Yu-Fen Zhao

List of Publications by Year
in descending order

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438 papers	9,536 citations	34105 52 h-index	76900 74 g-index
439 all docs	439 docs citations	439 times ranked	7826 citing authors

#	Article	IF	Citations
1	Copper-Catalyzed Aerobic Oxidative Coupling of Terminal Alkynes with H-Phosphonates Leading to Alkynylphosphonates. Journal of the American Chemical Society, 2009, 131, 7956-7957.	13.7	268
2	Lysosomal-Targeted Two-Photon Fluorescent Probe to Sense Hypochlorous Acid in Live Cells. Analytical Chemistry, 2017, 89, 10384-10390.	6.5	191
3	An Inexpensive and Efficient Copper Catalyst forN-Arylation of Amines, Amides and Nitrogen-Containing Heterocycles. Advanced Synthesis and Catalysis, 2006, 348, 2197-2202.	4.3	150
4	Specific Knockdown of Endogenous Tau Protein by Peptide-Directed Ubiquitin-Proteasome Degradation. Cell Chemical Biology, 2016, 23, 453-461.	5.2	147
5	Copper-Catalyzed Amidation of sp3 Câˆ’H Bonds Adjacent to a Nitrogen Atom. Organic Letters, 2007, 9, 3813-3816.	4.6	143
6	Catalytic hydroboration of aldehydes, ketones, alkynes and alkenes initiated by NaOH. Green Chemistry, 2017, 19, 4169-4175.	9.0	126
7	AÎ²42 and AÎ²40: similarities and differences. Journal of Peptide Science, 2015, 21, 522-529.	1.4	124
8	Stereospecific Coupling of H-Phosphinates and Secondary Phosphine Oxides with Amines and Alcohols: A General Method for the Preparation of Optically Active Organophosphorus Acid Derivatives. Journal of Organic Chemistry, 2010, 75, 3890-3892.	3.2	121
9	Visible-Light Induced Radical Perfluoroalkylation/Cyclization Strategy To Access 2-Perfluoroalkylbenzothiazoles/Benzoselenazoles by EDA Complex. Organic Letters, 2019, 21, 4019-4024.	4.6	121
10	General and Efficient Copper-Catalyzed Amidation of Saturated Câˆ’H Bonds Using N-Halosuccinimides as the Oxidants. Journal of Organic Chemistry, 2008, 73, 6207-6212.	3.2	116
11	Silver-catalyzed decarboxylative radical cascade cyclization toward benzimidazo[2,1-a]isoquinolin-6(5H)-ones. Chemical Communications, 2019, 55, 2861-2864.	4.1	114
12	H-phosphonate-mediated sulfonylation of heteroaromatic N-oxides: a mild and metal-free one-pot synthesis of 2-sulfonyl quinolines/pyridines. Chemical Communications, 2015, 51, 12111-12114.	4.1	111
13	Sequestration of Copper from Î²-Amyloid Promotes Selective Lysis by Cyclen-Hybrid Cleavage Agents. Journal of Biological Chemistry, 2008, 283, 31657-31664.	3.4	109
14	Copper-Catalyzed Decarboxylative Câ€“P Cross-Coupling of Alkynyl Acids with H-Phosphine Oxides: A Facile and Selective Synthesis of (E)-1-Alkenylphosphine Oxides. Organic Letters, 2014, 16, 4464-4467.	4.6	93
15	Main group metalâ€“ligand cooperation of N-heterocyclic germylene: an efficient catalyst for hydroboration of carbonyl compounds. Chemical Communications, 2016, 52, 13799-13802.	4.1	91
16	Palladium(II)â€Catalyzed Hydration of Alkynylphosphonates to Î²â€Ketophosphonates. Advanced Synthesis and Catalysis, 2012, 354, 2427-2432.	4.3	90
17	tert-Butyl Hydroperoxide Mediated Cascade Synthesis of 3-Arylsulfonylquinolines. Organic Letters, 2016, 18, 1286-1289.	4.6	89
