

Lei Zhu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

146
papers

5,129
citations

42
h-index

65
g-index

160
ext. papers

5,879
ext. citations

7.2
avg, IF

6.01
L-index

#	Paper	IF	Citations
146	Triple Emission of 5'-(<i>R</i> -Phenylene)vinylene-2-(2'-hydroxyphenyl)benzoxazole (). Part II: Emission from Anions.. <i>Journal of Physical Chemistry A</i> , 2022 ,	2.8	1
145	Triple Emission of 5'-(<i>R</i> -Phenylene)vinylene-2-(2'-hydroxyphenyl)benzoxazole (PVHBO). Part I: Dual Emission from the Neutral Species.. <i>Journal of Physical Chemistry A</i> , 2022 ,	2.8	1
144	Preparation and characterization of lignin grafted layered double hydroxides for sustainable service of bitumen under ultraviolet light. <i>Journal of Cleaner Production</i> , 2022 , 350, 131536	10.3	0
143	Palladium-Catalyzed Modular and Enantioselective α -Difunctionalization of 1,3-Enynes with Imines and Boronic Reagents. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17989-17994	16.4	8
142	Synergistic Dinuclear Rhodium Induced Rhodium-Walking Enabling Alkene Terminal Arylation: A Theoretical Study. <i>ACS Catalysis</i> , 2021 , 11, 3975-3987	13.1	3
141	Cellulosic CuI Nanoparticles as a Heterogeneous, Recyclable Catalyst for the Borylation of β , γ -Unsaturated Acceptors in Aqueous Media. <i>Catalysis Letters</i> , 2021 , 151, 3220-3229	2.8	1
140	Revealing HOCl burst from endoplasmic reticulum in cisplatin-treated cells via a ratiometric fluorescent probe. <i>Chinese Chemical Letters</i> , 2021 , 32, 1795-1798	8.1	17
139	Visible-Light-Driven Anti-Markovnikov Hydrocarboxylation of Acrylates and Styrenes with CO ₂ . <i>CCS Chemistry</i> , 2021 , 3, 1746-1756	7.2	35
138	The Collective Power of Genetically Encoded Protein/Peptide Tags and Bioorthogonal Chemistry in Biological Fluorescence Imaging. <i>ChemPhotoChem</i> , 2021 , 5, 187-216	3.3	2
137	Mechanistic insights into the rhodium-copper cascade catalyzed dual C-H annulation of indoles. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 1739-1746	5.2	2
136	Combining palladium and ammonium halide catalysts for Morita-Baylis-Hillman carbonates of methyl vinyl ketone: from 1,4-carbodipoles to ion pairs. <i>Chemical Science</i> , 2021 , 12, 11399-11405	9.4	5
135	A ratiometric fluorescent probe for monitoring pH fluctuations during autophagy in living cells. <i>Chemical Communications</i> , 2021 , 57, 1510-1513	5.8	9
134	Hydroxyaromatic Fluorophores. <i>ACS Omega</i> , 2021 , 6, 3447-3462	3.9	1
133	How Solvents Control the Chemoselectivity in Rh-Catalyzed Defluorinated [4 + 1] Annulation. <i>Organic Letters</i> , 2021 , 23, 1489-1494	6.2	4
132	The influence of amino substituents on the signal-output, selectivity, and sensitivity of a hydroxyaromatic 1,2,3-triazolyl chemosensor for anions: A structure-property relationship investigation. <i>Journal of Physical Organic Chemistry</i> , 2020 , 33, e4078	2.1	0
131	SNAP/CLIP-Tags and Strain-Promoted Azide-Alkyne Cycloaddition (SPAAC)/Inverse Electron Demand Diels-Alder (IEDDA) for Intracellular Orthogonal/Bioorthogonal Labeling. <i>Bioconjugate Chemistry</i> , 2020 , 31, 1370-1381	6.3	13
130	Kinetically Controlled Radical Addition/Elimination Cascade: From Alkynyl Aziridine to Fluorinated Allenes. <i>Organic Letters</i> , 2020 , 22, 2419-2424	6.2	7

