

Zhenfeng Xi

List of Publications by Year in descending order

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docs citations

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3545
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition-Metal-Catalyzed Cleavage of C–N Single Bonds. <i>Chemical Reviews</i> , 2015, 115, 12045-12090.	23.0	547
2	Metallacyclopentadienes: synthesis, structure and reactivity. <i>Chemical Society Reviews</i> , 2017, 46, 1160-1192.	18.7	134
3	Recent development of synthetic preparation methods for guanidines via transition metal catalysis. <i>Chemical Communications</i> , 2015, 51, 254-265.	2.2	124
4	1,4-Dithio-1,3-dienes: Reaction and Synthetic Applications. <i>Accounts of Chemical Research</i> , 2010, 43, 1342-1351.	7.6	123
5	Palladium-Catalyzed Synthesis of Benzosilolo[2,3- <i>b</i>]indoles via Cleavage of a C(sp ³)–Si Bond and Consequent Intramolecular C(sp ²)–Si Coupling. <i>Journal of the American Chemical Society</i> , 2011, 133, 9204-9207.	6.6	122
6	Direct transformation of dinitrogen: synthesis of N-containing organic compounds via N–C bond formation. <i>National Science Review</i> , 2020, 7, 1564-1583.	4.6	114
7	Unprecedented Double C–C Bond Cleavage of a Cyclopentadienyl Ligand. <i>Journal of the American Chemical Society</i> , 2003, 125, 9568-9569.	6.6	102
8	Cyclopentadiene–Phosphine/Palladium-Catalyzed Cleavage of C–N Bonds in Secondary Amines: Synthesis of Pyrrole and Indole Derivatives from Secondary Amines and Alkenyl or Aryl Dibromides. <i>Journal of the American Chemical Society</i> , 2012, 134, 20230-20233.	6.6	101
9	The aromatic dianion metalloles. <i>Chemical Science</i> , 2018, 9, 560-568.	3.7	100
10	Palladium-Catalyzed Intermolecular Coupling of σ -Silylaryl Bromides with Alkynes: Synthesis of Benzosiloles and Heteroarene-Fused Siloles by Catalytic Cleavage of the C(sp ³)–Si Bond. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1934-1937.	7.2	94
11	Roles of Bases in Transition-Metal Catalyzed Organic Reactions. <i>Acta Chimica Sinica</i> , 2013, 71, 13.	0.5	90
12	Dinitrogen Functionalization Affording Chromium Hydrazido Complex. <i>Journal of the American Chemical Society</i> , 2019, 141, 4241-4247.	6.6	88
13	Deoxygenative Cycloaddition of Aldehydes with Alkynes Mediated by AlCl ₃ and Zirconium: Formation of Cyclopentadiene Derivatives. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2950-2952.	7.2	87
14	Scandium-Promoted Direct Conversion of Dinitrogen into Hydrazine Derivatives via N–C Bond Formation. <i>Journal of the American Chemical Society</i> , 2019, 141, 8773-8777.	6.6	80
15	Spiro Metalla-aromatics of Pd, Pt, and Rh: Synthesis and Characterization. <i>Journal of the American Chemical Society</i> , 2017, 139, 5039-5042.	6.6	79
16	Carbodiimide-based synthesis of N-heterocycles: moving from two classical reactive sites to chemical bond breaking/forming reaction. <i>Chemical Society Reviews</i> , 2020, 49, 5810-5849.	18.7	76
17	Ln ₄ (CH ₂) ₄ Cubane-Type Rare-Earth Methylidene Complexes Consisting of σ (C ₅ Me ₄ SiMe ₃)LnCH ₂ Units (Ln = Tm, Yb). <i>Journal of the American Chemical Society</i> , 2017, 139, 7843-7849.	6.6	74
18	Aromatic Dicapra[10]annulenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 60-63.	6.6	74

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19	Dialkenylation of Carbonyl Groups by Alkenyllithium Compounds: Formation of Cyclopentadiene Derivatives by the Reaction of 1,4-Dithio-1,3-dienes with Ketones and Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1913-1916.	7.2	70
20	One-Pot Synthetic Routes to Multiply Substituted Indene Derivatives by Hydrolysis of Zirconocene-Mediated Intermolecular Coupling Reactions of Aromatic Ketones and Alkynes. <i>Journal of Organic Chemistry</i> , 2003, 68, 1252-1257.	1.7	70
