Jun Yong Kang

List of Publications by Citations

28 papers	504 citations	14 h-index	22 g-index
38 ext. papers	597 ext. citations	5.2 avg, IF	4.47 L-index

#	Paper	IF	Citations
28	Primary amine, thiourea-based dual catalysis motif for synthesis of stereogenic, all-carbon quaternary center-containing cycloalkanones. *Organic Letters*, **2012**, 14, 3178-81	6.2	47
27	Synthesis of Diaryl Diazaphosphonates via 1,6-Hydrophosphonylation of p-Quinone Methides with N-Heterocyclic Phosphine-Thioureas. *Organic Letters*, **2017**, 19, 958-961	6.2	43
26	Direct Aryloxylation/Alkyloxylation of Dialkyl Phosphonates for the Synthesis of Mixed Phosphonates. *Angewandte Chemie - International Edition*, **2018**, 57, 6624-6628	16.4	37
25	Synthesis of substituted acetylenic epoxides followed by indium-catalyzed rearrangement to 2,3,5-trisubstituted furans. *Journal of Organic Chemistry*, **2011**, 76, 2379-83	4.2	33
24	TfO-Promoted Activating Strategy of Phosphate Analogues: Synthesis of Mixed Phosphates and Phosphinate. *Organic Letters*, **2018**, 20, 4938-4941	6.2	31
23	Base-controlled Fe(Pc)-catalyzed aerobic oxidation of thiols for the synthesis of S-S and S-P(O) bonds. *Organic and Biomolecular Chemistry*, **2018**, 16, 4236-4242	3.9	30
22	Conversion of nitrosobenzenes to isoxazolidines: an efficient cascade process utilizing reactive nitrone intermediates. *Chemical Communications*, **2008**, 3522-4	5.8	29
21	Organocatalytic Phosphonylation of in Situ Formed o-Quinone Methides. *Organic Letters*, **2017**, 19, 5988-5991	6.2	23
20	Chromium-catalyzed homoaldol equivalent reaction employing a nucleophilic propenyl acetate. *Journal of the American Chemical Society*, **2010**, 132, 7826-7	16.4	23
19	Mitsunobu Reaction Using Basic Amines as Pronucleophiles. *Journal of Organic Chemistry*, **2017**, 82, 6604-6614	4.6	22
18	Utility of Bifunctional N-Heterocyclic Phosphine (NHP)-Thioureas for Metal-Free Carbon-Phosphorus Bond Construction toward Regio- and Stereoselective Formation of Vinylphosphonates. *Journal of Organic Chemistry*, **2016**, 81, 77-88	4.2	19
17	Palladium-catalyzed alkynylation of secondary α-bromo carbonyl compounds via Stille coupling. *Journal of Organic Chemistry*, **2011**, 76, 6856-9	4.2	18
16	Construction of Stereogenic α,α-Disubstituted Cycloalkanones via 1°-Amine Thiourea Dual Catalysis: Experimental Scope and Computational Analyses. *Journal of Organic Chemistry*, **2016**, 81, 3629-37	4.2	16
15	Regio- and Stereoselective Hydrophosphorylation of Ynamides for the Synthesis of α-Aminovinylphosphine Oxides. *Organic Letters*, **2018**, 20, 2778-2781	6.2	15
14	Catalyst-free synthesis of 3-oxindole-3-hydroxyphosphonates via phospha-aldol reaction of isatins employing N-heterocyclic phosphine (NHP)-thiourea. *Organic and Biomolecular Chemistry*, **2016**, 14, 8952-8956	3.9	14
13	Phospha-Michael addition reaction of maleimides employing N-heterocyclic phosphine-thiourea as a phosphonylation reagent: synthesis of 1-aryl-2,5-dioxopyrrolidine-3-yl-phosphonate derivatives. *Organic and Biomolecular Chemistry*, **2016**, 14, 10695-10704	3.9	14
12	Direct Aryloxylation/Alkyloxylation of Dialkyl Phosphonates for the Synthesis of Mixed Phosphonates. *Angewandte Chemie*, **2018**, 130, 6734-6738	3.6	14

List of Publications

11	Amine-Catalyzed Phospha-Michael Reaction of α,β-Unsaturated Aldehydes and Ketones with Multifunctional N-Heterocyclic Phosphine-Thioureas as Phosphonylation Reagent. *Organic Letters*, **2016**, 18, 4372-5	6.2	13
10	1,3,2-Diazaphospholidine (N-Heterocyclic Phosphine)-Mediated Carbon-Phosphorus Bond-Forming, One-Pot Tandem Reaction: A Route to α-Amino Phosphonates. *Journal of Organic Chemistry*, **2016**, 81, 4550-8	4.2	12
9	A Reagent-Controlled Phospha-Michael Addition Reaction of Nitroalkenes with Bifunctional N-Heterocyclic Phosphine (NHP)-Thioureas. *Journal of Organic Chemistry*, **2016**, 81, 11932-11939	4.2	11
8	Oxidation-Reduction Condensation of Diazaphosphites for Carbon-Heteroatom Bond Formation Based on Mitsunobu Mechanism. *Organic Letters*, **2017**, 19, 544-547	6.2	9
7	Metal- and chloride reagent-free synthesis of mixed thiophosphates. *Organic and Biomolecular Chemistry*, **2019**, 17, 3812-3818	3.9	6
6	Regioselective Synthesis of α- and β-Amino Quinolinyl Phosphonamides Using N-Heterocyclic Phosphines (NHPs). *Organic Letters*, **2018**, 20, 700-703	6.2	6
5	Proline Sulfonamide-Catalyzed, Domino Process for Asymmetric Synthesis of Amino- and Hydroxy-Substituted Bicyclo[2.2.2]octanes. *European Journal of Organic Chemistry*, **2016**, 2016, 150-157	3.2	6
4	New Strategies for Activation of Phosphonates/Phosphates to Forge Functional Phosphorus Compounds. *Synlett*, **2019**, 30, 635-641	2.2	5
3	Oxidative Dehydrosulfurative Cross-Coupling of 3,4-Dihydropyrimidine-2-thiones with Alkynes for Access to 2-Alkynylpyrimidines. *Journal of Organic Chemistry*, **2020**, 85, 5087-5096	4.2	5
2	Selective hydrolysis of phosphorus(V) compounds to form organophosphorus monoacids. *Organic and Biomolecular Chemistry*, **2021**, 19, 6007-6014	3.9	0
1	One-pot synthesis of phosphorodiamidothioates using N-heterocyclic phosphine (NHP)-thiourea. *Tetrahedron Letters*, **2018**, 59, 2296-2298	2	