552-3559.	1.7	6
8	Copper-catalysed synthesis of α -alkylidene cyclic carbonates from propargylic alcohols and CO ₂ . <i>Green Chemistry</i> , 2021, 23, 889-897.	4.6	28
9	How a Bismuth(III) Catalyst Achieves Greatest Activation of Organic Lewis Bases in a Catalytic Reaction: Insights from DFT Calculations. <i>ChemCatChem</i> , 2021, 13, 975-980.	1.8	5
10	Computational Investigation into the Mechanistic Features of Bromide-Catalyzed Alcohol Oxidation by PhIO in Water. <i>Journal of Organic Chemistry</i> , 2021, 86, 2998-3007.	1.7	3
11	Catalytic role of amines in activation of PhICl ₂ from a computational point of view. <i>Chemical Communications</i> , 2021, 57, 9108-9111.	2.2	4
12	The role of hypervalent iodine(III) reagents in promoting alkoxylation of unactivated C(sp ³)-H bonds catalyzed by palladium(II) complexes. <i>Chemical Science</i> , 2021, 12, 7185-7195.	3.7	11
13	Site-Selective C _{sp³} -C _{sp} /C _{sp³} -C _{sp²} Cross-Coupling Reactions Using Frustrated Lewis Pairs. <i>Journal of the American Chemical Society</i> , 2021, 143, 4451-4464.	6.6	28
14	Hydroalkylation of Alkenes with 1,3-Diketones via Gold(III) or Silver(I) Catalysis: Divergent Mechanistic Pathways Revealed by a DFT-Based Investigation. <i>ACS Catalysis</i> , 2021, 11, 5795-5807.	5.5	6
15	Bidentate Nitrogen-Ligated I(V) Reagents, Bi(N)-HVLs: Preparation, Stability, Structure, and Reactivity. <i>Journal of Organic Chemistry</i> , 2021, 86, 6566-6576.	1.7	8
16	Computational Study of Intramolecular Coordination Enhanced Oxidative Addition to form PdIV-Pincer Complexes, and Selectivity in Aryloxy Attack at PdIVCH ₂ CRR ² Motifs in Palladium-Mediated Organic Synthesis. <i>Organometallics</i> , 2021, 40, 1262-1269.	1.1	3
17	Gold-Catalyzed [5,5]-Rearrangement. <i>ACS Catalysis</i> , 2021, 11, 6510-6518.	5.5	17
18	Copper(I)-catalysed site-selective C(sp ³)-H bond chlorination of ketones, (E)-enones and alkylbenzenes by dichloramine-T. <i>Nature Communications</i> , 2021, 12, 4065.	5.8	10

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19	Oxidation of Electron-Deficient Phenols Mediated by Hypervalent Iodine(V) Reagents: Fundamental Mechanistic Features Revealed by a Density Functional Theory-Based Investigation. <i>Journal of Organic Chemistry</i> , 2021, 86, 12237-12246.	1.7	6
20	Computational study of bridge-splitting, aryl halide oxidative addition to Pt(II), and reductive elimination from Pt(IV): a route to pincer-Pt(II) reagents with chemical and biological applications. <i>Chemistry - A European Journal</i> , 2021, 27, 15426-15433.	1.7	0
21	Tris(pentafluorophenyl)borane-Catalyzed Carbenium Ion Generation and Autocatalytic Pyrazole Synthesis—A Computational and Experimental Study. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24395-24399.	7.2	18
22	Photochemical Activation of a Hydroxyquinone-Derived Phenyliodonium Ylide by Visible Light: Synthetic and Mechanistic Investigations. <i>Journal of Organic Chemistry</i> , 2021, 86, 1758-1768.	1.7	4
23	Exploring Cyclization Strategies to Access Stemona Alkaloids: Subtle Effects Influencing Reactivity in Intramolecular Michael Additions. <i>Organic Letters</i> , 2021, 23, 8494-8498.	2.4	6
24	Acyl Migration versus Epoxidation in Gold Catalysis: Facile, Switchable, and Atom-Economic Synthesis of Acylindoles and Quinoline Derivatives. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 471-478.	7.2	99
25	DFT-Based Comparison between Mechanistic Aspects of Amine and Alcohol Oxidation Mediated by IBX. <i>Journal of Organic Chemistry</i> , 2020, 85, 515-525.	1.7	8
