Xinhao Zhang

List of Publications by Year
in descending order

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125 papers	5,348 citations	76326 40 h-index	102487 66 g-index
143 all docs	143 docs citations	143 times ranked	4564 citing authors

#	Article	IF	Citations
1	Sulfonium Triggered Alkyneâ€“Azide Click Cycloaddition. Organic Letters, 2022, 24, 1448-1453.	4.6	8
2	Asymmetric Arylation of Diazoesters with Anisoles Enabled by Cooperative Gold and Phosphoric Acid Catalysis. Organic Letters, 2022, 24, 2809-2814.	4.6	14
3	Rutheniumâ€Catalyzed Geminal Hydroborative Cyclization of Enynes. Angewandte Chemie - International Edition, 2022, 61, .	13.8	16
4	Iron-catalysed asymmetric carboazidation of styrenes. Nature Catalysis, 2021, 4, 28-35.	34.4	60
5	A Combined Computational and Experimental Study of Rh-Catalyzed Câ€“H Silylation with Silacyclobutanes: Insights Leading to a More Efficient Catalyst System. Journal of the American Chemical Society, 2021, 143, 3571-3582.	13.7	52
6	Chemoâ€•and Enantioselective Insertion of Furyl Carbene into the Nâ^'H Bond of 2â€Pyridones. Angewandte Chemie, 2021, 133, 17079-17083.	2.0	3
7	Chemoâ€•and Enantioselective Insertion of Furyl Carbene into the Nâ^'H Bond of 2â€Pyridones. Angewandte Chemie - International Edition, 2021, 60, 16942-16946.	13.8	32
8	Degradation of atrazine (ATZ) by ammonia/chlorine synergistic oxidation process. Chemical Engineering Journal, 2021, 415, 128841.	12.7	22
9	N-Heterocyclic Carbene-Catalyzed Four-Component Reaction: Chemoselective C_{radical}-C_{radical} Relay Coupling Involving the Homoenolate Intermediate. ACS Catalysis, 2021, 11, 10123-10130.	11.2	30
10	Precise Introduction of the â^'CH_nX_{3â€“n} (X = F, Cl, Br, I) Moiety to Target Molecules by a Radical Strategy: A Theoretical and Experimental Study. Journal of the American Chemical Society, 2021, 143, 13195-13204.	13.7	11
11	Construction of Câ^'C Axial Chirality via Asymmetric Carbene Insertion into Arene Câ^'H Bonds. Angewandte Chemie - International Edition, 2021, 60, 25714-25718.	13.8	23
12	An unusual formal migrative cycloaddition of aurone-derived azadienes: synthesis of benzofuran-fused nitrogen heterocycles. Chemical Science, 2021, 12, 7953-7957.	7.4	13
13	Copper(<scp>i</scp>)-catalyzed asymmetric intramolecular C-arylation with ureas as the additives: highly enantioselective formation of spirooxindoles. Organic and Biomolecular Chemistry, 2021, 19, 7480-7484.	2.8	0
14	Copper(<scp>i</scp>)â€“catalyzed intramolecular asymmetric C-arylation of acyclic Î²-ester amides: enantioselective formation of chiral oxindoles. Organic Chemistry Frontiers, 2021, 8, 4211-4216.	4.5	2
15	Systematic investigation of the aza-Cope reaction for fluorescence imaging of formaldehyde in vitro and in vivo. Chemical Science, 2021, 12, 13857-13869.	7.4	22
16	Asymmetric radical carboesterification of dienes. Nature Communications, 2021, 12, 6670.	12.8	24
17	Ligandâ€Controlled Câ^'O Bond Coupling of Carboxylic Acids and Aryl Iodides: Experimental and Computational Insights. Advanced Synthesis and Catalysis, 2020, 362, 126-132.	4.3	11
18	Copper-Catalyzed Enantioselective Radical 1,4-Difunctionalization of 1,3-Enynes. Journal of the American Chemical Society, 2020, 142, 18014-18021.	13.7	109

