

Yu-Fen Zhao

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ext. papers

8,475
ext. citations

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6.16
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| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 426 | Copper-catalyzed aerobic oxidative coupling of terminal alkynes with H-phosphonates leading to alkynylphosphonates. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7956-7 | 16.4 | 245 |
| 425 | Lysosomal-Targeted Two-Photon Fluorescent Probe to Sense Hypochlorous Acid in Live Cells. <i>Analytical Chemistry</i> , 2017 , 89, 10384-10390 | 7.8 | 149 |
| 424 | An Inexpensive and Efficient Copper Catalyst for N-Arylation of Amines, Amides and Nitrogen-Containing Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2006 , 348, 2197-2202 | 5.6 | 138 |
| 423 | Copper-catalyzed amidation of sp ³ C-H bonds adjacent to a nitrogen atom. <i>Organic Letters</i> , 2007 , 9, 3813-6 | 5.6 | 130 |
| 422 | General and efficient copper-catalyzed amidation of saturated C-H bonds using N-halosuccinimides as the oxidants. <i>Journal of Organic Chemistry</i> , 2008 , 73, 6207-12 | 4.2 | 102 |
| 421 | 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. <i>Journal of Organic Chemistry</i> , 2010 , 75, 3890-2 | 4.2 | 100 |
| 420 | Catalytic hydroboration of aldehydes, ketones, alkynes and alkenes initiated by NaOH. <i>Green Chemistry</i> , 2017 , 19, 4169-4175 | 10 | 98 |
| 419 | Sequestration of copper from beta-amyloid promotes selective lysis by cyclen-hybrid cleavage agents. <i>Journal of Biological Chemistry</i> , 2008 , 283, 31657-64 | 5.4 | 96 |
| 418 | H-phosphonate-mediated sulfonylation of heteroaromatic N-oxides: a mild and metal-free one-pot synthesis of 2-sulfonyl quinolines/pyridines. <i>Chemical Communications</i> , 2015 , 51, 12111-4 | 5.8 | 94 |
| 417 | Specific Knockdown of Endogenous Tau Protein by Peptide-Directed Ubiquitin-Proteasome Degradation. <i>Cell Chemical Biology</i> , 2016 , 23, 453-61 | 8.2 | 92 |
| 416 | Visible-Light Induced Radical Perfluoroalkylation/Cyclization Strategy To Access 2-Perfluoroalkylbenzothiazoles/Benzoselenazoles by EDA Complex. <i>Organic Letters</i> , 2019 , 21, 4019-4024 | 6.2 | 86 |
| 415 | Copper-catalyzed decarboxylative C-P cross-coupling of alkynyl acids with H-phosphine oxides: a facile and selective synthesis of (E)-1-alkenylphosphine oxides. <i>Organic Letters</i> , 2014 , 16, 4464-7 | 6.2 | 80 |
| 414 | Silver-catalyzed decarboxylative radical cascade cyclization toward benzimidazo[2,1-a]isoquinolin-6(5H)-ones. <i>Chemical Communications</i> , 2019 , 55, 2861-2864 | 5.8 | 78 |
| 413 | Silver catalyzed decarboxylative direct C2-alkylation of benzothiazoles with carboxylic acids. <i>Chemical Communications</i> , 2014 , 50, 2018-20 | 5.8 | 76 |
| 412 | A Cascade Phosphinoylation/Cyclization/Desulfonylation Process for the Synthesis of 3-Phosphinoylindoles. <i>Organic Letters</i> , 2016 , 18, 1242-5 | 6.2 | 75 |
| 411 | Quick and highly efficient copper-catalyzed cycloaddition of aliphatic and aryl azides with terminal alkynes in water. <i>Green Chemistry</i> , 2008 , 10, 452 | 10 | 74 |
| 410 | Copper-Catalyzed Cycloaddition of Sulfonyl Azides with Alkynes to Synthesize N-Sulfonyltriazoles in Water at Room Temperature. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 1830-1834 | 5.6 | 74 |