26	Gold Catalyzed Cyclopropanation/[5+3] Cycloaddition of 1,4,9- and 1,4,10-Allenynes to Bicyclo[3.3.1]nonane Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1084-1095.	2.1	19
27	Borane-Catalyzed Stereoselective C-H Insertion, Cyclopropanation, and Ring-Opening Reactions. <i>Chem</i> , 2020, 6, 2364-2381.	5.8	70
28	Computational Analysis of Mesomerism in <i>para</i> -Substituted <i>mer</i> -CN Pincer Platinum(II) Complexes, Including its Relationships with Hammett ρ Substituent Parameters. <i>Chemistry - A European Journal</i> , 2020, 26, 15629-15635.	1.7	6
29	How the combination of PhIO and I_2 provides a species responsible for conducting organic reactions through radical mechanisms. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8103-8108.	1.5	5
30	DFT studies of two-electron oxidation, photochemistry, and radical transfer between metal centres in the formation of platinum(IV) and palladium(IV) selenolates from diphenyldiselenide and metal(II) reactants. <i>Dalton Transactions</i> , 2020, 49, 13566-13572.	1.6	1
31	Triarylborane catalysed <i>N</i> -alkylation of amines with aryl esters. <i>Catalysis Science and Technology</i> , 2020, 10, 7523-7530.	2.1	8
32	Rhodium-catalysed tetrahydro-Diels-Alder reactions of enediynes <i>via</i> a rhodium-stabilized cyclic allene. <i>Chemical Science</i> , 2020, 11, 10945-10950.	3.7	4
33	Triarylboran-katalysierte Alkenylierungen von Arylestern mit Diazoverbindungen. <i>Angewandte Chemie</i> , 2020, 132, 15621-15626.	1.6	5
34	Triarylborane-Catalyzed Alkenylation Reactions of Aryl Esters with Diazo Compounds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15492-15496.	7.2	32
35	Iron Triflate Salts as Highly Active Catalysts for the Solvent-Free Oxidation of Cyclohexane. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3552-3559.	1.2	10
36	Mechanistic investigation into phenol oxidation by IBX elucidated by DFT calculations. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1117-1129.	1.5	18

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37	Catalytic Role of Lewis Acids in ArI ₂ -Mediated Oxidative Fluorination Reactions Revealed by DFT Calculations. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2251-2259.	1.2	5
38	Aryl ⁺ Fluoride Bond-Forming Reductive Elimination from Nickel(IV) Centers. <i>Journal of the American Chemical Society</i> , 2019, 141, 13261-13267.	6.6	37
39	Nickel(IV)-Catalyzed C-H Trifluoromethylation of (Hetero)arenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 12872-12879.	6.6	82
40	Gold-Catalyzed Regiospecific Annulation of Unsymmetrically Substituted 1,5-Diynes for the Precise Synthesis of Bispentalenes. <i>Chemistry - A European Journal</i> , 2019, 25, 12180-12186.	1.7	28
41	Accessing Chelating Extended Linker Bis(NHC) Palladium(II) Complexes: Sterically Triggered Divergent Reaction Pathways. <i>Organometallics</i> , 2019, 38, 3032-3038.	1.1	6
42	A Modified Cationic Mechanism for PdCl ₂ -Catalyzed Transformation of a Homoallylic Alcohol to an Allyl Ether. <i>Organometallics</i> , 2019, 38, 2953-2962.	1.1	10
43	Phosphine-Scavenging Cationic Gold(I) Complexes: Alternative Applications of Gold Cocatalysis in Fundamental Palladium-Catalyzed Cross-Couplings. <i>Organometallics</i> , 2019, 38, 2683-2688.	1.1	3
44	DFT Mechanistic Investigation into BF ₃ -Catalyzed Alcohol Oxidation by a Hypervalent Iodine(III) Compound. <i>ACS Catalysis</i> , 2019, 9, 6510-6521.	5.5	22
45	Rationale for the reactivity differences between main group and d ⁰ transition metal complexes toward olefin polymerisation. <i>Dalton Transactions</i> , 2019, 48, 6997-7005.	1.6	2