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19	Computational Study on the Fate of Oxidative Directing Groups in Ru(II), Rh(III), and Pd(II) Catalyzed Câ€“H Functionalization. Journal of Organic Chemistry, 2020, 85, 12594-12602.	3.2	8
20	Hybrid Palladium Catalyst Assembled from Chiral Phosphoric Acid and Thioamide for Enantioselective Î²â€C(sp 3)â^'H Arylation. Angewandte Chemie, 2020, 132, 12874-12878.	2.0	13
21	Diastereo- and Enantioselective Catalytic Radical Oxysulfonylation of Alkenes in Î²,Î³-Unsaturated Ketoximes. CheM, 2020, 6, 1692-1706.	11.7	55
22	Revealing the Iron-Catalyzed Î²-Methyl Scission of tert-Butoxyl Radicals via the Mechanistic Studies of Carboazidation of Alkenes. Molecules, 2020, 25, 1224.	3.8	10
23	Organocatalytic nitrogen transfer to unactivated olefins via transient oxaziridines. Nature Catalysis, 2020, 3, 386-392.	34.4	45
24	Hybrid Palladium Catalyst Assembled from Chiral Phosphoric Acid and Thioamide for Enantioselective Î²â€C(sp³)â^'H Arylation. Angewandte Chemie - International Edition, 2020, 59, 12774-12778.	13.8	39
25	Synthesis of ortho-Phenolic Sulfilimines via an Intermolecular Sulfur Atom Transfer Cascade Reaction. Organic Letters, 2020, 22, 3799-3803.	4.6	19
26	Mechanistic understanding of catalysis by combining mass spectrometry and computation. Chemical Communications, 2019, 55, 12749-12764.	4.1	25
27	Innentitelbild: Access to N-Substituted 2-Pyridones by Catalytic Intermolecular Dearomatization and 1,4-Acyl Transfer (Angew. Chem. 7/2019). Angewandte Chemie, 2019, 131, 1866-1866.	2.0	0
28	Ru-Catalyzed Migratory Geminal Semihydrogenation of Internal Alkynes to Terminal Olefins. Journal of the American Chemical Society, 2019, 141, 17441-17451.	13.7	38
29	Radical Reactivity, Catalysis, and Reaction Mechanism of Arylcopper(II) Compounds: The Missing Link in Organocopper Chemistry. Journal of the American Chemical Society, 2019, 141, 18341-18348.	13.7	24
30	Generation of Halomethyl Radicals by Halogen Atom Abstraction and Their Addition Reactions with Alkenes. Journal of the American Chemical Society, 2019, 141, 16643-16650.	13.7	91
31	InnenrÃ¼cktitelbild: Assembling a Hybrid Pd Catalyst from a Chiral Anionic Co^{III} Complex and Ligand for Asymmetric C(sp³)â€“H Functionalization (Angew. Chem. 6/2019). Angewandte Chemie, 2019, 131, 1863-1863.	2.0	0
32	Rhodium-Catalyzed Câ•N Bond Formation through a Rebound Hydrolysis Mechanism and Application in Î²-Lactam Synthesis. Organic Letters, 2019, 21, 4124-4127.	4.6	27
33	Facile difluoromethylation of aliphatic alcohols with an S-(difluoro-methyl)sulfonium salt: reaction, scope and mechanistic study. Chemical Communications, 2019, 55, 7446-7449.	4.1	24
34	Copper(I)-Catalyzed Intramolecular Asymmetric Double C-Arylation for the Formation of Chiral Spirocyclic Bis-oxindoles. Organic Letters, 2019, 21, 4505-4509.	4.6	15
35	Designing new Togni reagents by computation. Chemical Communications, 2019, 55, 5667-5670.	4.1	12
36	Synthesis of Benzofurans and Benzoxazoles through a [3,3]-Sigmatropic Rearrangement: Oâ€“NHAc as a Multitasking Functional Group. Organic Process Research and Development, 2019, 23, 1646-1653.	2.7	12