18	A one-pot strategy to synthesize Î²-ketophosphonates: silver/copper catalyzed direct oxyphosphorylation of alkynes with H-phosphonates and oxygen in the air. Chemical Communications, 2015, 51, 3846-3849.	4.1	85

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19	Phosphorothiolation of Aryl Boronic Acids Using P(O)H Compounds and Elemental Sulfur. Organic Letters, 2016, 18, 1266-1269.	4.6	84
20	Oligomerization ofN,O-Bis(trimethylsilyl)-Î±-amino Acids into Peptides Mediated byo-Phenylene Phosphorochloridate. Journal of the American Chemical Society, 1999, 121, 291-295.	13.7	83
21	Silver catalyzed decarboxylative direct C2-alkylation of benzothiazoles with carboxylic acids. Chemical Communications, 2014, 50, 2018.	4.1	83
22	Quick and highly efficient copper-catalyzed cycloaddition of aliphatic and aryl azides with terminal alkynes â€œon waterâ€. Green Chemistry, 2008, 10, 452.	9.0	82
23	A Visibleâ€Lightâ€Promoted Metalâ€Free Strategy towards Arylphosphonates: Organicâ€Dyeâ€Catalyzed Phosphorylation of Arylhydrazines with Trialkylphosphites. Advanced Synthesis and Catalysis, 2018, 360, 4807-4813.	4.3	82
24	A Cascade Phosphinoylation/Cyclization/Desulfonylation Process for the Synthesis of 3-Phosphinoylindoles. Organic Letters, 2016, 18, 1242-1245.	4.6	81
25	Synthesis of a Diverse Series of Phosphacoumarins with Biological Activity. Organic Letters, 2005, 7, 4919-4922.	4.6	80
26	Phosphorylation induces distinct alpha-synuclein strain formation. Scientific Reports, 2016, 6, 37130.	3.3	79
27	Copperâ€Catalyzed Cycloaddition of Sulfonyl Azides with Alkynes to Synthesize Nâ€Sulfonyltriazoles â€˜on Waterâ€™ at Room Temperature. Advanced Synthesis and Catalysis, 2008, 350, 1830-1834.	4.3	78
28	Copperâ€Catalyzed Synthesis of Alkylphosphonates from Hâ€Phosphonates and Nâ€Tosylhydrazones. Advanced Synthesis and Catalysis, 2012, 354, 2659-2664.	4.3	77
29	Silver-Catalyzed Radical Cascade Cyclization toward 1,5-/1,3-Dicarbonyl Heterocycles: An Atom-/Step-Economical Strategy Leading to Chromenopyridines and Isoxazole-/Pyrazole-Containing Chroman-4-Ones. Organic Letters, 2018, 20, 6157-6160.	4.6	75
30	Vanadium-Catalyzed Enantioselective Sulfoxidation and Concomitant, Highly Efficient Kinetic Resolution Provide High Enantioselectivity and Acceptable Yields of Sulfoxides. Advanced Synthesis and Catalysis, 2005, 347, 1933-1936.	4.3	74
31	Copper-Catalyzed Radical Cascade Cyclization To Access 3-Sulfonated Indenones with the AIE Phenomenon. Journal of Organic Chemistry, 2018, 83, 14419-14430.	3.2	74
32	KOH-mediated transition metal-free synthesis of imines from alcohols and amines. Green Chemistry, 2012, 14, 2384.	9.0	72
33	Direct Transformation of Amides into Î±-Amino Phosphonates via a Reductive Phosphination Process. Organic Letters, 2013, 15, 4214-4217.	4.6	72
34	Recent progress toward organophosphorus compounds based on phosphorus-centered radical difunctionalizations. Phosphorus, Sulfur and Silicon and the Related Elements, 2017, 192, 589-596.	1.6	72
35	Silver-catalyzed decarboxylative cascade radical cyclization of tert-carboxylic acids and o-(allyloxy)arylaldehydes towards chroman-4-one derivatives. Organic Chemistry Frontiers, 2018, 5, 2925-2929.	4.5	70