21	Efficient One-Pot Synthesis of 2,3-Dihydropyrimidinethiones via Multicomponent Coupling of Terminal Alkynes, Elemental Sulfur, and Carbodiimides. <i>Journal of the American Chemical Society</i> , 2009, 131, 15108-15109.	6.6	70
22	Direct Synthesis of Phospholyl Lithium from White Phosphorus. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9187-9190.	7.2	67
23	Zirconocene and Si-Tethered Dienes: A Happy Match Directed toward Organometallic Chemistry and Organic Synthesis. <i>Accounts of Chemical Research</i> , 2011, 44, 541-551.	7.6	65
24	Regioselective Ring Expansion of 2,4-Diiminoazetidines via Cleavage of C=N and C(sp ³)-H Bonds: Efficient Construction of 2,3-Dihydropyrimidinesulfonamides. <i>Journal of the American Chemical Society</i> , 2012, 134, 2926-2929.	6.6	61
25	Dianions as Formal Oxidants: Synthesis and Characterization of Aromatic Dilithionickeloles from 1,4-Dithio-1,3-butadienes and [Ni(cod) ₂]. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5999-6002.	7.2	60
26	Procedure-Controlled Selective Synthesis of 5-Acyl-2-aminothiazolines and their Selenium and Tellurium Derivatives by Convergent Tandem Annulation. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8122-8126.	7.2	59
27	Organocopper(III) Spiro Complexes: Synthesis, Structural Characterization, and Redox Transformation. <i>Journal of the American Chemical Society</i> , 2017, 139, 13688-13691.	6.6	56
28	Efficient Synthesis of Cyclopentadienone Derivatives by the Reaction of Carbon Dioxide with 1,4-Dithio-1,3-dienes. <i>Journal of Organic Chemistry</i> , 2000, 65, 9157-9159.	1.7	54
29	Diverse Reactions of 1,4-Dithio-1,3-dienes with Nitriles: Facile Access to Tricyclic β -Pyrrolines, Multiply Substituted Pyridines, Siloles, and Z -Dienylsilanes by Tuning of Substituents on the Butadienyl Skeleton. <i>Chemistry - A European Journal</i> , 2008, 14, 5670-5679.	1.7	52
30	Magnesiacyclopentadienes as Alkaline-Earth Metallacyclopentadienes: Facile Synthesis, Structural Characterization, and Synthetic Application. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5634-5638.	7.2	52
31	Mechanistic Considerations of the Catalytic Guanylation Reaction of Amines with Carbodiimides for Guanidine Synthesis. <i>Organometallics</i> , 2015, 34, 1787-1801.	1.1	52
32	Intramolecular C-F and C-H bond cleavage promoted by butadienyl heavy Grignard reagents. <i>Nature Communications</i> , 2014, 5, 4508.	5.8	50
33	1,3-Butadienyl Dianions as Non-Innocent Ligands: Synthesis and Characterization of Aromatic Dilithio Rhodacycles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9986-9990.	7.2	49
34	Reaction Chemistry of 1,4-Dithio-1,3-diene and 1-Lithio-1,3-diene Derivatives. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 2773-2781.	1.2	47
35	Barium Dibenzopentalenide as a Main-Group Metal λ^8 Complex: Facile Synthesis from 1,4-Dithio-1,3-butadienes and Ba[N(SiMe ₃) ₂] ₂ , Structural Characterization, and Reaction Chemistry. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10822-10825.	7.2	47
36	Cleavage of C-Si bond by intramolecular nucleophilic attack: lithiation-promoted formation of siloles from 1-bromo-4-trisubstituted silyl-1,3-butadiene derivatives. <i>Tetrahedron Letters</i> , 2005, 46, 499-501.	0.7	46

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37	Novel [Ruthenium(substituted tetramethylcyclopentadiene) (2-quinolinecarboxylato)(allyl)] Hexafluorophosphate Complexes as Efficient Catalysts for Highly Regioselective Nucleophilic Substitution of Aliphatic Allylic Substrates. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1601-1609.	2.1	46