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37	Rh(II)/BrÃ¸nsted Acid Catalyzed General and Highly Diastereo- and Enantioselective Propargylation of in Situ Generated Oxonium Ylides and C-Alkynyl N-Boc N,O-Acetals: Synthesis of Polyfunctional Propargylamines. Organic Letters, 2019, 21, 1292-1296.	4.6	35
38	Assembling a Hybrid Pd Catalyst from a Chiral Anionic Co III Complex and Ligand for Asymmetric C(sp 3) Tj ETQq0 0 0 rgBT /Overlock 10	2.0	22
39	Interaction of peptide backbones and transition metal ions: 1. an IM-MS and DFT study of the binding pattern, structure and fragmentation of Pd(II)/Ni(II)-Polyalanine complexes. International Journal of Mass Spectrometry, 2019, 438, 87-96.	1.5	8
40	Enantioselective Addition of Cyclic Ketones to Unactivated Alkenes Enabled by Amine/Pd(II) Cooperative Catalysis. ACS Catalysis, 2019, 9, 791-797.	11.2	72
41	Assembling a Hybrid Pd Catalyst from a Chiral Anionic Co^{III} Complex and Ligand for Asymmetric C(sp³)â€“H Functionalization. Angewandte Chemie - International Edition, 2019, 58, 1803-1807.	13.8	73
42	Access to Nâ€Substituted 2â€Pyridones by Catalytic Intermolecular Dearomatization and 1,4â€Acyl Transfer. Angewandte Chemie, 2019, 131, 2002-2006.	2.0	12
43	Iron-catalyzed carboazidation of alkenes and alkynes. Nature Communications, 2019, 10, 122.	12.8	83
44	Copper-Catalyzed Radical 1,4-Difunctionalization of 1,3-Enynes with Alkyl Diacyl Peroxides and N-Fluorobenzenesulfonimide. Journal of the American Chemical Society, 2019, 141, 548-559.	13.7	162
45	Access to Nâ€Substituted 2â€Pyridones by Catalytic Intermolecular Dearomatization and 1,4â€Acyl Transfer. Angewandte Chemie - International Edition, 2019, 58, 1980-1984.	13.8	58
46	The reaction of alkyl hydropersulfides (RSSH, R = CH₃ and ^tBu) with H₂S in the gas phase and in aqueous solution. Physical Chemistry Chemical Physics, 2019, 21, 537-545.	2.8	4
47	Mechanistic Study on Cu(II)-Catalyzed Oxidative Cross-Coupling Reaction between Arenes and Boronic Acids under Aerobic Conditions. Journal of the American Chemical Society, 2018, 140, 5579-5587.	13.7	52
48	Computational exploration of reactive fragment for mechanism-based inhibition of xanthine oxidase. Journal of Organometallic Chemistry, 2018, 864, 58-67.	1.8	6
49	Streamlined asymmetric Î±-difunctionalization of ynones. Nature Communications, 2018, 9, 375.	12.8	20
50	Directing Effects on the Copper-Catalyzed Site-Selective Arylation of Indoles. Organic Letters, 2018, 20, 6502-6505.	4.6	26
51	Rhodiumâ€Catalyzed Regioselective N²â€Alkylation of Benzotriazoles with Diazo Compounds/Enynones via a Nonclassical Pathway. Angewandte Chemie, 2018, 130, 12669-12673.	2.0	12
52	Rhodiumâ€Catalyzed Regioselective N²â€Alkylation of Benzotriazoles with Diazo Compounds/Enynones via a Nonclassical Pathway. Angewandte Chemie - International Edition, 2018, 57, 12489-12493.	13.8	73
53	Enantioselective Synthesis of Chiral Oxygen-Containing Heterocycles Using Copper-Catalyzed Aryl Câ€“O Coupling Reactions via Asymmetric Desymmetrization. Journal of Organic Chemistry, 2017, 82, 1458-1463.	3.2	16
54	A Combined DFT/IM-MS Study on the Reaction Mechanism of Cationic Ru(II)-Catalyzed Hydroboration of Alkynes. ACS Catalysis, 2017, 7, 1361-1368.	11.2	56

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55	Diastereoselective Total Synthesis of (Â±)-Basiliolide B and (Â±)-epi-8-Basiliolide B. Journal of Organic Chemistry, 2017, 82, 3463-3481.	3.2	14