46	Revisiting the mechanism of acetylenic amine N-Oxide rearrangement catalysed by Gold(I) complexes from a DFT perspective. <i>Journal of Organometallic Chemistry</i> , 2019, 889, 45-52.	0.8	1
47	DFT mechanistic investigation into phenol dearomatization mediated by an iodine(III) reagent. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3521-3528.	1.5	29
48	Formation and reactions of the 1, 8-naphthyridine (napy) ligated geminally dimetallated phenyl complexes [(napy)Cu ₂ (Ph)] ⁺ , [(napy)Ag ₂ (Ph)] ⁺ and [(napy)CuAg(Ph)] ⁺ . <i>European Journal of Mass Spectrometry</i> , 2019, 25, 30-43.	0.5	1
49	Proton supplier role of binuclear gold complexes in promoting hydrofunctionalisation of nonactivated alkenes. <i>Catalysis Science and Technology</i> , 2019, 9, 1420-1426.	2.1	11
50	Nickel(II/IV) Manifold Enables Room-Temperature C(sp ³) ⁺ -H Functionalization. <i>Journal of the American Chemical Society</i> , 2019, 141, 19513-19520.	6.6	25
51	Disclosure of Some Obscure Mechanistic Aspects of the Copper-Catalyzed Click Reactions Involving N ₂ Elimination Promoted by the Use of Electron-Deficient Azides from a DFT Perspective. <i>Organometallics</i> , 2019, 38, 256-267.	1.1	10
52	Synthesis of Amidines by Palladium-Mediated CO ₂ Extrusion Followed by Insertion of Carbodiimides: Translating Mechanistic Studies to Develop a One-Pot Method. <i>Organometallics</i> , 2019, 38, 424-435.	1.1	16
53	Mechanistic Elucidation of Gold(I)-Catalyzed Oxidation of a Propargylic Alcohol by a N-Oxide in the Presence of an Imine Using DFT Calculations. <i>Organometallics</i> , 2019, 38, 489-497.	1.1	9
54	Titelbild: Dual Gold-Catalyzed Cycloaromatization of Unconjugated (E)-Enediynes (Angew. Chem.)	1.6	10

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55	Dual Gold-Catalyzed Cycloaromatization of Unconjugated (<i>E</i>)-Enediyne. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2114-2119.	7.2	28
56	Dual Gold-Catalyzed Cycloaromatization of Unconjugated (<i>E</i>)-Enediyne. <i>Angewandte Chemie</i> , 2019, 131, 2136-2141.	1.6	7
57	A Computational Mechanistic Investigation into Reduction of Gold(III) Complexes by Amino Acid Glycine: A New Variant for Amine Oxidation. <i>Chemistry - A European Journal</i> , 2018, 24, 8361-8368.	1.7	14
58	Chiral Brønsted Acid Catalyzed Enantioselective Dehydrative Nazarov-Type Electrocyclization of Aryl and 2-Thienyl Vinyl Alcohols. <i>Journal of the American Chemical Society</i> , 2018, 140, 5834-5841.	6.6	33
59	Nazarov cyclisations initiated by DDQ-oxidised pentadienyl ether: a mechanistic investigation from the DFT perspective. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 9021-9029.	1.5	6
60	Different Selectivities in the Insertions into C(sp ²)-H Bonds: Benzofulvenes by Dual Gold Catalysis Competition Experiments. <i>Chemistry - A European Journal</i> , 2018, 24, 10766-10772.	1.7	18
61	DFT studies of isomerization in palladium(IV) chemistry and alkyl halide transfer from palladium(IV) to palladium(II). <i>Journal of Organometallic Chemistry</i> , 2018, 872, 110-113.	0.8	1
62	Reduction of a platinum(IV) prodrug model by sulfur containing biological reductants: computational mechanistic elucidation. <i>Chemical Communications</i> , 2018, 54, 10491-10494.	2.2	17
63	A one-pot route to thioamides discovered by gas-phase studies: palladium-mediated CO ₂ extrusion followed by insertion of isothiocyanates. <i>Chemical Communications</i> , 2017, 53, 3854-3857.	2.2	24
64	Computational study of C(sp ³)-O bond formation at a Pd ^{IV} centre. <i>Dalton Transactions</i> , 2017, 46, 3742-3748.	1.6	25
65	Gas-Phase Ion-Molecule Reactions of Copper Hydride Anions [CuH ₂] ⁻ and [Cu ₂ H ₃] ⁻ . <i>Inorganic Chemistry</i> , 2017, 56, 2387-2399.	1.9	32