38	Palladium-Catalyzed One-Pot Three- or Four-Component Coupling of Aryl Iodides, Alkynes, and Amines through C–N Bond Cleavage: Efficient Synthesis of Indole Derivatives. <i>Chemistry - A European Journal</i> , 2014, 20, 2605-2612.	1.7	46
39	Reactions of Substituted (1,3-Butadiene-1,4-diyl)magnesium, 1,4-Bis(bromomagnesium)butadienes and 1,4-Dilithiobutadienes with Ketones, Aldehydes and PhNO To Yield Cyclopentadiene Derivatives and N-Ph Pyrroles by Cycloalkenylation. <i>Chemistry - A European Journal</i> , 2004, 10, 3444-3450.	1.7	43
40	2,6-Diazasemibullvalenes: Synthesis, Structural Characterization, Reaction Chemistry, and Theoretical Analysis. <i>Journal of the American Chemical Society</i> , 2012, 134, 11964-11967.	6.6	43
41	Metalla-aromatics: Planar, Nonplanar, and Spiro. <i>Accounts of Chemical Research</i> , 2021, 54, 2323-2333.	7.6	43
42	Half-Sandwich Complexes of Dy ^{III} : A Janus-Motif with Facile Tunability of Magnetism. <i>Inorganic Chemistry</i> , 2015, 54, 5162-5168.	1.9	42
43	Palladium-catalyzed silyl C(sp ³)–H bond activation. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1537.	1.5	41
44	The First Lutetacyclopentadienes: Synthesis, Structure, and Diversified Insertion/C–H Activation Reactivity. <i>Chemistry - A European Journal</i> , 2015, 21, 6686-6689.	1.7	41
45	Well-Defined Scandacyclopropenes: Synthesis, Structure, and Reactivity. <i>Journal of the American Chemical Society</i> , 2019, 141, 20547-20555.	6.6	40
46	Isolation, Structural Characterization, and Synthetic Application of Oxycyclopentadienyl Dianions. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8111-8114.	7.2	39
47	Isolation and X-ray Structure of a Trimeric 1,4-Dilithio-1,3-butadiene and a Dimeric Me ₃ Si-Substituted 1,4-Dilithio-1,3-butadiene. <i>Organometallics</i> , 2010, 29, 278-281.	1.1	39
48	Organocopper(III) Compounds with Well-Defined Structures Undergo Reductive Elimination to Form C–C or C–Heteroatom Bonds. <i>Chinese Journal of Chemistry</i> , 2018, 36, 1213-1221.	2.6	38
49	Preparation of Partially Substituted 1-Halo- and 1,4-Dihalo-1,3-dienes via Reagent-Controlled Desilylation of Halogenated 1,3-Dienes. <i>Journal of Organic Chemistry</i> , 2006, 71, 3154-3158.	1.7	37
50	Organometallic intermediate-based organic synthesis: organo-di-lithio reagents and beyond. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1132-1139.	2.3	37
51	Direct Functionalization of White Phosphorus to Cyclotetraphosphanes: Selective Formation of Four P–C Bonds. <i>Journal of the American Chemical Society</i> , 2019, 141, 6843-6847.	6.6	37
52	Synthesis of 1,1,4,4-Tetrabromo-2-butenes and Related Compounds via Desilylation–Bromination of Silylated 1,3-Butadiene Derivatives. <i>Journal of Organic Chemistry</i> , 2004, 69, 8547-8549.	1.7	35
53	A tris-spiro metalla-aromatic system featuring Craig–Möbius aromaticity. <i>Nature Communications</i> , 2021, 12, 1319.	5.8	35
54	Synthetic Methods for Multiply Substituted Butadiene-Containing Building Blocks. <i>Synlett</i> , 2008, 2008, 2557-2570.	1.0	34

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55	Iterative Dianion Relay Along the Ring: Formation of <i>gem</i> -Bis(trimethylsilyl) Cyclopentenones from 2,5-Bis(trimethylsilyl) Oxy-cyclopentadienyl Dianions and Acid Chlorides. <i>Chemistry - A European Journal</i> , 2011, 17, 7399-7403.	1.7	34
56	Cleavage of the C≡N Bond in Carbodiimides via Release of High Ring Strain: A New Strategy for the Selective Synthesis of 2-Aminoaryl Alkynyl Imines. <i>Chemistry - A European Journal</i> , 2014, 20, 2463-2468.	1.7	34
57	Tetralithio Metallaaromatics with Two Independent Perpendicular Dilithio Aromatic Rings Spiro-fused by One Manganese Atom. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9625-9631.	7.2	33