56	A bioinspired and biocompatible ortho-sulfiliminyl phenol synthesis. Nature Communications, 2017, 8, 15912.	12.8	54
57	Density Functional Theory Study of the Reaction between d0 Tungsten Alkylidyne Complexes and H2O: Addition versus Hydrolysis. Inorganic Chemistry, 2017, 56, 7111-7119.	4.0	8
58	Iron-Catalyzed Carboamination of Olefins: Synthesis of Amines and Disubstituted Î²-Amino Acids. Journal of the American Chemical Society, 2017, 139, 13076-13082.	13.7	131
59	Î³-Amino Butyric Acid (GABA) Synthesis Enabled by Copper-Catalyzed Carboamination of Alkenes. Organic Letters, 2017, 19, 4718-4721.	4.6	59
60	Iron(III)-Catalyzed Ortho-Preferred Radical Nucleophilic Alkylation of Electron-Deficient Arenes. Organic Letters, 2017, 19, 6538-6541.	4.6	21
61	A Twist of the Twist Mechanism, 2-Iodoxybenzoic Acid (IBX)-Mediated Oxidation of Alcohol Revisited: Theory and Experiment. Organic Letters, 2017, 19, 6502-6505.	4.6	35
62	Ligandâ€Assisted Palladium(II)/(IV) Oxidation for sp³ Cï£¿H Fluorination. Advanced Synthesis and Catalysis, 2016, 358, 1946-1957.	4.3	20
63	Ir-Catalyzed Regio- and Stereoselective Hydrosilylation of Internal Thioalkynes: A Combined Experimental and Computational Study. Journal of Organic Chemistry, 2016, 81, 6157-6164.	3.2	40
64	Metal-Free Synthesis of 3-Arylquinolin-2-ones from Acrylic Amides via a Highly Regioselective 1,2-Aryl Migration: An Experimental and Computational Study. Journal of Organic Chemistry, 2016, 81, 4058-4065.	3.2	35
65	Mechanistic Study on Pd/Mono-N-protected Amino Acid Catalyzed Vinylâ€“Vinyl Coupling Reactions: Reactivity and E/Z Selectivity. Organic Letters, 2016, 18, 5240-5243.	4.6	22
66	Front Cover Picture: Ligand-Assisted Palladium(II)/(IV) Oxidation forsp3Cï£¿H Fluorination (Adv. Synth.) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.3	0
67	Metalâ€Free [2+2+2] Cycloaddition of Ynamides and Nitriles: Mild and Regioselective Synthesis of Fully Substituted Pyridines. Angewandte Chemie, 2016, 128, 9856-9860.	2.0	26
68	Metalâ€Free [2+2+2] Cycloaddition of Ynamides and Nitriles: Mild and Regioselective Synthesis of Fully Substituted Pyridines. Angewandte Chemie - International Edition, 2016, 55, 9704-9708.	13.8	96
69	New Mechanistic Insights on the Selectivity of Transition-Metal-Catalyzed Organic Reactions: The Role of Computational Chemistry. Accounts of Chemical Research, 2016, 49, 1302-1310.	15.6	100
70	A diversity-oriented synthesis of bioactive benzanilides via a regioselective C(sp²)â€“H hydroxylation strategy. Chemical Science, 2016, 7, 2229-2238.	7.4	74
71	Why does Togni's reagent I exist in the high-energy hypervalent iodine form? Re-evaluation of benziodoxole based hypervalent iodine reagents. Chemical Communications, 2016, 52, 5371-5374.	4.1	50
72	A Combined IMâ€MS/DFT Study on [Pd(MPAA)]â€Catalyzed Enantioselective Cï£¿H Activation: Relay of Chirality through a Rigid Framework. Chemistry - A European Journal, 2015, 21, 11180-11188.	3.3	94

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73	Pd-Catalyzed Asymmetric Intramolecular Aryl Câ€“O Bond Formation with SDP(O) Ligand: Enantioselective Synthesis of (2,3-Dihydrobenzo[b][1,4]dioxin-2-yl)methanols. Organic Letters, 2015, 17, 840-843.	4.6	37