66	Oxidatively Induced C-H Activation at High Valent Nickel. <i>Journal of the American Chemical Society</i> , 2017, 139, 6058-6061.	6.6	62
67	Phosphine-Scavenging Role of Gold(I) Complexes from Pd(P ^t Bu ₃) ₂ in the Bimetallic Catalysis of Carbostannylation of Alkynes. <i>Organometallics</i> , 2017, 36, 2014-2019.	1.1	5
68	Total Synthesis of (±)-Dihydroisobamol. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 866-874.	2.1	19
69	A computational mechanistic investigation into the reduction of Pt(IV) prodrugs with two axial chlorides by biological reductants. <i>Chemical Communications</i> , 2017, 53, 1413-1416.	2.2	19
70	Experimental and Computational Studies of High-Valent Nickel and Palladium Complexes. <i>Organometallics</i> , 2017, 36, 4382-4393.	1.1	55
71	A transition-metal-free fast track to flavones and 3-arylcoumarins. <i>Chemical Communications</i> , 2017, 53, 10676-10679.	2.2	20
72	Gold-catalyzed domino cyclization-alkynylation reactions with EBX reagents: new insights into the reaction mechanism. <i>Dalton Transactions</i> , 2017, 46, 12257-12262.	1.6	25

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73	Computational study of selectivity in the [Pt ^{II} Cl ₄] ²⁻ -catalysed arylation of arenes by diaryliodonium reagents: arene activation at Pt ^{IV} centres. Dalton Transactions, 2017, 46, 15480-15486.	1.6	6
74	Substituent effects in the decarboxylation reactions of coordinated arylcarboxylates in dinuclear copper complexes, [(napy)Cu ₂ (O ₂ CC ₆ H ₄ X)] ⁺ . European Journal of Mass Spectrometry, 2017, 23, 351-358.	0.5	6
75	A Mechanistic Investigation of the Gold(III)-Catalyzed Hydrofurylation of C=C Multiple Bonds. Journal of the American Chemical Society, 2016, 138, 14599-14608.	6.6	22
76	The different roles of a cationic gold complex in catalysing hydroarylation of alkynes and alkenes with a heterocycle. Chemical Communications, 2016, 52, 9422-9425.	2.2	18
77	Theoretical rationalisation for the mechanism of N-heterocyclic carbene-halide reductive elimination at Cu ^{III} , Ag ^{III} and Au ^{III} . Chemical Communications, 2016, 52, 5057-5060.	2.2	10
78	Theoretical Investigation into the Mechanism of Cyanomethylation of Aldehydes Catalyzed by a Nickel Pincer Complex in the Absence of Base Additives. ACS Catalysis, 2016, 6, 60-68.	5.5	21
79	Sulfur Dioxide Activation: A Theoretical Investigation into Dual S=O Bond Cleavage by Three-Coordinate Molybdenum(III) Complexes. Inorganic Chemistry, 2015, 54, 534-543.	1.9	6
80	Īf-Alkenyl endo-palladacycle formation via regioselective functionalisation of an unreactive NHC-tethered C(sp ²)-H bond. Chemical Communications, 2015, 51, 5513-5515.	2.2	6
81	Mechanistic Elucidation of the Arylation of Non-Spectator <i>N</i> -Heterocyclic Carbenes at Copper Using a Combined Experimental and Computational Approach. Organometallics, 2015, 34, 3497-3507.	1.1	28
82	A Theoretical Study on the Protodeauration Step of the Gold(I)-Catalyzed Organic Reactions. Organometallics, 2015, 34, 3186-3195.	1.1	68
83	Prying open a Reactive Site for Allylic Arylation by Phosphine-Ligated Geminally Diaurated Aryl Complexes. Organometallics, 2015, 34, 3255-3263.	1.1	9
84	Computational Study of Intramolecular Arene Palladation at a Palladium(IV) Center. Organometallics, 2015, 34, 1085-1090.	1.1	23
85	Gas-Phase and Computational Study of Identical Nickel- and Palladium-Mediated Organic Transformations Where Mechanisms Proceeding via M ^{II} or M ^{IV} Oxidation States Are Determined by Ancillary Ligands. Journal of the American Chemical Society, 2015, 137, 13588-13593.	6.6	8