36	Phosphorus Radical-Initiated Cascade Reaction To Access 2-Phosphoryl-Substituted Quinoxalines. Journal of Organic Chemistry, 2018, 83, 11727-11735.	3.2	69

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37	Nickel(II)â€Magnesiumâ€Catalyzed Crossâ€Coupling of 1,1â€Dibromoâ€1â€alkenes with Diphenylphosphine Oxide: Oneâ€Pot Synthesis of (E)â€1â€Alkenylphosphine Oxides or Bisphosphine Oxides. Advanced Synthesis and Catalysis, 2013, 355, 659-666.	4.3	68
38	Peroxides as â€œSwitchesâ€• of Dialkyl H-Phosphonate: Two Mild and Metal-Free Methods for Preparation of 2-Acylbenzothiazoles and Dialkyl Benzothiazol-2-ylphosphonates. Journal of Organic Chemistry, 2014, 79, 8407-8416.	3.2	68
39	Copper-catalyzed one-pot three-component thioamination of 1,4-naphthoquinone. Organic Chemistry Frontiers, 2019, 6, 1476-1480.	4.5	64
40	Novel safer phosphonate-based gel polymer electrolytes for sodium-ion batteries with excellent cycling performance. Journal of Materials Chemistry A, 2018, 6, 6559-6564.	10.3	63
41	Visible Light as a Sole Requirement for Intramolecular C(sp³)â€“H Imination. Organic Letters, 2017, 19, 1994-1997.	4.6	60
42	K₂S₂O₈-mediated metal-free direct Pâ€“H/Câ€“H functionalization: a convenient route to benzo[b]phosphole oxides from unactivated alkynes. Green Chemistry, 2016, 18, 3522-3526.	9.0	59
43	Copperâ€Catalyzed Cycloaddition between Secondary Phosphine Oxides and Alkynes: Synthesis of Benzophosphole Oxides. Advanced Synthesis and Catalysis, 2016, 358, 138-142.	4.3	57
44	Cascade Phosphinoylation/Cyclization/Isomerization Process for the Synthesis of 2-Phosphinoyl-9H-pyrrolo[1,2-a]indoles. Organic Letters, 2016, 18, 5712-5715.	4.6	56
45	A direct metal-free C2â€“H functionalization of quinoline N-oxides: a highly selective amination and alkylation strategy towards 2-substituted quinolines. Organic Chemistry Frontiers, 2017, 4, 1595-1600.	4.5	56
46	Copper-Catalyzed C4-H Regioselective Phosphorylation/Trifluoromethylation of Free 1-Naphthylamines. Organic Letters, 2019, 21, 486-489.	4.6	56
47	A Simple Copperâ€Catalyzed Cascade Synthesis of 2â€Aminoâ€1Hâ€indoleâ€3â€carboxylate Derivatives. Advanced Synthesis and Catalysis, 2010, 352, 1033-1038.	4.3	55
48	Mechanism of Nickel-Catalyzed Selective Câ€“N Bond Activation in Suzuki-Miyaura Cross-Coupling of Amides: A Theoretical Investigation. Journal of Organic Chemistry, 2016, 81, 11686-11696.	3.2	55
49	Synthesis of S-Aryl Phosphorothioates by Copper-Catalyzed Phosphorothiolation of Diaryliodonium and Arenediazonium Salts. Journal of Organic Chemistry, 2016, 81, 5588-5594.	3.2	55
50	Copperâ€Catalyzed Synthesis of 1,2,4â€Benzothiadiazine 1,1â€Dioxide Derivatives by Coupling of 2â€Halobenzenesulfonamides with Amidines. Advanced Synthesis and Catalysis, 2009, 351, 1999-2004.	4.3	54
51	Copper-Catalyzed Remote C(sp³)â€“H Phosphorothiolation of Sulfonamides and Carboxamides in a Multicomponent Reaction. Organic Letters, 2020, 22, 1760-1764.	4.6	54
52	Substituent effects and mechanism elucidation of enantioselective sulfoxidation catalyzed by vanadium Schiff base complexes. New Journal of Chemistry, 2005, 29, 1125.	2.8	53