74	Computational Organic Chemistry: Bridging Theory and Experiment in Establishing the Mechanisms of Chemical Reactions. Journal of the American Chemical Society, 2015, 137, 1706-1725.	13.7	271
75	Highly Regioâ€•and Stereoselective Hydrosilylation of Internal Thioalkynes under Mild Conditions. Angewandte Chemie - International Edition, 2015, 54, 5632-5635.	13.8	77
76	Palladium-Catalyzed Meta-Selective Câ€“H Bond Activation with a Nitrile-Containing Template: Computational Study on Mechanism and Origins of Selectivity. Journal of the American Chemical Society, 2014, 136, 344-355.	13.7	317
77	Enantioselective Formation of Cyanoâ€Bearing Allâ€Carbon Quaternary Stereocenters: Desymmetrization by Copperâ€Catalyzed Nâ€Arylation. Angewandte Chemie - International Edition, 2014, 53, 9555-9559.	13.8	42
78	Palladium-catalyzed benzo[d]isoxazole synthesis by Câ€“H activation/[4 + 1] annulation. Chemical Science, 2014, 5, 1574-1578.	7.4	67
79	Mechanism, Reactivity, and Selectivity in Palladium-Catalyzed Redox-Relay Heck Arylations of Alkenyl Alcohols. Journal of the American Chemical Society, 2014, 136, 1960-1967.	13.7	187
80	Synthesis of Indolo[2,1-a]isoquinolines via a Triazene-Directed Câ€“H Annulation Cascade. Journal of Organic Chemistry, 2014, 79, 11863-11872.	3.2	87
81	Ligand-Controlled Reactivity, Selectivity, and Mechanism of Cationic Ruthenium-Catalyzed Hydrosilylations of Alkynes, Ketones, and Nitriles: A Theoretical Study. Journal of Organic Chemistry, 2014, 79, 8856-8864.	3.2	44
82	Role of N-Acyl Amino Acid Ligands in Pd(II)-Catalyzed Remote Câ€“H Activation of Tethered Arenes. Journal of the American Chemical Society, 2014, 136, 894-897.	13.7	263
83	Formal Syntheses of (Â±)-Platensimycin and (Â±)-Platencin via a Dual-Mode Lewis Acid Induced Cascade Cyclization Approach. Journal of Organic Chemistry, 2013, 78, 7912-7929.	3.2	33
84	Computational Studies on the Mechanism of the Copperâ€Catalyzed sp³â€ï£¿H Crossâ€Dehydrogenative Coupling Reaction. ChemPlusChem, 2013, 78, 943-951.	2.8	42
85	Ligand-Controlled Remarkable Regio- and Stereodivergence in Intermolecular Hydrosilylation of Internal Alkynes: Experimental and Theoretical Studies. Journal of the American Chemical Society, 2013, 135, 13835-13842.	13.7	135
86	Reactions of a tungsten alkylidyne complex with mono-dentate phosphines: Thermodynamic and theoretical studies. Polyhedron, 2013, 58, 30-38.	2.2	14
87	Structure and Chemistry of the Heteronuclear Oxo-Cluster [VPO₄]^{â€¢+}: A Model System for the Gas-Phase Oxidation of Small Hydrocarbons. Journal of the American Chemical Society, 2013, 135, 3711-3721.	13.7	66
88	Gasâ€Phase Reactions of Cationic Vanadiumâ€Phosphorus Oxide Clusters with C₂H_x (x=4, 6): A DFTâ€Based Analysis of Reactivity Patterns. Chemistry - A European Journal, 2013, 19, 3017-3028.	3.3	24
89	Total Synthesis of Incarvilleatone and Incarviditone: Insight into Their Biosynthetic Pathways and Structure Determination. Organic Letters, 2012, 14, 4878-4881.	4.6	46
90	Conjugate Addition vs Heck Reaction: A Theoretical Study on Competitive Coupling Catalyzed by Isoelectronic Metal (Pd(II) and Rh(I)). Journal of Organic Chemistry, 2012, 77, 7487-7496.	3.2	53

