

# Jun Yong Kang

## 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.

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	Selective hydrolysis of phosphorus(V) compounds to form organophosphorus monoacids. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 6007-6014	3.9	0
27	Oxidative Dehydrosulfurative Cross-Coupling of 3,4-Dihydropyrimidine-2-thiones with Alkynes for Access to 2-Alkynylpyrimidines. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 5087-5096	4.2	5
26	New Strategies for Activation of Phosphonates/Phosphates to Forge Functional Phosphorus Compounds. <i>Synlett</i> , <b>2019</b> , 30, 635-641	2.2	5
25	Metal- and chloride reagent-free synthesis of mixed thiophosphates. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 3812-3818	3.9	6
24	Regio- and Stereoselective Hydrophosphorylation of Ynamides for the Synthesis of $\beta$ -Aminovinylphosphine Oxides. <i>Organic Letters</i> , <b>2018</b> , 20, 2778-2781	6.2	15
23	Direct Aryloxylation/Alkyloxylation of Dialkyl Phosphonates for the Synthesis of Mixed Phosphonates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6624-6628	16.4	37
22	Regioselective Synthesis of $\beta$ - and $\beta$ -Amino Quinolinyl Phosphoramides Using N-Heterocyclic Phosphines (NHPs). <i>Organic Letters</i> , <b>2018</b> , 20, 700-703	6.2	6
21	One-pot synthesis of phosphorodiamidothioates using N-heterocyclic phosphine (NHP)-thiourea. <i>Tetrahedron Letters</i> , <b>2018</b> , 59, 2296-2298	2	
20	TfO-Promoted Activating Strategy of Phosphate Analogues: Synthesis of Mixed Phosphates and Phosphinate. <i>Organic Letters</i> , <b>2018</b> , 20, 4938-4941	6.2	31
19	Direct Aryloxylation/Alkyloxylation of Dialkyl Phosphonates for the Synthesis of Mixed Phosphonates. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6734-6738	3.6	14
18	Base-controlled Fe(Pc)-catalyzed aerobic oxidation of thiols for the synthesis of S-S and S-P(O) bonds. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 4236-4242	3.9	30
17	Oxidation-Reduction Condensation of Diazaphosphites for Carbon-Heteroatom Bond Formation Based on Mitsunobu Mechanism. <i>Organic Letters</i> , <b>2017</b> , 19, 544-547	6.2	9
16	Synthesis of Diaryl Diazaphosphonates via 1,6-Hydrophosphonylation of p-Quinone Methides with N-Heterocyclic Phosphine-Thioureas. <i>Organic Letters</i> , <b>2017</b> , 19, 958-961	6.2	43
15	Mitsunobu Reaction Using Basic Amines as Pronucleophiles. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 6604-6614	4.6	22
14	Organocatalytic Phosphonylation of in Situ Formed o-Quinone Methides. <i>Organic Letters</i> , <b>2017</b> , 19, 5988-5991	6.2	23
13	Amine-Catalyzed Phospha-Michael Reaction of $\beta$ -Unsaturated Aldehydes and Ketones with Multifunctional N-Heterocyclic Phosphine-Thioureas as Phosphonylation Reagent. <i>Organic Letters</i> , <b>2016</b> , 18, 4372-5	6.2	13
12	Catalyst-free synthesis of $\beta$ -indole- $\beta$ -hydroxyphosphonates via phospha-aldol reaction of isatins employing N-heterocyclic phosphine (NHP)-thiourea. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 8952-8956	3.9	14

11	A Reagent-Controlled Phospha-Michael Addition Reaction of Nitroalkenes with Bifunctional N-Heterocyclic Phosphine (NHP)-Thioureas. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 11932-11939	4.2	11
10	Phospha-Michael addition reaction of maleimides employing N-heterocyclic phosphine-thiourea as a phosphorylation reagent: synthesis of 1-aryl-2,5-dioxopyrrolidine-3-yl-phosphonate derivatives. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 10695-10704	3.9	14
9	Utility of Bifunctional N-Heterocyclic Phosphine (NHP)-Thioureas for Metal-Free Carbon-Phosphorus Bond Construction toward Regio- and Stereoselective Formation of Vinylphosphonates. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 77-88	4.2	19
8	Construction of Stereogenic $\beta$ -Disubstituted Cycloalkanones via 1 $\beta$ -Amine Thiourea Dual Catalysis: Experimental Scope and Computational Analyses. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 3629-37	4.2	16
7	1,3,2-Diazaphospholidine (N-Heterocyclic Phosphine)-Mediated Carbon-Phosphorus Bond-Forming, One-Pot Tandem Reaction: A Route to $\beta$ -Amino Phosphonates. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 4550-8	4.2	12
6	Proline Sulfonamide-Catalyzed, $\beta$ -Domino Process for Asymmetric Synthesis of Amino- and Hydroxy-Substituted Bicyclo[2.2.2]octanes. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 150-157	3.2	6
5	Primary amine, thiourea-based dual catalysis motif for synthesis of stereogenic, all-carbon quaternary center-containing cycloalkanones. <i>Organic Letters</i> , <b>2012</b> , 14, 3178-81	6.2	47
4	Synthesis of substituted acetylenic epoxides followed by indium-catalyzed rearrangement to 2,3,5-trisubstituted furans. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 2379-83	4.2	33
3	Palladium-catalyzed alkynylation of secondary $\beta$ -bromo carbonyl compounds via Stille coupling. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 6856-9	4.2	18
2	Chromium-catalyzed homoaldol equivalent reaction employing a nucleophilic propenyl acetate. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 7826-7	16.4	23
1	Conversion of nitrosobenzenes to isoxazolidines: an efficient cascade process utilizing reactive nitron intermediates. <i>Chemical Communications</i> , <b>2008</b> , 3522-4	5.8	29