53	Palladiumâ€Catalyzed Cï£¿P Crossâ€Coupling of Arylhydrazines with Hâ€Phosphonates via Cï£¿N Bond Cleavage. Advanced Synthesis and Catalysis, 2014, 356, 2948-2954.	4.3	53
54	A long-wavelength-emitting fluorescent probe for simultaneous discrimination of H2S/Cys/GSH and its bio-imaging applications. Talanta, 2019, 196, 145-152.	5.5	53

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55	Imaging Hg²⁺-Induced Oxidative Stress by NIR Molecular Probe with â€œDual-Key-and-Lockâ€• Strategy. Analytical Chemistry, 2020, 92, 12002-12009.	6.5	51
56	Iodineâ€Mediated Sulfonylation of Quinoline Nâ€Oxides: a Mild and Metalâ€Free Oneâ€Pot Synthesis of 2â€Sulfonyl Quinolines. Asian Journal of Organic Chemistry, 2017, 6, 492-495.	2.7	50
57	Visible-light-induced metal-free cascade cyclization of N-arylpropiolamides to 3-phosphorylated, trifluoromethylated and thiocyanated azaspiro[4.5]trienones. Organic Chemistry Frontiers, 2021, 8, 760-766.	4.5	50
58	Tetrabutylammonium Iodideâ€Catalyzed Phosphorylation of Benzyl Cï£¿H Bonds via a Crossâ€Dehydrogenative Coupling (CDC) Reaction. Advanced Synthesis and Catalysis, 2014, 356, 3331-3335.	4.3	48
59	Phosphoryl group participation leads to peptide formation from Nâ€phosphorylamino acids. International Journal of Peptide and Protein Research, 1992, 39, 375-381.	0.1	47
60	Consecutive visible-light photoredox decarboxylative couplings of adipic acid active esters with alkynyl sulfones leading to cyclic compounds. Chemical Communications, 2016, 52, 8862-8864.	4.1	47
61	Applications of H-phosphonates for C element bond formation. Pure and Applied Chemistry, 2019, 91, 33-41.	1.9	47
62	A highly sensitive and selective turn-on fluorescent probe for sulfite and its application in biological imaging. New Journal of Chemistry, 2015, 39, 6284-6288.	2.8	46
63	Ag-mediated cascade decarboxylative coupling and annulation: a convenient route to 2-phosphinobenzo[b]phosphole oxides. Organic and Biomolecular Chemistry, 2015, 13, 8221-8231.	2.8	46
64	Cobalt-Catalyzed Oxidative C(sp3)â€“H Phosphonylation for Î±-Aminophosphonates via C(sp3)â€“H/P(O)â€“H Coupling. Journal of Organic Chemistry, 2018, 83, 6754-6761.	3.2	46
65	Synthesis of Tn/T Antigen MUC1 Glycopeptide BSA Conjugates and Their Evaluation as Vaccines. European Journal of Organic Chemistry, 2011, 2011, 3685-3689.	2.4	45
66	Phosphoryl amino acids: Common origin for nucleic acids and protein. Journal of Biological Physics, 1995, 20, 283-287.	1.5	44
67	Quantum chemical study of cyclic dipeptides. International Journal of Quantum Chemistry, 2007, 107, 745-753.	2.0	43
68	Copper-Catalyzed Phosphonationâ€“Annulation Approaches to the Synthesis of Î²-Phosphonotetrahydrofurans Involving Câ€“P and Câ€“O Bonds Formation. Journal of Organic Chemistry, 2015, 80, 11398-11406.	3.2	42
69	Three N-stabilized rhodamine-based fluorescent probes for Al³⁺via Al³⁺-promoted hydrolysis of Schiff bases. New Journal of Chemistry, 2015, 39, 342-348.	2.8	42
70	Simultaneous formation of peptides and nucleotides from n-phosphothreonine. Origins of Life and Evolution of Biospheres, 1996, 26, 547-560.	1.9	41