129	Protecting-Group-Free Total Syntheses of (±)-Norascyrones A and B. <i>Organic Letters</i> , 2020 , 22, 2517-2521		8
128	Layered Chirality Relay Model in Rh(I)-Mediated Enantioselective C-Si Bond Activation: A Theoretical Study. <i>Organic Letters</i> , 2020 , 22, 2124-2128	6.2	13
127	Expanding the substrate selectivity of SNAP/CLIP-tagging of intracellular targets. <i>Methods in Enzymology</i> , 2020 , 638, 233-257	1.7	2
126	Cu-Catalyzed Oxidative Formation of 5-Alkynyltriazoles. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 380-390	4.5	2
125	Nucleophilicity versus Brønsted Basicity Controlled Chemoselectivity: Mechanistic Insight into Silver- or Scandium-Catalyzed Diazo Functionalization. <i>ACS Catalysis</i> , 2020 , 10, 1256-1263	13.1	22
124	A novel benzothiazine-fused coumarin derivative for sensing hypochlorite with high performance. <i>Dyes and Pigments</i> , 2020 , 182, 108675	4.6	15
123	Visible-Light Photoredox-Catalyzed Remote Difunctionalizing Carboxylation of Unactivated Alkenes with CO ₂ . <i>Angewandte Chemie</i> , 2020 , 132, 21307-21314	3.6	12
122	σ-Bond Migration Assisted Decarboxylative Activation of Vinylene Carbonate in Rh-Catalyzed 4 + 2 Annulation: A Theoretical Study. <i>Organometallics</i> , 2020 , 39, 2813-2819	3.8	8
121	Catalytic enantioselective construction of vicinal quaternary carbon stereocenters. <i>Chemical Science</i> , 2020 , 11, 9341-9365	9.4	48
120	Visible-Light Photoredox-Catalyzed Remote Difunctionalizing Carboxylation of Unactivated Alkenes with CO. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21121-21128	16.4	52
119	Nickel-catalyzed migratory alkyl-alkyl cross-coupling reaction. <i>Chemical Science</i> , 2020 , 11, 10461-10464	9.4	9
118	Formal Asymmetric Cycloaddition of Activated α,β-Unsaturated Ketones with α-Diazomethylphosphonate Mediated by a Chiral Silver SPINOL Phosphate Catalyst. <i>Organic Letters</i> , 2019 , 21, 593-597	6.2	16
117	Mechanistic Insight into Palladium-Catalyzed Carbocyclization-Functionalization of Bisallene: A Computational Study. <i>ChemCatChem</i> , 2019 , 11, 1228-1237	5.2	19
116	An unusual [4 + 2] fusion strategy to forge <i>trans</i> -heteroarene-fused (quinoidal) porphyrins with intense near-infrared Q-bands. <i>Chemical Science</i> , 2019 , 10, 7274-7280	9.4	13
115	Theoretical prediction on the reactivity of the Co-mediated intramolecular Pauson-Khand reaction for constructing bicyclo-skeletons in natural products. <i>Chinese Chemical Letters</i> , 2019 , 30, 889-894	8.1	8
114	Theoretical Study of the Addition of Cu-Carbenes to Acetylenes to Form Chiral Allenes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5772-5780	16.4	22
113	Theoretical study of FMO adjusted C-H cleavage and oxidative addition in nickel catalysed C-H arylation. <i>Communications Chemistry</i> , 2019 , 2,	6.3	8
112	Site-Selective α-Alkoxy Alkylation of Alkyl Esters Mediated by Boryl Radicals. <i>Organic Letters</i> , 2019 , 21, 2927-2931	6.2	11