58	Palladium-catalyzed cleavage of the Me-Si bond in ortho-trimethylsilyl aryltriflates: synthesis of benzosilole derivatives from ortho-trimethylsilyl aryltriflates and alkynes. <i>RSC Advances</i> , 2013, 3, 14273.	1.7	32
59	Metal-free synthesis of cyclic di-oxoguanidines via one-pot sequential transformation of amines, carbodiimides and acyl dichlorides. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6266.	1.5	31
60	Dearomatizing Anionic Cyclization and Novel Skeletal Rearrangement: A High Yield Formation of Multiply Substituted Bicyclic or Polycyclic Spirocyclopentadienes and Phenanthrene Derivatives from 4-Aryl 1-Lithio-1,3-butadienes. <i>Journal of Organic Chemistry</i> , 2007, 72, 3484-3491.	1.7	30
61	Isolable and Well-Defined Butadienyl Organocopper(I) Aggregates: Facile Synthesis, Structural Characterization, and Reaction Chemistry. <i>Journal of the American Chemical Society</i> , 2014, 136, 610-613.	6.6	30
62	Aromatic Tetralithiodigalloses with a Ga-Ga Bond: Synthesis and Structural Characterization. <i>Organometallics</i> , 2017, 36, 2982-2986.	1.1	30
63	Preparation of Vinyl Allenes from 1-Lithio-1,3-dienyl Phosphine Oxides and Aldehydes by the Wittig-Horner Reaction. <i>Journal of Organic Chemistry</i> , 2005, 70, 8785-8789.	1.7	29
64	Semibullvalene and Diazasemibullvalene: Recent Advances in the Synthesis, Reaction Chemistry, and Synthetic Applications. <i>Accounts of Chemical Research</i> , 2015, 48, 1823-1831.	7.6	29
65	Formation and ligand-based reductive chemistry of bridged bis-alkylidene scandium(III) complexes. <i>Chemical Science</i> , 2017, 8, 6852-6856.	3.7	29
66	Cyclopentadiene-Phosphine/Palladium-Catalyzed Synthesis of Indolizines from Pyrrole and 1,4-Dibromo-1,3-butadienes. <i>Organic Letters</i> , 2015, 17, 5674-5677.	2.4	28
67	Synthesis of Quinoline Derivatives via Cu-Catalyzed Cascade Annulation of Heterocumulenes, Alkynes, and Diaryliodonium Salts. <i>Organic Letters</i> , 2017, 19, 2694-2697.	2.4	27
68	Insertion/Rearrangement Reactivity of a Lutetacyclopentadiene towards <i>N</i> , <i>N</i> -Diphenylcarbodiimide: Cooperative Effect of the Metal Center, Concentration of LiCl, and Solvent. <i>Chemistry - A European Journal</i> , 2015, 21, 15860-15866.	1.7	26
69	2-Butene Tetraanion Bridged Dinuclear Samarium(III) Complexes via Sm(II)-Mediated Reduction of Electron-Rich Olefins. <i>Journal of the American Chemical Society</i> , 2020, 142, 10705-10714.	6.6	25
70	Direct Transformation of N_2 to <i>N</i> -Containing Organic Compounds. <i>Acta Chimica Sinica</i> , 2017, 75, 733.	0.5	25
71	Lithium Aluminate Complexes and Alumes from 1,4-Dilithio-1,3-Butadienes and AlEt_2Cl . <i>Inorganic Chemistry</i> , 2015, 54, 10695-10700.	1.9	24
72	Synthesis and reactivity of asymmetric Cr(I) dinitrogen complexes supported by cyclopentadienylphosphine ligands. <i>Chemical Communications</i> , 2019, 55, 9641-9644.	2.2	24

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73	Magnesiacyclopentadienes as Alkaline-Earth Metallacyclopentadienes: Facile Synthesis, Structural Characterization, and Synthetic Application. <i>Angewandte Chemie</i> , 2014, 126, 5740-5744.	1.6	23
74	Mechanistic Study on the Cleavage and Reorganization of C(sp ³) ₂ H and C≡N Bonds in Carbodiimides: Synthesis of 1,2-Dihydrothiopyrimidines and 2,3-Dihydropyrimidinethiones through Four-Component Coupling. <i>Chemistry - A European Journal</i> , 2013, 19, 10643-10654.	1.7	22
75	Substituent-Controlled Selective Synthesis of N-Acyl 2-Aminothiazoles by Intramolecular Zwitterion-Mediated C–N Bond Cleavage. <i>Journal of Organic Chemistry</i> , 2014, 79, 11146-11154.	1.7	22
76	Coordination-induced skeletal rearrangements of zirconacyclobutene-silacyclobutene fused complexes. <i>Coordination Chemistry Reviews</i> , 2014, 270-271, 2-13.	9.5	22