71	Mn(OAc)₃-mediated synthesis of Î²-hydroxyphosphonates from P(O)â€“H compounds and alkenes. RSC Advances, 2014, 4, 51776-51779.	3.6	41
72	A fluorescence ratiometric chemosensor for Fe3+ based on TBET and its application in living cells. Talanta, 2014, 128, 69-74.	5.5	41

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73	Selfâ€activation of Nâ€phosphoamino acids and Nâ€phosphodipeptides in oligopeptide formation. International Journal of Peptide and Protein Research, 1995, 45, 514-518.	0.1	40
74	A new FRET ratiometric fluorescent chemosensor for Hg2+ and its application in living EC 109 cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 139, 549-554.	3.9	40
75	Direct synthesis of 2-sulfonated 9H-pyrrolo[1,2-a]indoles via NaI-catalyzed cascade radical addition/cyclization/isomerization. Organic Chemistry Frontiers, 2017, 4, 1350-1353.	4.5	40
76	Hydrophobic tagging-mediated degradation of Alzheimer's disease related Tau. RSC Advances, 2017, 7, 40362-40366.	3.6	40
77	Perovskite as Recyclable Photocatalyst for Annulation Reaction of N-Sulfonyl Ketimines. Organic Letters, 2022, 24, 299-303.	4.6	40
78	Hâ€Phosphonateâ€Mediated Amination of Quinoline Nâ€Oxides with Tertiary Amines: A Mild and Metalâ€Free Synthesis of 2â€Dialkylaminoquinolines. Advanced Synthesis and Catalysis, 2014, 356, 1979-1985.	4.3	39
79	Copper-Catalyzed Direct Coupling of Unprotected Propargylic Alcohols with P(O)H Compounds: Access to Allenylphosphoryl Compounds under Ligand- and Base-Free Conditions. Organic Letters, 2016, 18, 6066-6069.	4.6	39
80	Prebiotic formation of cyclic dipeptides under potentially early Earth conditions. Scientific Reports, 2018, 8, 936.	3.3	39
81	Iodideâ€Catalyzed Phosphorothiolation of Heteroarenes Using P(O)H Compounds and Elemental Sulfur. Advanced Synthesis and Catalysis, 2019, 361, 3210-3216.	4.3	39
82	A novel quantification method for analysis of twenty natural amino acids in human serum based on N-phosphorylation labeling using reversed-phase liquid chromatographyâ€“tandem mass spectrometry. Analytica Chimica Acta, 2014, 836, 61-71.	5.4	38
83	An External-Catalyst-Free Trifluoromethylation/Cyclization Strategy To Access Trifluoromethylated-Dihydroisoquinolinones/Indolines with Togni Reagent II. Organic Letters, 2019, 21, 1863-1867.	4.6	38
84	Concentration effects in solid-state CD spectra of chiral atropisomeric compounds. New Journal of Chemistry, 2011, 35, 1781.	2.8	37
85	Acetonitrile-dependent oxyphosphorylation: A mild one-pot synthesis of Î²-ketophosphonates from alkenyl acids or alkenes. Tetrahedron, 2017, 73, 2439-2446.	1.9	37
86	A new rosamine-based fluorescent chemodosimeter for hydrogen sulfide and its bioimaging in live cells. New Journal of Chemistry, 2016, 40, 6384-6388.	2.8	36
87	Organocatalytic Atroposelective Construction of Axially Chiral N-Aryl Benzimidazoles Involving Carbonâ€“Carbon Bond Cleavage. Organic Letters, 2020, 22, 6382-6387.	4.6	36
88	Copper-Catalyzed Cascade Radical Additionâ€“Cyclization Halogen Atom Transfer between Alkynes and Unsaturated Î±-Halogenocarbonyls. ACS Catalysis, 2017, 7, 186-190.	11.2	35