86	Synthesis, structure and gas-phase reactivity of the mixed silver hydride borohydride nanocluster [Ag ₃ (Ī ₄ ₃ -H)(Ī ₄ ₃ -BH ₄)L ₃ Ph ₃]BF ₄ . Journal of Organometallic Chemistry, 2015, 934, 27-34.	2.8	6
87	Experimental and computational evidence for KOt-Bu-promoted synthesis of oxopyrazino[1,2-a]indoles. RSC Advances, 2015, 5, 101353-101361.	1.7	19
88	Computational Mechanistic Study of Palladium(II)-Catalyzed Carboxyalkynylation of an Olefin Using an Iodine(III) Oxidant Reagent. Organometallics, 2014, 33, 7318-7324.	1.1	20
89	Highly Selective Liquid-Phase Oxidation of Cyclohexane to KA Oil over Ti-MWW Catalyst: Evidence of Formation of Oxyl Radicals. ACS Catalysis, 2014, 4, 53-62.	5.5	66
90	Decarboxylative-Coupling of Allyl Acetate Catalyzed by Group 10 Organometallics, [(phen)M(CH ₃)] ⁺ . Journal of Organic Chemistry, 2014, 79, 12056-12069.	1.7	24

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91	Mechanistic Insights into the Oxidative Coupling of π -Heterocyclic Carbenes within the Coordination Sphere of Copper Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 12729-12733.	1.7	14
92	NO ₂ bond cleavage by MoL ₃ complexes. <i>Dalton Transactions</i> , 2014, 43, 1620-1629.	1.6	3
93	Computational Study of Carbostannylation Implicating Bimetallic Catalysis Involving π -Au ^I -Vinyl π -Pd ^{II} -Species. <i>ACS Catalysis</i> , 2014, 4, 860-869.	5.5	9
94	A Density Functional Theory (DFT) Mechanistic Study of Gold(I)-Catalyzed Alkynylation of the Indole and Pyrrole Substrates, Using a Hypervalent Iodine Reagent. <i>ACS Catalysis</i> , 2014, 4, 2896-2907.	5.5	47
95	Theoretical Study of the Mechanism of CO and Acetylene Migratory Insertions into Pt π -Cp* Bonds. <i>Organometallics</i> , 2014, 33, 2384-2387.	1.1	2
96	Formation of Ethane from Mono-Methyl Palladium(II) Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 8237-8242.	6.6	35
97	Theoretical Study on the Ring-Opening Reactions of Cyclopropenes Mediated by a Au ^I Complex. <i>Journal of Organic Chemistry</i> , 2013, 78, 9553-9559.	1.7	21
98	Mechanism of Pd-Catalyzed Ar π -Ar Bond Formation Involving Ligand-Directed C π -H Arylation and Diaryliodonium Oxidants: Computational Studies of Orthopalladation at Binuclear Pd(II) Centers, Oxidation To Form Binuclear Palladium(III) Species, and Ar π -Ar Reductive Coupling. <i>Organometallics</i> , 2013, 32, 544-555.	1.1	52
99	Understanding the mechanism of CuI-catalyzed N π -H carboxylation of heterocyclic rings with CO ₂ from a theoretical point of view. <i>Journal of Organometallic Chemistry</i> , 2013, 748, 89-97.	0.8	7
100	Theoretical Investigation into the Mechanism of 3 π -dGMP Oxidation by [Pt ^{IV} Cl ₄]. <i>Inorganic Chemistry</i> , 2013, 52, 707-717.	1.9	31
101	Theoretical Investigation into the Mechanism of Ethylene Polymerization by a Cationic Dinuclear Aluminum Complex: A Longstanding Unresolved Issue. <i>Organometallics</i> , 2013, 32, 1687-1693.	1.1	9
102	Synthetic and computational studies of the palladium(IV) system Pd(alkyl)(aryl)(alkynyl)(bidentate)(triflate) exhibiting selectivity in C π -C reductive elimination. <i>Dalton Transactions</i> , 2012, 41, 11820.	1.6	19
103	Theoretical Investigation into the Palladium-Catalyzed Silaboration of Pyridines. <i>Organometallics</i> , 2012, 31, 1680-1687.	1.1	14
104	Oxo iron(IV) as an oxidative active intermediate of p-chlorophenol in the Fenton reaction: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 3766.	1.3	7
105	Density Functional Theory Studies on the Oxidation of 5 π -dGMP and 5 π -dAMP by a Platinum(IV) Complex. <i>Inorganic Chemistry</i> , 2012, 51, 8002-8013.	1.9	10