77	Dinitrogen Activation of Cyclopentadienyl-Phosphine-Iron Complexes of Three Different Valences. <i>CCS Chemistry</i> , 2021, 3, 308-316.	4.6	22
78	Substituent-Dependent Selective Replacement of Alkyne Moieties of Zirconacyclopentadienes via C-C Bond Cleavage Reaction. <i>Chemistry Letters</i> , 1996, 25, 1003-1004.	0.7	21
79	Sandwich Lutetacyclopentadiene with the Coordination of Lithium to the Diene Unit: Synthesis, Structure, and Transformation. <i>Organometallics</i> , 2016, 35, 5-8.	1.1	21
80	Construction of Octaalkyl-Substituted and Decasubstituted <i>cis</i> -Octatetraenes via Linear Dimerization of 1,4-Dicopper-1,3-butadienes and Subsequent Cross-Coupling with Halides. <i>Organic Letters</i> , 2013, 15, 1222-1225.	2.4	20
81	Synthesis and Structural Characterization of Butadienylcalcium-based Heavy Grignard Reagents and a Ca ₄ [O] Inverse Crown Ether Complex. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9188-9192.	7.2	19
82	Diversified Aggregation States of Phospholyl Lithiums. <i>Organometallics</i> , 2018, 37, 2018-2022.	1.1	19
83	Indacyclopentadienes and Aromatic Indacyclopentadienyl Dianions: Synthesis and Characterization. <i>Chemistry - A European Journal</i> , 2019, 25, 4218-4224.	1.7	19
84	Generation of Copper(I) Complexes with a Tethered Olefin-Phosphine Ligand from CuCl-Mediated Reaction of Alkenylzirconocene with R ₂ PCl. <i>Organometallics</i> , 2001, 20, 2859-2863.	1.1	17
85	Formation of Lithio Siloles from Silylated 1,4-Dithio-1,3-Butadienes: Mechanism and Applications. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1120-1128.	1.7	17
86	Synthesis and Mechanistic Study of Cyclic Oxoguanidines via Zn(OTf) ₂ -Catalyzed Guanylation/Amidation from Readily Available Amino Acid Esters and Carbodiimides. <i>Chemistry - A European Journal</i> , 2015, 21, 10369-10378.	1.7	17
87	Synthesis of triarylmethanols via tandem arylation/oxidation of diarylmethanes. <i>Tetrahedron Letters</i> , 2015, 56, 3604-3607.	0.7	17
88	Combining Pd(Ī-allyl)Cp and PPh ₃ as a unique catalyst for efficient synthesis of alkylido indoles via C(sp ³)–I reductive elimination. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1080-1084.	2.3	17
89	Rhodium-catalyzed intramolecular carbosilylation of alkynes <i>via</i> C(sp ³)–Si bond cleavage. <i>Organic Chemistry Frontiers</i> , 2018, 5, 860-863.	2.3	17
90	Butadienyl Diiron Complexes: Nonplanar Metalla-Aromatics Involving Īf-Type Orbital Overlap. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19048-19053.	7.2	17

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91	A Convenient One-Pot Procedure to Arylcyclobutenes from Arylacetylenes. <i>Journal of Organic Chemistry</i> , 1999, 64, 8706-8708.	1.7	16
92	Alkenyl Magnesium Compounds: Generation and Synthetic Application. <i>Chemistry - A European Journal</i> , 2018, 24, 19122-19135.	1.7	16
93	Isolation and Characterization of Four Phosphorus Cluster Anions P_7^{3-} , P_{14}^{4-} , P_{16}^{2-} and P_{26}^{4-} from the Nucleophilic Functionalization of White Phosphorus with 1,4-Dithio-1,3-butadienes. <i>Chinese Journal of Chemistry</i> , 2019, 37, 71-75.	2.6	16
94	Direct conversion of N ₂ and O ₂ : status, challenge and perspective. <i>National Science Review</i> , 2022, 9, .	4.6	16
95	1-Lithio-1,3-dienes as useful building blocks in organic synthesis. <i>Pure and Applied Chemistry</i> , 2009, 81, 235-246.	0.9	15
96	Opening the silole ring: Efficient and specific cleavage of the endo-C(sp ²)-Si bond with AcOH/ROH system. <i>Chemical Science</i> , 2011, 2, 2271.	3.7	15
97	1,3-Butadienylzinc Trimer Formed via Transmetalation from 1,4-Dithio-1,3-butadienes: Synthesis, Structural Characterization, and Application in Negishi Cross-Coupling. <i>Organometallics</i> , 2012, 31, 5546-5550.	1.1	15