89	Visible-light-mediated direct synthesis of phosphorotrithioates as potent anti-inflammatory agents from white phosphorus. Organic Chemistry Frontiers, 2019, 6, 190-194.	4.5	35
90	Mitochondria-targeted NIR fluorescent probe for sensing Hg2+/HSO3â^' and its intracellular applications. Talanta, 2021, 234, 122606.	5.5	35

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91	Efficient Copperâ€Catalyzed Synthesis of Nâ€Alkylanthranilic Acids via an orthoâ€Substituent Effect of the Carboxyl Group of 2â€Halobenzoic Acids at Room Temperature. Advanced Synthesis and Catalysis, 2009, 351, 1671-1676.	4.3	34
92	The phosphaethynolate anion reacts with unsaturated bonds: DFT investigations into [2+2], [3+2] and [4+2] cycloadditions. Chemical Communications, 2014, 50, 11347-11349.	4.1	34
93	Copper-catalyzed cycloaddition between hydrogen phosphonates and activated alkenes: synthesis of phosphonoisoquinolinediones. RSC Advances, 2016, 6, 303-306.	3.6	34
94	A Multiheteroatom [3,3]-Sigmatropic Rearrangement: Disproportionative Entries into 2-(N-Heteroaryl)methyl Phosphates and Î±-Keto Phosphates. Organic Letters, 2017, 19, 5864-5867.	4.6	34
95	Reductive stress imaging in the endoplasmic reticulum by using living cells and zebrafish. Chemical Communications, 2019, 55, 9629-9632.	4.1	34
96	Synthesis of 6â€Phenanthridinephosphonates via a Radical Phosphonation and Cyclization Process Mediated by Manganese(III) Acetate. Asian Journal of Organic Chemistry, 2014, 3, 691-694.	2.7	33
97	Two-dimensional countercurrent chromatography Ã— high performance liquid chromatography for preparative isolation of toad venom. Journal of Chromatography A, 2014, 1331, 80-89.	3.7	33
98	Phosphorylation Weakens but Does Not Inhibit Membrane Binding and Clustering of K-Ras4B. ACS Chemical Biology, 2017, 12, 1703-1710.	3.4	33
99	ESI-MSnstudy on the fragmentation of protonated cyclic-dipeptides. Spectroscopy, 2009, 23, 131-139.	0.8	32
100	Synthesis of Î²â€Ketosulfones by using Sulfonyl Chloride as a Sulfur Source. Asian Journal of Organic Chemistry, 2016, 5, 878-881.	2.7	31
101	Copper-Catalyzed Direct Oxidative Câ€“H Functionalization of Unactivated Cycloalkanes into Cycloalkyl Benzo[b]phosphole Oxides. Organic Letters, 2018, 20, 3455-3459.	4.6	31
102	TDP-43 specific reduction induced by Di-hydrophobic tags conjugated peptides. Bioorganic Chemistry, 2019, 84, 254-259.	4.1	31
103	Recent Advances of Phosphorus-Centered Radical Promoted Difunctionalization of Unsaturated Carbon-Carbon Bonds. Chinese Journal of Organic Chemistry, 2018, 38, 62.	1.3	31
104	Highly Efficient Copperâ€Catalyzed Synthesis of Internal Alkynes via Aerobic Oxidative Arylation of Terminal Alkynes. Advanced Synthesis and Catalysis, 2010, 352, 458-462.	4.3	30
105	Phosphorus oxychloride as an efficient coupling reagent for the synthesis of esters, amides and peptides under mild conditions. RSC Advances, 2013, 3, 16247-16250.	3.6	30
106	Synthesis of Novel Biomimetic Zwitterionic Phosphorylcholine-Bound Chitosan Derivative. Macromolecular Rapid Communications, 2006, 27, 548-552.	3.9	29