111	Asymmetric Propargylic Radical Cyanation Enabled by Dual Organophotoredox and Copper Catalysis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6167-6172	16.4	110
110	Enantiodivergence by minimal modification of an acyclic chiral secondary aminocatalyst. <i>Nature Communications</i> , 2019 , 10, 5182	17.4	19
109	Highly Selective and Catalytic Generation of Acyclic Quaternary Carbon Stereocenters via Functionalization of 1,3-Dienes with CO. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18825-18835	16.4	66
108	Oxidative Addition Promoted C-C Bond Cleavage in Rh-Mediated Cyclopropanone Activation: A DFT Study. <i>ACS Catalysis</i> , 2019 , 9, 10876-10886	13.1	21
107	Unmasking the Ligand Effect in Manganese-Catalyzed Hydrogenation: Mechanistic Insight and Catalytic Application. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17337-17349	16.4	45
106	Theoretical Advances on the Mechanism of Transition Metal-Catalyzed C-F Functionalization. <i>Chinese Journal of Organic Chemistry</i> , 2019 , 39, 38	3	6
105	Unveiling how intramolecular stacking modes of covalently linked dimers dictate photoswitching properties. <i>Nature Communications</i> , 2019 , 10, 5480	17.4	3
104	Acyl radical to rhodacycle addition and cyclization relay to access butterfly flavylum fluorophores. <i>Nature Communications</i> , 2019 , 10, 5664	17.4	5
103	Well-Designed Phosphine-Urea Ligand for Highly Diastereo- and Enantioselective 1,3-Dipolar Cycloaddition of Methacrylonitrile: A Combined Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2019 , 141, 961-971	16.4	51
102	Pyrrole β -amides: Synthesis and characterization of a dipyrinone carboxylic acid and an N-Confused fluorescent dipyrinone. <i>Tetrahedron</i> , 2018 , 74, 1698-1704	2.4	2
101	Fluorescence of Hydroxyphenyl-Substituted "Click" Triazoles. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 2956-2973	2.8	18
100	Synthesis of 1-Cyanoalkynes and Their Ruthenium(II)-Catalyzed Cycloaddition with Organic Azides to Afford 4-Cyano-1,2,3-triazoles. <i>Journal of Organic Chemistry</i> , 2018 , 83, 5092-5103	4.2	16
99	Ruthenium(II)-Catalyzed C-H Difluoromethylation of Ketoximes: Tuning the Regioselectivity from the meta to the para Position. <i>Angewandte Chemie</i> , 2018 , 130, 1291-1295	3.6	25
98	Ruthenium-catalyzed umpolung carboxylation of hydrazones with CO. <i>Chemical Science</i> , 2018 , 9, 4873-4878	4.7	52
97	Ruthenium(II)-enabled para-selective C-H difluoromethylation of anilides and their derivatives. <i>Nature Communications</i> , 2018 , 9, 1189	17.4	72
96	Theoretical insight into phosphoric acid-catalyzed asymmetric conjugate addition of indolizines to β,δ -unsaturated ketones. <i>Chinese Chemical Letters</i> , 2018 , 29, 1237-1241	8.1	20
95	Experimental and Theoretical Studies on Ru(II)-Catalyzed Oxidative C-H/C-H Coupling of Phenols with Aromatic Amides Using Air as Oxidant: Scope, Synthetic Applications, and Mechanistic Insights. <i>ACS Catalysis</i> , 2018 , 8, 8324-8335	13.1	27
94	Borylation of β,δ -unsaturated Acceptors by Chitosan Composite Film Supported Copper Nanoparticles. <i>Nanomaterials</i> , 2018 , 8,	5.4	5