106	Connecting Binuclear Pd(III) and Mononuclear Pd(IV) Chemistry by Pd π -Pd Bond Cleavage. <i>Journal of the American Chemical Society</i> , 2012, 134, 12002-12009.	6.6	148
107	Theoretical Investigation into the Mechanism of Au(I)-Catalyzed Reaction of Alcohols with 1,5 Enynes. <i>Journal of the American Chemical Society</i> , 2012, 134, 16882-16890.	6.6	39
108	Tuning the Laplaza-Cummins 3-coordinate M[N(R)Ph] ₃ catalyst to activate and cleave CO ₂ . <i>Dalton Transactions</i> , 2011, 40, 5569.	1.6	12

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109	Titanium-mediated rearrangement of cyclopropenylmethyl acetates to (E)-halodienes. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3359.	1.5	10
110	Insight into the Mechanism of R^2R Reductive Elimination from the Six-Coordinate $d^{6/sup>6</sup>}$ Complexes $L_{2</sub>2</sub>Pt(R)_{4</sub>4</sub>}$ (R = vinyl, Me). <i>Organometallics</i> , 2011, 30, 422-432.	1.1	29
111	Assembly of Cyclometalated Platinum(II) Complexes via 1,1- λ^2 -Bis(diphenylphosphino)ferrocene Ligand: Kinetics and Mechanisms. <i>Organometallics</i> , 2011, 30, 1466-1477.	1.1	27
112	Theoretical Investigation into the Mechanism of Reductive Elimination from Bimetallic Palladium Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 6449-6457.	1.9	46
113	DFT Study on the Mechanism of the Activation and Cleavage of $CO_{2</sub>2</sub>}$ by (NHC)CuEPH $_{3</sub>3</sub>}$ (E = Si, Ge, Sn). <i>Organometallics</i> , 2011, 30, 1340-1349.	1.1	66
114	DFT Studies on the Carboxylation of the C-H Bond of Heteroarenes by Copper(I) Complexes. <i>Organometallics</i> , 2011, 30, 6218-6224.	1.1	38
115	Density functional studies of influences of Ni triad metals and solvents on oxidative addition of MeI to $[M(CH_3)_2(NH_3)_2]$ complexes and C-C reductive elimination from $[M(CH_3)_3(NH_3)_2]$ complexes. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3351-3358.	0.8	21
116	Scission of Carbon Monoxide Using $TaR_{3</sub>3</sub>}$, R=(N(<i>t</i> -Bu)Ph) or $OSi(t-Bu)_{3</sub>3</sub>}$: A DFT Investigation. <i>Chemistry - A European Journal</i> , 2010, 16, 8117-8132.	1.7	7
117	Factors Dictating Carbene Formation at (PNP)Ir. <i>Organometallics</i> , 2010, 29, 4239-4250.	1.1	16
118	Ligand Effects in Bimetallic High Oxidation State Palladium Systems. <i>Inorganic Chemistry</i> , 2010, 49, 11249-11253.	1.9	37
119	Density Functional Theory Study on the Mechanism of the Reductive Cleavage of $CO_{2</sub>2</sub>}$ by a Bis- λ^2 -Diketoiminatdiiron Dinitrogen Complex. <i>Inorganic Chemistry</i> , 2010, 49, 7773-7782.	1.9	22
120	Experimental and Theoretical Investigation into the Gold-Catalyzed Reactivity of Cyclopropenylmethyl Acetates. <i>Organic Letters</i> , 2010, 12, 4768-4771.	2.4	43
121	In-depth insight into the electronic and steric effects of phosphine ligands on the mechanism of the R^2R reductive elimination from $(PR_3)_2PdR_2$. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2075-2084.	0.8	37
122	Mechanistic Studies of Ligand Fluxionality in $[M(\eta^5-Cp)(\eta^1-Cp)(L)_2]_n$. <i>Journal of Physical Chemistry A</i> , 2009, 113, 2982-2989.	1.1	8
123	Cleavage of Carbon Dioxide by an Iridium-Supported Fischer Carbene. A DFT Investigation. <i>Journal of the American Chemical Society</i> , 2009, 131, 5800-5808.	6.6	43
124	Subtle Balance of Ligand Steric Effects in Stille Transmetalation. <i>Journal of the American Chemical Society</i> , 2009, 131, 13981-13991.	6.6	76
125	Reactivity of CO_2 towards $Mo[N(R)Ph]_3$. <i>Dalton Transactions</i> , 2009, , 9266.	1.6	13
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#	ARTICLE	IF	CITATIONS
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