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| 409 | Oligomerization of N,O-Bis(trimethylsilyl)- α -Amino Acids into Peptides Mediated by o-Phenylene Phosphorochloridate. <i>Journal of the American Chemical Society</i> , 1999 , 121, 291-295 | 16.4 | 74 |
| 408 | tert-Butyl Hydroperoxide Mediated Cascade Synthesis of 3-Arylsulfonylquinolines. <i>Organic Letters</i> , 2016 , 18, 1286-9 | 6.2 | 73 |
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| 406 | A α 2 and A α 40: similarities and differences. <i>Journal of Peptide Science</i> , 2015 , 21, 522-9 | 2.1 | 71 |
| 405 | Palladium(II)-Catalyzed Hydration of Alkynylphosphonates to α -Ketophosphonates. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 2427-2432 | 5.6 | 71 |
| 404 | Synthesis of a diverse series of phosphacoumarins with biological activity. <i>Organic Letters</i> , 2005 , 7, 4919-22 | 7.1 | 71 |
| 403 | Main group metal-ligand cooperation of N-heterocyclic germylene: an efficient catalyst for hydroboration of carbonyl compounds. <i>Chemical Communications</i> , 2016 , 52, 13799-13802 | 5.8 | 69 |
| 402 | Copper-Catalyzed Synthesis of Alkylphosphonates from H-Phosphonates and N-Tosylhydrazones. <i>Advanced Synthesis and Catalysis</i> , 2012 , 354, 2659-2664 | 5.6 | 68 |
| 401 | Vanadium-Catalyzed Enantioselective Sulfoxidation and Concomitant, Highly Efficient Kinetic Resolution Provide High Enantioselectivity and Acceptable Yields of Sulfoxides. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 1933-1936 | 5.6 | 67 |
| 400 | KOH-mediated transition metal-free synthesis of imines from alcohols and amines. <i>Green Chemistry</i> , 2012 , 14, 2384 | 10 | 63 |
| 399 | Phosphorothiolation of Aryl Boronic Acids Using P(O)H Compounds and Elemental Sulfur. <i>Organic Letters</i> , 2016 , 18, 1266-9 | 6.2 | 63 |
| 398 | A Visible-Light-Promoted Metal-Free Strategy towards Arylphosphonates: Organic-Dye-Catalyzed Phosphorylation of Arylhydrazines with Trialkylphosphites. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 4807-4813 | 5.6 | 63 |
| 397 | Direct transformation of amides into α -amino phosphonates via a reductive phosphination process. <i>Organic Letters</i> , 2013 , 15, 4214-7 | 6.2 | 62 |
| 396 | Peroxides as "switches" of dialkyl H-phosphonate: two mild and metal-free methods for preparation of 2-acylbenzothiazoles and dialkyl benzothiazol-2-ylphosphonates. <i>Journal of Organic Chemistry</i> , 2014 , 79, 8407-16 | 4.2 | 61 |
| 395 | Copper-Catalyzed Radical Cascade Cyclization To Access 3-Sulfonated Indenones with the AIE Phenomenon. <i>Journal of Organic Chemistry</i> , 2018 , 83, 14419-14430 | 4.2 | 60 |
| 394 | 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. <i>Organic Letters</i> , 2018 , 20, 6157-6160 | 6.2 | 58 |
| 393 | Recent progress toward organophosphorus compounds based on phosphorus-centered radical difunctionalizations. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017 , 192, 589-596 | 1 | 57 |
| 392 | Phosphorylation induces distinct alpha-synuclein strain formation. <i>Scientific Reports</i> , 2016 , 6, 37130 | 4.9 | 57 |

- 391 Nickel(II)-Magnesium-Catalyzed Cross-Coupling of 1,1-Dibromo-1-alkenes with Diphenylphosphine Oxide: One-Pot Synthesis of (E)-1-Alkenylphosphine Oxides or Bisphosphine Oxides. *Advanced Synthesis and Catalysis*, **2013**, 355, 659-666 5.6 57
- 390 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 5.2 57
- 389 Phosphorus Radical-Initiated Cascade Reaction To Access 2-Phosphoryl-Substituted Quinoxalines. *Journal of Organic Chemistry*, **2018**, 83, 11727-11735 4.2 52
- 388 Visible Light as a Sole Requirement for Intramolecular C(sp)-H Imination. *Organic Letters*, **2017**, 19, 1994-1997 4.9 50
- 387 Cascade Phosphinoylation/Cyclization/Isomerization Process for the Synthesis of 2-Phosphinoyl-9H-pyrrolo[1,2-a]indoles. *Organic Letters*, **2016**, 18, 5712-5715 6.2 50
- 386 A Simple Copper-Catalyzed Cascade Synthesis of 2-Amino-1H-indole-3-carboxylate Derivatives. *Advanced Synthesis and Catalysis*, **2010**, 352, 1033-1038 5.6 50
- 385 Copper-Catalyzed Cycloaddition between Secondary Phosphine Oxides and Alkynes: Synthesis of Benzophosphole Oxides. *Advanced Synthesis and Catalysis*, **2016**, 358, 138-142 5.6 50
- 384 Copper-catalyzed one-pot three-component thioamination of 1,4-naphthoquinone. *Organic Chemistry Frontiers*, **2019**, 6, 1476-1480 5.2 48
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- 375 Iodine-Mediated Sulfonylation of Quinoline N-Oxides: a Mild and Metal-Free One-Pot Synthesis of 2-Sulfonyl Quinolines. *Asian Journal of Organic Chemistry*, **2017**, 6, 492-495 3 43
- 374 A direct metal-free C2(H) functionalization of quinoline N-oxides: a highly selective amination and alkylation strategy towards 2-substituted quinolines. *Organic Chemistry Frontiers*, **2017**, 4, 1595-1600 5.2 42