93	Recyclable Heterogeneous Chitosan Supported Copper Catalyst for Silyl Conjugate Addition to β,β -Unsaturated Acceptors in Water. <i>Polymers</i> , 2018 , 10,	4.5	7
92	Catalytic Lactonization of Unactivated Aryl C-H Bonds with CO: Experimental and Computational Investigation. <i>Organic Letters</i> , 2018 , 20, 3776-3779	6.2	42
91	Insights into disilylation and distannation: sequence influence and ligand/steric effects on Pd-catalyzed difunctionalization of carbenes. <i>Dalton Transactions</i> , 2018 , 47, 1819-1826	4.3	17
90	Ruthenium(II)-Catalyzed C-H Difluoromethylation of Ketoximes: Tuning the Regioselectivity from the meta to the para Position. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1277-1281	16.4	78
89	The mechanism of copper-catalyzed oxytrifluoromethylation of allylamines with CO ₂ : a computational study. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 633-639	5.2	41
88	Retro-metal-ene versus retro-Aldol: mechanistic insight into Rh-catalysed formal [3+2] cycloaddition. <i>Chemical Communications</i> , 2018 , 54, 13551-13554	5.8	4
87	Beyond O-Benzylguanine: O-(5-Pyridylmethyl)guanine as a Substrate for the Self-Labeling Enzyme SNAP-Tag. <i>Bioconjugate Chemistry</i> , 2018 , 29, 4104-4109	6.3	8
86	Excitation-Dependent Multiple Fluorescence of a Substituted 2-(2'-Hydroxyphenyl)benzoxazole. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 9209-9223	2.8	22
85	Mechanistic Insights into Manganese (I)-Catalyzed Chemoselective Hydroarylations of Alkynes: A Theoretical Study. <i>ChemCatChem</i> , 2018 , 10, 5280-5286	5.2	9
84	Mechanistic view of Ru-catalyzed C-H bond activation and functionalization: computational advances. <i>Chemical Society Reviews</i> , 2018 , 47, 7552-7576	58.5	141
83	Annulation cascade of aryl nitriles with alkynes to stable delocalized PAH carbocations intramolecular rhodium migration. <i>Chemical Science</i> , 2018 , 9, 5488-5493	9.4	27
82	Thiolate-palladium(IV) or sulfonium-palladate(0)? A theoretical study on the mechanism of palladium-catalyzed C-S bond formation reactions. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 943-950	5.2	13
81	Enantioselective alkynylation of N-sulfonyl β -ketiminoesters via a Friedel-Crafts alkylation strategy. <i>Chemical Communications</i> , 2017 , 53, 5890-5893	5.8	12
80	Bioinspired Total Synthesis of Homodimericin A. <i>Angewandte Chemie</i> , 2017 , 129, 7998-8002	3.6	2
79	Bioinspired Total Synthesis of Homodimericin A. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7890-7894	16.4	17
78	Ir(III)/Ir(V) or Ir(I)/Ir(III) Catalytic Cycle? Steric-Effect-Controlled Mechanism for the para-C-H Borylation of Arenes. <i>Organometallics</i> , 2017 , 36, 2107-2115	3.8	29
77	Bioinspired Asymmetric Synthesis of Hispidanin A. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5844-5848	16.4	16
76	Bioinspired Asymmetric Synthesis of Hispidanin A. <i>Angewandte Chemie</i> , 2017 , 129, 5938-5942	3.6	1

75	Stabilization of Two Radicals with One Metal: A Stepwise Coupling Model for Copper-Catalyzed Radical-Radical Cross-Coupling. <i>Scientific Reports</i> , 2017 , 7, 43579	4.9	29
74	Highly enantioselective nitro-Mannich reaction of ketimines under phase-transfer catalysis. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 1266-1271	5.2	24
73	Progressive structural modification to a zinc-actuated photoinduced electron transfer (PeT) switch in the context of intracellular zinc imaging. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 9139-9148	3.9	5
72	Rhodium/Copper Cocatalyzed Highly trans-Selective 1,2-Diheteroarylation of Alkynes with Azoles via C-H Addition/Oxidative Cross-Coupling: A Combined Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15724-15737	16.4	47
71	From Mechanistic Study to Chiral Catalyst Optimization: Theoretical Insight into Binaphthophosphine-catalyzed Asymmetric Intramolecular [3 + 2] Cycloaddition. <i>Scientific Reports</i> , 2017 , 7, 7619	4.9	10
70	Radical Trifluoromethylative Dearomatization of Indoles and Furans with CO ₂ . <i>ACS Catalysis</i> , 2017 , 7, 8324-8330	13.1	63
69	Reactivity and regioselectivity in Diels-Alder reactions of anion encapsulated fullerenes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 30393-30401	3.6	15
68	Ligand effect on nickel-catalyzed reductive alkyne-aldehyde coupling reactions: a computational study. <i>Scientia Sinica Chimica</i> , 2017 , 47, 341-349	1.6	2
67	Dual Role of Acetate in Copper(II) Acetate Catalyzed Dehydrogenation of Chelating Aromatic Secondary Amines: A Kinetic Case Study of Copper-Catalyzed Oxidation Reactions. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 3728-3743	2.3	12
66	Cu(II)-Catalyzed Oxidative Formation of 5,5'-Bistriazoles. <i>Journal of Organic Chemistry</i> , 2016 , 81, 12091-12105	4.2	27
65	Mechanism of Synergistic Cu(II)/Cu(I)-Mediated Alkyne Coupling: Dinuclear 1,2-Reductive Elimination after Minimum Energy Crossing Point. <i>Journal of Organic Chemistry</i> , 2016 , 81, 1654-60	4.2	35
64	Rhodium-Catalyzed Hetero-(5 + 2) Cycloaddition of Vinylaziridines and Alkynes: A Theoretical View of the Mechanism and Chirality Transfer. <i>Organometallics</i> , 2016 , 35, 771-777	3.8	33
63	Structural Determinants of Alkyne Reactivity in Copper-Catalyzed Azide-Alkyne Cycloadditions. <i>Molecules</i> , 2016 , 21,	4.8	18
62	Efficient Synthesis of Dimeric Oxazoles, Piperidines and Tetrahydroisoquinolines from N-Substituted 2-Oxazolones. <i>Chemistry - A European Journal</i> , 2016 , 22, 7696-701	4.8	6
61	On the Mechanism of Copper(I)-Catalyzed Azide-Alkyne Cycloaddition. <i>Chemical Record</i> , 2016 , 16, 1501-1506	4.7	50
60	Zinc(II) Complexes of N,N-Di(2-picoly)hydrazones. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 5477-5484	2.3	3
59	5-Arylvinyl-2,2'-bipyridyls: Bright "push-pull" dyes as components in fluorescent indicators for zinc ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015 , 311, 1-15	4.7	42
58	Enhancing the Photostability of Arylvinylenebipyridyl Compounds as Fluorescent Indicators for Intracellular Zinc(II) Ions. <i>Journal of Organic Chemistry</i> , 2015 , 80, 5600-10	4.2	16