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91	Siliconâ€Containing Formal 4Ï€â€Electron Fourâ€Membered Ring Systems: Antiaromatic, Aromatic, or Nonaromatic?. Chemistry - A European Journal, 2012, 18, 7516-7524.	3.3	51
92	Theoretical studies on the mechanism and stereoselectivity of Rh(Phebox)-catalyzed asymmetric reductive aldol reaction. Organic and Biomolecular Chemistry, 2011, 9, 5845.	2.8	26
93	Bonding in cationic MOH n + (MÂ=ÂKÂâ^'ÂLa, HfÂâ^'ÂRn; nÂ=Â0â€“2): DFT performances and periodic trends. Theoretical Chemistry Accounts, 2011, 129, 389-399.	1.4	40
94	Thermal Activation of Nï£¿H Bonds by Transitionâ€metal Oxide Cations: Does a Hierarchy Exist in the First Row?. Chemistry - A European Journal, 2011, 17, 3886-3892.	3.3	15
95	Thermal Activation of Methane and Ethene by Bare MO^{.+} (M=Ge, Sn, and Pb): A Combined Theoretical/Experimental Study. Chemistry - A European Journal, 2011, 17, 9619-9625.	3.3	45
96	Thermal Activation of Methane by Diatomic Metal Oxide Radical Cations: PbO^{+â‹…} as One of the Missing Pieces. ChemCatChem, 2010, 2, 1391-1394.	3.7	30
97	Reactivity Pattern in the Roomâ€Temperature Activation of NH₃ by the Mainâ€Group Atomic Ions Ga⁺, Ge⁺, As⁺ and Se⁺. European Journal of Inorganic Chemistry, 2010, 2010, 1516-1521.	2.0	18
98	Generation of Gasâ€Phase Nanosized Vanadium Oxide Clusters from a Mononuclear Precursor by Solution Nucleation and Electrospray Ionization. Chemistry - A European Journal, 2010, 16, 1163-1167.	3.3	22
99	Bonding in Cationic MCH₂⁺ (M=Kâ€“La, Hfâ€“Rn): A Theoretical Study on Periodic Trends. Chemistry - A European Journal, 2010, 16, 5882-5888.	3.3	51
100	Conversion of Methane to Methanol: Nickel, Palladium, and Platinum (d⁹) Cations as Catalysts for the Oxidation of Methane by Ozone at Room Temperature. Chemistry - A European Journal, 2010, 16, 11605-11610.	3.3	89
101	N₂ Activation by a Hafnium Complex: A DFT Study on COâ€Assisted Dinitrogen Cleavage and Functionalization. Chemistry - A European Journal, 2010, 16, 12564-12569.	3.3	17
102	Isomerization of an N-Heterocyclic Germylene to an Azagermabenzen-1-ylidene and Its Coupling to a Unique Bis(germylene). Organometallics, 2010, 29, 5353-5357.	2.3	21
103	A DFTâ€Based Analysis of the Grossly Varying Reactivity Pattern in Roomâ€Temperature Activation and Dehydrogenation of CH₄ by Mainâ€Group Atomic M⁺ (M=Ga, Ge, As, and Se). Chemistry - A European Journal, 2009, 15, 11559-11565.	3.3	14
104	Isotopeâ€Sensitive Degenerate [1,3]â€Hydrogen Migration versus Competitive Enolâ€“Keto Tautomerization. Chemistry - A European Journal, 2009, 15, 11815-11819.	3.3	7
105	DFT Studies on the Thermal Activation of Molecular Oxygen by Bare [Ni(H)(OH)]⁺. Helvetica Chimica Acta, 2009, 92, 151-164.	1.6	11
106	Facile Dissociation of [(LNi^{II})₂E₂] Dichalcogenides: Evidence for [LNi^{II}E₂] Superselenides and Supertellurides in Solution. Angewandte Chemie - International Edition, 2009, 48, 4551-4554.	13.8	27
107	Reactivities of d0 transition metal complexes toward oxygen: Synthetic and mechanistic studies. Science in China Series B: Chemistry, 2009, 52, 1723-1733.	0.8	17
108	A Redox Non-Innocent Ligand Controls the Life Time of a Reactive Quartet Excited State - An MCSCF Study of [Ni(H)(OH)]+. Journal of the American Chemical Society, 2009, 131, 12634-12642.	13.7	36