107	N-phosphorylation of amino acids by trimetaphosphate in aqueous solutionâ€”learning from prebiotic synthesis. Green Chemistry, 2009, 11, 569.	9.0	29
108	General and efficient copper-catalyzed aerobic oxidative synthesis of N-fused heterocycles using amino acids as the nitrogen source. RSC Advances, 2013, 3, 15636.	3.6	29

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109	TBAI-catalyzed oxidative Câ€“H functionalization: a new route to benzo[b]phosphole oxides. Chemical Communications, 2016, 52, 2815-2818.	4.1	29
110	Phosphorylation at Ser8 as an Intrinsic Regulatory Switch to Regulate the Morphologies and Structures of Alzheimer's 40-residue Î²-Amyloid (AÎ²40) Fibrils. Journal of Biological Chemistry, 2017, 292, 2611-2623.	3.4	29
111	Stable isotope N -phosphoryl amino acids labeling for quantitative profiling of amine-containing metabolites using liquid chromatography mass spectrometry. Analytica Chimica Acta, 2017, 978, 24-34.	5.4	29
112	Synthesis of mixed phosphorotrithioates from white phosphorus. Green Chemistry, 2020, 22, 8353-8359.	9.0	29
113	Visible-Light-Induced Phosphorylation of Imidazo-Fused Heterocycles under Metal-Free Conditions. Journal of Organic Chemistry, 2020, 85, 14744-14752.	3.2	29
114	Chirality at phosphorus in pentacoordinate spirophosphoranes: stereochemistry by X-ray structure and spectroscopic analysis. Organic and Biomolecular Chemistry, 2009, 7, 3020.	2.8	28
115	Nickel-Catalyzed One-Pot Tandem 1,4-1,2-Addition of P(O)H Compounds to 1,10-Phenanthrolines. Journal of Organic Chemistry, 2015, 80, 1192-1199.	3.2	28
116	Plasmon Modes Induced by Anisotropic Gap Opening in Au@Cu₂O Nanorods. Small, 2016, 12, 4264-4276.	10.0	28
117	A novel rosamine-based fluorescent probe for bisulfite in aqueous solution. RSC Advances, 2016, 6, 103905-103909.	3.6	28
118	A chitosan-mediated inhalable nanovaccine against SARS-CoV-2. Nano Research, 2022, 15, 4191-4200.	10.4	28
119	A bis(rhodamine)-based highly sensitive and selective fluorescent chemosensor for Hg(ii) in aqueous media. New Journal of Chemistry, 2012, 36, 1961.	2.8	27
120	Synthesis of 3-phosphinoylquinolines via a phosphinoylationâ€“cyclizationâ€“aromatization process mediated by tert-butyl hydroperoxide. RSC Advances, 2016, 6, 60922-60925.	3.6	27
121	Stable cross-linked gel terpolymer electrolyte containing methyl phosphonate for sodium ion batteries. Journal of Membrane Science, 2019, 583, 163-170.	8.2	27
122	A three-channel fluorescent probe to image mitochondrial stress. Chemical Communications, 2020, 56, 7710-7713.	4.1	27
123	N-phosphoryl amino acid models for P-N bonds in prebiotic chemical evolution. Science China Chemistry, 2015, 58, 374-382.	8.2	26
124	Photoredox-catalyzed cascade annulation of N-propargylindoles with sulfonyl chlorides: access to 2-sulfonated 9H-pyrrolo[1,2-a]indoles. Organic and Biomolecular Chemistry, 2019, 17, 2873-2876.	2.8	26
125	Direct synthesis of phosphorotrithioites and phosphorotrithioates from white phosphorus and thiols. Green Chemistry, 2020, 22, 5303-5309.	9.0	26
126	Highly Efficient Iron(II) Chloride/Nâ€Bromosuccinimideâ€Mediated Synthesis of Imides and Acylsulfonamides. Advanced Synthesis and Catalysis, 2009, 351, 246-252.	4.3	24