57	Silver Migration Facilitates Isocyanide-Alkyne [3 + 2] Cycloaddition Reactions: Combined Experimental and Theoretical Study. <i>ACS Catalysis</i> , 2015 , 5, 6640-6647	13.1	57
56	Mechanism of Copper(I)-Catalyzed 5-Iodo-1,2,3-triazole Formation from Azide and Terminal Alkyne. <i>Journal of Organic Chemistry</i> , 2015 , 80, 9542-51	4.2	35
55	Absorption and Emission Sensitivity of 2-(2'-Hydroxyphenyl)benzoxazole to Solvents and Impurities. <i>Photochemistry and Photobiology</i> , 2015 , 91, 586-98	3.6	22
54	A fluorescent indicator for imaging lysosomal zinc(II) with Förster resonance energy transfer (FRET)-enhanced photostability and a narrow band of emission. <i>Chemistry - A European Journal</i> , 2015 , 21, 867-74	4.8	44
53	Titelbild: Precise Design of Phosphorescent Molecular Butterflies with Tunable Photoinduced Structural Change and Dual Emission (Angew. Chem. 33/2015). <i>Angewandte Chemie</i> , 2015 , 127, 9553-9553	3.6	33
52	Tuning the Reactivity of Radical through a Triplet Diradical Cu(II) Intermediate in Radical Oxidative Cross-Coupling. <i>Scientific Reports</i> , 2015 , 5, 15934	4.9	28
51	Precise Design of Phosphorescent Molecular Butterflies with Tunable Photoinduced Structural Change and Dual Emission. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9591-5	16.4	64
50	Development of a Rhodium(II)-Catalyzed Chemoselective C(sp ³)-H Oxygenation. <i>Chemistry - A European Journal</i> , 2015 , 21, 14937-42	4.8	35
49	Precise Design of Phosphorescent Molecular Butterflies with Tunable Photoinduced Structural Change and Dual Emission. <i>Angewandte Chemie</i> , 2015 , 127, 9727-9731	3.6	19
48	A phosphorescent molecular "butterfly" that undergoes a photoinduced structural change allowing temperature sensing and white emission. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10908-12	16.4	112
47	Distinguishing Förster Resonance Energy Transfer and solvent-mediated charge-transfer relaxation dynamics in a zinc(II) indicator: a femtosecond time-resolved transient absorption spectroscopic study. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 5088-92	3.6	7
46	Zn(II)-coordination modulated ligand photophysical processes - the development of fluorescent indicators for imaging biological Zn(II) ions. <i>RSC Advances</i> , 2014 , 4, 20398-20440	3.7	91
45	A Fluorescent Indicator for Imaging Lysosomal Zinc(II) with Förster Resonance Energy Transfer (FRET)-Enhanced Photostability and a Narrow Band of Emission. <i>Chemistry - A European Journal</i> , 2014 , 21, 4163	4.8	1
44	A Phosphorescent Molecular Butterfly that undergoes a Photoinduced Structural Change allowing Temperature Sensing and White Emission. <i>Angewandte Chemie</i> , 2014 , 126, 11088-11092	3.6	26
43	Bis[N-alkyl-NN-di(2-pyridylmethyl)amine]zinc(II) perchlorates display cis-facial stereochemistry in solid state and solution. <i>Supramolecular Chemistry</i> , 2014 , 26, 214-222	1.8	12
42	Fused polycyclic compounds via cycloaddition of 4-(1'-cyclohexenyl)-5-iodo-1,2,3-triazoles with 4-phenyl-1,2,4-triazoline-3,5-dione: the importance of a sacrificial iodide leaving group. <i>Journal of Organic Chemistry</i> , 2013 , 78, 5038-44	4.2	7
41	Integrated and passive 1,2,3-triazolyl groups in fluorescent indicators for zinc(II) ions: thermodynamic and kinetic evaluations. <i>Inorganic Chemistry</i> , 2013 , 52, 5838-50	5.1	62
40	Synthesis of 5-Iodo-1,2,3-triazoles from Organic Azides and Terminal Alkynes: Ligand Acceleration Effect, Substrate Scope, and Mechanistic Insights. <i>Synthesis</i> , 2013 , 45, 2372-2386	2.9	27