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109	Gaseous Ni+ complexes with BINOL derivatives and chiral esters in the gas phase: an experimental and theoretical investigation. Collection of Czechoslovak Chemical Communications, 2009, 74, 255-273.	1.0	1
110	A DFT Study on the Mechanism of Hydrosilylation of Unsaturated Compounds with Neutral Hydrido(hydrosilylene)tungsten Complex. Journal of Organic Chemistry, 2008, 73, 820-829.	3.2	33
111	Unexpected Formation of (Dimethylaminomethylene)methylamide Complexes from the Reactions between Metal Chlorides and Lithium Dimethylamide. Organometallics, 2008, 27, 1338-1341.	2.3	27
112	Pyridyne radical cations produced by photodissociation of MgË™+(multifluoro-pyridine) complexes: A combined experimental and theoretical study. Physical Chemistry Chemical Physics, 2007, 9, 607-615.	2.8	2
113	Reaction of Ta(NMe₂)₅ with O₂:â€‰ Formation of Aminoxy and Unusual (Aminomethyl)amide Oxo Complexes and Theoretical Studies of the Mechanistic Pathways. Journal of the American Chemical Society, 2007, 129, 14408-14421.	13.7	41
114	Synthetic Study of 1,3-Butadiene-Based IMDA Approach to Construct a [5â^'7â^'6] Tricyclic Core and Its Application to the Total Synthesis of C8-epi-Guanacastepene O. Journal of Organic Chemistry, 2006, 71, 6892-6897.	3.2	42
115	Fluorine-substitution induced switching of dissociation patterns of C6H4Ë™+produced by photoelimination of MgF2from the complexes of MgË™+(multifluorobenzene). Physical Chemistry Chemical Physics, 2005, 7, 826-831.	2.8	5
116	A Theoretical Study on the Mechanism of the Reductive Half-Reaction of Xanthine Oxidase. Inorganic Chemistry, 2005, 44, 1466-1471.	4.0	40
117	A Tungsten Silyl Alkylidyne Complex and Its Bis(alkylidene) Tautomer. Their Interconversion and an Unusual Silyl Migration in Their Reaction with Dioxygen. Organometallics, 2005, 24, 1214-1224.	2.3	33
118	Reactions of d0 Group 4 Amides with Dioxygen. Preparation of Unusual Oxo Aminoxy Complexes and Theoretical Studies of Their Formation. Journal of the American Chemical Society, 2005, 127, 5204-5211.	13.7	39
119	Exploring an Expedient IMDA Reaction Approach to Construct the Guanacastepene Core. Organic Letters, 2005, 7, 3709-3712.	4.6	30
120	Effects of Aromatic Substitutions on the Photoreactions in Mgâ€¢+(C6HnF2X4-n) (X = F, CH3) Complexes:Â Formation and Decomposition of Benzyne Radical Cations. Journal of Physical Chemistry A, 2004, 108, 3356-3366.	2.5	8
121	An Unusual Exchange between Alkylidyne Alkyl and Bis(alkylidene) Tungsten Complexes Promoted by Phosphine Coordination:Â Kinetic, Thermodynamic, and Theoretical Studies. Journal of the American Chemical Society, 2004, 126, 10208-10209.	13.7	40
122	Accurate Calculation, Prediction, and Assignment of3He NMR Chemical Shifts of Helium-3-Encapsulated Fullerenes and Fullerene Derivatives. Journal of Organic Chemistry, 2003, 68, 6732-6738.	3.2	35
123	Unusual Chemistry of the Complex Mgâ€¢+(2-Fluoropyridine) Activated by the Photoexcitation of Mgâ€¢+. Journal of the American Chemical Society, 2003, 125, 12351-12357.	13.7	8
124	Construction of Câ€Ć Axial Chirality via Asymmetric Carbene Insertion into Arene Câ€Ħ Bonds. Angewandte Chemie, 0, , .	2.0	3
125	Rutheniumâ€Catalyzed Geminal Hydroborative Cyclization of Enynes. Angewandte Chemie, 0, , .	2.0	2