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127	Experimental and theoretical studies on nickelâ€“zinc-catalyzed cross-coupling of gem-dibromoalkenes with P(O)â€“H compounds. RSC Advances, 2014, 4, 2322-2326.	3.6	24
128	Stability, Reactivity, Selectivity, Catalysis, and Predictions of 1,3,2,5-Diazadiborinine: Computational Insight into a Boronâ€“Boron Frustrated Lewis Pair. Journal of Organic Chemistry, 2015, 80, 8790-8795.	3.2	24
129	Development of a stable phosphoarginine analog for producing phosphoarginine antibodies. Organic and Biomolecular Chemistry, 2016, 14, 1925-1929.	2.8	24
130	Phosphinodifluoroalkylation of alkynes using P(O)H compounds and ethyl difluoroiodoacetate. Organic Chemistry Frontiers, 2017, 4, 2054-2057.	4.5	24
131	Fully Synthetic Invariant NKT Cell-Dependent Self-Adjuvanting Antitumor Vaccines Eliciting Potent Immune Response in Mice. Molecular Pharmaceutics, 2020, 17, 417-425.	4.6	24
132	Zn(OTf)₂-Catalyzed Phosphinylation of Propargylic Alcohols: Access to Î³-Ketophosphine Oxides. Journal of Organic Chemistry, 2017, 82, 11659-11666.	3.2	23
133	Non-covalent interaction between CAâ€“TAT and calf thymus DNA: Deciphering the binding mode by in vitro studies. International Journal of Biological Macromolecules, 2018, 114, 1354-1360.	7.5	23
134	Identification of self-assembly products fromN-phosphoamino acids by electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 1491-1493.	1.5	22
135	Novel flame retardant rigid spirocyclic biphosphate based copolymer gel electrolytes for sodium ion batteries with excellent high-temperature performance. Journal of Materials Chemistry A, 2020, 8, 22962-22968.	10.3	22
136	Novel high phosphorus content phosphaphenanthrene-based efficient flame retardant additives for lithium-ion battery. Journal of Thermal Analysis and Calorimetry, 2014, 117, 319-324.	3.6	21
137	CuSO₄Â·5H₂Oâ€Hâ€Phosphonateâ€Catalyzed Intermolecular Câ€“S Bond Formation: Synthesis of (E)â€Vinyl Alkylsulfones from AlkynesÂ and DMSO. European Journal of Organic Chemistry, 2015, 2015, 314-319.	2.4	21
138	Two new reversible naphthalimideâ€based fluorescent chemosensors for Hg²⁺. Luminescence, 2016, 31, 992-996.	2.9	21
139	Chitosan nanoparticles based nanovaccines for cancer immunotherapy. Pure and Applied Chemistry, 2017, 89, 931-939.	1.9	21
140	Exploring the Roles of Post-Translational Modifications in the Pathogenesis of Parkinsonâ€™s Disease Using Synthetic and Semisynthetic Modified Î±-Synuclein. ACS Chemical Neuroscience, 2019, 10, 910-921.	3.5	21
141	Visible-light-induced denitrogenative phosphorylation of benzotriazinones: a metal- and additive-free method for accessing ortho-phosphorylated benzamide derivatives. Green Chemistry, 2021, 23, 296-301.	9.0	21
142	Phosphoryl transfer reaction of phospho-histidine. Heteroatom Chemistry, 1993, 4, 415-419.	0.7	20
143	Rearrangement of P-N to P-O bonds in mass spectra ofN-diisopropyloxyphosphoryl amino acids/alcohols. Rapid Communications in Mass Spectrometry, 2001, 15, 1936-1940.	1.5	20
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