- 39 Tricolor emission of a fluorescent heteroditopic ligand over a concentration gradient of zinc(II) ions. *Journal of Organic Chemistry*, **2012**, 77, 8268-79 4.2 45
- 38 Tunable dual fluorescence of 3-(2,2'-bipyridyl)-substituted iminocoumarin. *ChemPhysChem*, **2012**, 13, 3827-35 3.2 16
- 37 Structurally diverse copper(II) complexes of polyaza ligands containing 1,2,3-triazoles: site selectivity and magnetic properties. *Inorganic Chemistry*, **2012**, 51, 3465-77 5.1 76
- 36 ZnII and PbII coordination chemistry of 2,6-bis(1,2,3-triazol-4-yl)pyridine (clickate) and the metal ion-dependent emission of clickate-appended anthracene. *Supramolecular Chemistry*, **2012**, 24, 696-706 1.8 14
- 35 Chemospecific sequential "click" ligation using unsymmetrical bisazides. *Organic Letters*, **2012**, 14, 2596-3 5.3 55
- 34 Synthesis of 5-iodo-1,4-disubstituted-1,2,3-triazoles mediated by in situ generated copper(I) catalyst and electrophilic triiodide ion. *Journal of Organic Chemistry*, **2012**, 77, 6443-55 4.2 101
- 33 Experimental investigation on the mechanism of chelation-assisted, copper(II) acetate-accelerated azide-alkyne cycloaddition. *Journal of the American Chemical Society*, **2011**, 133, 13984-4001 16.4 143
- 32 Balance between fluorescence enhancement and association affinity in fluorescent heteroditopic indicators for imaging zinc ion in living cells. *Inorganic Chemistry*, **2011**, 50, 10493-504 5.1 24
- 31 A FRET-based indicator for imaging mitochondrial zinc ions. *Chemical Communications*, **2011**, 47, 11730-25.8 7.4 74
- 30 Tridentate complexes of 2,6-bis(4-substituted-1,2,3-triazol-1-ylmethyl)pyridine and its organic azide precursors: an application of the copper(II) acetate-accelerated azide-alkyne cycloaddition. *Dalton Transactions*, **2011**, 40, 3655-65 4.3 41
- 29 Ligand-assisted, copper(II) acetate-accelerated azide-alkyne cycloaddition. *Chemistry - an Asian Journal*, **2011**, 6, 2825-34 4.5 43
- 28 2-Anthryltriazolyl-containing multidentate ligands: zinc-coordination mediated photophysical processes and potential in live-cell imaging applications. *Inorganic Chemistry*, **2010**, 49, 4278-87 5.1 63
- 27 Electronic structural dependence of the photophysical properties of fluorescent heteroditopic ligands - implications in designing molecular fluorescent indicators. *Organic and Biomolecular Chemistry*, **2010**, 8, 5431-41 3.9 15
- 26 Metal-coordination-mediated sequential chelation-enhanced fluorescence (CHEF) and fluorescence resonance energy transfer (FRET) in a heteroditopic ligand system. *New Journal of Chemistry*, **2010**, 34, 2176 3.6 39
- 25 Chelation-assisted, copper(II)-acetate-accelerated azide-alkyne cycloaddition. *Journal of Organic Chemistry*, **2010**, 75, 6540-8 4.2 127
- 24 Mini review: Fluorescent heteroditopic ligands of metal ions. *Supramolecular Chemistry*, **2009**, 21, 268-283 3.8 26
- 23 Structures, metal ion affinities, and fluorescence properties of soluble derivatives of tris((6-phenyl-2-pyridyl)methyl)amine. *Inorganic Chemistry*, **2009**, 48, 11196-208 5.1 14
- 22 Catechol boronate formation and its electrochemical oxidation. *Chemical Communications*, **2009**, 2151-35.8 2.7 27