98	Oxidation of C-H bonds to C=O bonds by O ₂ only or N-oxides and DMSO: synthesis of β -1-bipyrrolinones and pyrrolino[3,2-b]pyrrolinones from 2,6-diazasemibullvalenes. <i>Chemical Communications</i> , 2013, 49, 6146.	2.2	14
99	Synthesis, Structural Characterization, and Reactivity of a Fluorene-Based Calcium Oxycyclopentadienide Complex. <i>Organometallics</i> , 2015, 34, 1339-1344.	1.1	14
100	Calcium-Mediated C-H and C-F Bond Cleavage: Synthesis of Indenes and Perfluorodibenzopentalenes from 1,4-Dithio-1,3-butadienes. <i>Organometallics</i> , 2016, 35, 1458-1463.	1.1	14
101	New Methods for the Preparation of Multiply Substituted Cyclopentadienes and Related Compounds. <i>Topics in Catalysis</i> , 2005, 35, 63-71.	1.3	13
102	A DFT Study on the Conversion of Aryl Iodides to Alkyl Iodides: Reductive Elimination of R-I from Alkylpalladium Iodide Complexes with Accessible β -Hydrogens. <i>Chemistry - A European Journal</i> , 2016, 22, 3422-3429.	1.7	13
103	Organo-di-Lithio Reagents: Cooperative Effect and Synthetic Applications. <i>Topics in Organometallic Chemistry</i> , 2013, , 1-41.	0.7	12
104	Synthesis of semibullvalene derivatives via Co ₂ (CO) ₈ -mediated cyclodimerization of 1,4-dithio-1,3-butadienes. <i>Organic Chemistry Frontiers</i> , 2014, 1, 130-134.	2.3	12
105	Formation of Cyclopenta[<i>i</i>]pyridine Derivatives from 2,5-Disubstituted Pyrroles and 1,4-Dibromo-1,3-butadienes via Pyrrole-Ring One-Carbon Expansion. <i>Organic Letters</i> , 2017, 19, 138-141.	2.4	12
106	Synthesis and characterization of manganese(<i>ii</i>) complexes supported by cyclopentadienyl-phosphine ligands. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 428-433.	3.0	12
107	Outlook of nitrogen fixation by carbene. <i>Tetrahedron</i> , 2020, 76, 131703.	1.0	12
108	Dinitrogen Functionalization Affording Structurally Well-Defined Cobalt Diazenido Complexes. <i>CCS Chemistry</i> , 2022, 4, 532-539.	4.6	12

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109	Palladium-Catalyzed Intermolecular Domino Reaction of gem-Dibromoalkynes with Anilines; A One-Pot Synthesis of Quinolines and Quinolines. <i>Synthesis</i> , 2012, 44, 2754-2762.	1.2	11
110	Novel reactivities of 2,2-dichloroimidazolidine-4,5-diones: synthesis of copper(I) diamidocarbene complex, 2-thioxo/selenoimidazolidine-4,5-dione, and 2,2-difluoroimidazolidine-4,5-dione. <i>Tetrahedron Letters</i> , 2014, 55, 4597-4600.	0.7	11
111	Half-sandwich rare-earth metal tris(alkyl) ate complexes catalyzed phosphaguanylation reaction of phosphines with carbodiimides: an efficient synthesis of phosphaguanidines. <i>New Journal of Chemistry</i> , 2015, 39, 7649-7655.	1.4	11
112	Lewis Acid-Promoted Ring-Contraction of 2,4,6,8-Tetrasubstituted 1,5-Diazacyclooctatetraenes to 2,4,6-Trisubstituted Pyridines. <i>Organic Letters</i> , 2018, 20, 485-488.	2.4	11
113	Cyclobutadiene Sandwich Complexes of Nickel and Iron from Cyclization of 1,3-Butadiene Dianions: Synthesis and Structural Characterization. <i>Organometallics</i> , 2018, 37, 4100-4104.	1.1	11
114	Selective synthesis of (Z)-2-enynyl-2-hydroxy-imidazolidine-4,5-diones via Cu(I)-mediated multicomponent coupling of terminal alkynes, carbodiimides and oxalyl chloride. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3336-3339.	1.5	10
115	Reaction of Dilithio Reagents with PhSiH ₃ : Formation of Siloles and 3-Silacyclopentenes. <i>Journal of Organic Chemistry</i> , 2015, 80, 8758-8762.	1.7	10
116	Dinickelaferrocene: A Ferrocene Analogue with Two Aromatic Nickeloles Realized by Electron Backdonation from Iron. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14394-14398.	7.2	10
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