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| 373 | Ag-mediated cascade decarboxylative coupling and annulation: a convenient route to 2-phosphinobenzo[b]phosphole oxides. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 8221-31 | 3.9 | 42 |
| 372 | Phosphoryl amino acids: Common origin for nucleic acids and protein. <i>Journal of Biological Physics</i> , 1995 , 20, 283-287 | 1.6 | 42 |
| 371 | Novel safer phosphonate-based gel polymer electrolytes for sodium-ion batteries with excellent cycling performance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6559-6564 | 13 | 41 |
| 370 | Phosphoryl group participation leads to peptide formation from N-phosphorylamino acids. <i>International Journal of Peptide and Protein Research</i> , 1992 , 39, 375-81 | | 41 |
| 369 | Applications of H-phosphonates for C element bond formation. <i>Pure and Applied Chemistry</i> , 2019 , 91, 33-41 | 2.1 | 41 |
| 368 | Quantum chemical study of cyclic dipeptides. <i>International Journal of Quantum Chemistry</i> , 2007 , 107, 745-753 | 2.1 | 40 |
| 367 | A fluorescence ratiometric chemosensor for Fe ³⁺ based on TBET and its application in living cells. <i>Talanta</i> , 2014 , 128, 69-74 | 6.2 | 39 |
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| 365 | Synthesis of Tn/T Antigen MUC1 Glycopeptide BSA Conjugates and Their Evaluation as Vaccines. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 3685-3689 | 3.2 | 38 |
| 364 | Consecutive visible-light photoredox decarboxylative couplings of adipic acid active esters with alkynyl sulfones leading to cyclic compounds. <i>Chemical Communications</i> , 2016 , 52, 8862-4 | 5.8 | 37 |
| 363 | Simultaneous formation of peptides and nucleotides from N-phosphothreonine. <i>Origins of Life and Evolution of Biospheres</i> , 1996 , 26, 547-60 | 1.5 | 37 |
| 362 | Three N-stabilized rhodamine-based fluorescent probes for Al ³⁺ via Al ³⁺ -promoted hydrolysis of Schiff bases. <i>New Journal of Chemistry</i> , 2015 , 39, 342-348 | 3.6 | 36 |
| 361 | A highly sensitive and selective turn-on fluorescent probe for sulfite and its application in biological imaging. <i>New Journal of Chemistry</i> , 2015 , 39, 6284-6288 | 3.6 | 36 |
| 360 | Copper-Catalyzed Phosphonation-Annulation Approaches to the Synthesis of β -Phosphonotetrahydrofurans Involving C-P and C-O Bonds Formation. <i>Journal of Organic Chemistry</i> , 2015 , 80, 11398-406 | 4.2 | 35 |
| 359 | Mn(OAc) ₃ -mediated synthesis of β -hydroxyphosphonates from P(O)H ₂ compounds and alkenes. <i>RSC Advances</i> , 2014 , 4, 51776-51779 | 3.7 | 35 |
| 358 | H-Phosphonate-Mediated Amination of Quinoline N-Oxides with Tertiary Amines: A Mild and Metal-Free Synthesis of 2-Dialkylaminoquinolines. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 1979-1985 ^{5,6} | | 35 |
| 357 | A new FRET ratiometric fluorescent chemosensor for Hg ²⁺ and its application in living EC 109 cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 139, 549-54 | 4.4 | 35 |
| 356 | Self-activation of N-phosphoamino acids and N-phosphodipeptides in oligopeptide formation. <i>International Journal of Peptide and Protein Research</i> , 1995 , 45, 514-8 | | 34 |

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- 354 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 5.2 32
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- 344 Two-dimensional countercurrent chromatography \parallel high performance liquid chromatography for preparative isolation of toad venom. *Journal of Chromatography A*, **2014**, 1331, 80-9 4.5 28
- 343 Synthesis of Novel Biomimetic Zwitterionic Phosphorylcholine-Bound Chitosan Derivative. *Macromolecular Rapid Communications*, **2006**, 27, 548-552 4.8 28
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- 327 Prebiotic formation of cyclic dipeptides under potentially early Earth conditions. *Scientific Reports*, **2018**, 8, 936 4.9 24
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- 322 Experimental and theoretical studies on nickelzinc-catalyzed cross-coupling of gem-dibromoalkenes with P(O)H compounds. *RSC Advances*, **2014**, 4, 2322-2326 3.7 22
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- 318 Reductive stress imaging in the endoplasmic reticulum by using living cells and zebrafish. *Chemical Communications*, **2019**, 55, 9629-9632 5.8 21
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- 312 ESI-MS study on the fragmentation of protonated cyclic-dipeptides. *Spectroscopy*, **2009**, 23, 131-139 19
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| 296 | Chitosan nanoparticles based nanovaccines for cancer immunotherapy. <i>Pure and Applied Chemistry</i> , 2017 , 89, 931-939 | 2.1 | 16 |
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| 294 | Intermolecular Phosphoryl Transfer of N-Phosphoryl Amino Acids. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 3220-3228 | 3.2 | 16 |
| 293 | PHOSPHORYL PROMOTION AND DIFFERENTIATION EFFECT ON AMINO ACIDS AND PREBIOTIC SYNTHESIS OF PROTEIN. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1995 , 101, 117-123 | 1 | 16 |
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