21	Apparent copper(II)-accelerated azide-alkyne cycloaddition. <i>Organic Letters</i> , 2009 , 11, 4954-7	6.2	182
20	Fluorescence of 5-arylvinyl-5'-methyl-2,2'-bipyridyl ligands and their zinc complexes. <i>Journal of Organic Chemistry</i> , 2009 , 74, 8761-72	4.2	49
19	A fluorescent heteroditopic ligand responding to free zinc ion over six orders of magnitude concentration range. <i>Chemical Communications</i> , 2009 , 7408-10	5.8	22
18	Unimolecular binary half-adders with orthogonal chemical inputs. <i>Chemical Communications</i> , 2008 , 1880-3	5.8	21
17	Photochemically stable fluorescent heteroditopic ligands for zinc ion. <i>Journal of Organic Chemistry</i> , 2008 , 73, 8321-30	4.2	35
16	A heteroditopic fluoroionophoric platform for constructing fluorescent probes with large dynamic ranges for zinc ions. <i>Chemistry - A European Journal</i> , 2008 , 14, 2894-903	4.8	80
15	Highly sensitive fluorescent probes for zinc ion based on triazolyl-containing tetradentate coordination motifs. <i>Organic Letters</i> , 2007 , 9, 4999-5002	6.2	186
14	Two methods for the determination of enantiomeric excess and concentration of a chiral sample with a single spectroscopic measurement. <i>Chemistry - A European Journal</i> , 2007 , 13, 99-104	4.8	45
13	Fluorescent dyes of the esculetin and alizarin families respond to zinc ions ratiometrically. <i>Chemical Communications</i> , 2007 , 1891-3	5.8	57
12	Signal amplification by allosteric catalysis. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1190-6	16.4	127
11	Signalamplifizierung über allosterische Katalyse. <i>Angewandte Chemie</i> , 2006 , 118, 1208-1215	3.6	31
10	A structural investigation of the N-B interaction in an o-(N,N-dialkylaminomethyl)arylboronate system. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1222-32	16.4	278
9	Guidelines in implementing enantioselective indicator-displacement assays for alpha-hydroxycarboxylates and diols. <i>Journal of the American Chemical Society</i> , 2005 , 127, 4260-9	16.4	163
8	FRET induced by an allosteric cycloaddition reaction regulated with exogenous inhibitor and effectors. <i>Tetrahedron</i> , 2004 , 60, 7267-7275	2.4	44
7	Facile quantification of enantiomeric excess and concentration with indicator-displacement assays: an example in the analyses of alpha-hydroxyacids. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3676-7	16.4	199
6	Geometry-dependent phosphodiester hydrolysis catalyzed by binuclear copper complexes. <i>Inorganic Chemistry</i> , 2003 , 42, 7912-20	5.1	77
5	Nylon/DNA: Single-stranded DNA with a covalently stitched nylon lining. <i>Journal of the American Chemical Society</i> , 2003 , 125, 10178-9	16.4	45
4	Reaction of N3-benzoyl-3',5'-O-(di-tert-butylsilyl)uridine with hindered electrophiles: intermolecular N3 to 2'-O protecting group transfer. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2002 , 21, 723-35	1.4	7

3	Controllable Preparation of Chiral Oxazoline-Cu(II) Catalyst as Nanoreactor for Highly Asymmetric Henry Reaction in Water. <i>Catalysis Letters</i> ,1	2.8	0
2	Regio- and Enantioselective Hydroalkylations of Unactivated Olefins Enabled by Nickel Catalysis: Reaction Development and Mechanistic Insights. <i>ACS Catalysis</i> ,5795-5805	13.1	3
1	Highly Enantioselective Synthesis of [1,2,4]Triazino[5,4-a]isoquinoline Derivatives via (3 + 3) Cycloaddition Reactions of Diazo Compounds and Isoquinolinium Methylides. <i>Organic Letters</i> ,	6.2	1