Ohyun Kwon

List of Publications by Year
in descending order

88 papers	7,742 citations	61984 43 h-index	53230 85 g-index
99 all docs	99 docs citations	99 times ranked	3996 citing authors

#	Article	IF	Citations
1	Phosphorus-Based Catalysis. ACS Central Science, 2021, 7, 536-558.	11.3	157
2	Unified Approach to Furan Natural Products via Phosphineâ€Palladium Catalysis. Angewandte Chemie - International Edition, 2021, 60, 8874-8881.	13.8	35
3	Unified Approach to Furan Natural Products via Phosphineâ€Palladium Catalysis. Angewandte Chemie, 2021, 133, 8956-8963.	2.0	4
4	Cardiac-specific deletion of voltage dependent anion channel 2 leads to dilated cardiomyopathy by altering calcium homeostasis. Nature Communications, 2021, 12, 4583.	12.8	24
5	Nucleophilic Phosphine Catalysis: The Untold Story. Asian Journal of Organic Chemistry, 2021, 10, 2699-2708.	2.7	26
6	Oxodealkenylative Cleavage of Alkene C(sp³)â^’C(sp²) Bonds: A Practical Method for Introducing Carbonyls into Chiral Pool Materials. Angewandte Chemie - International Edition, 2020, 59, 1211-1215.	13.8	17
7	Oxodealkenylative Cleavage of Alkene C(sp³)â^’C(sp²) Bonds: A Practical Method for Introducing Carbonyls into Chiral Pool Materials. Angewandte Chemie, 2020, 132, 1227-1231.	2.0	5
8	Dealkenylative Alkenylation: Formal Ïƒâ€Bond Metathesis of Olefins. Angewandte Chemie, 2020, 132, 17718-17724.	2.0	3
9	Dealkenylative Alkenylation: Formal Ïƒâ€Bond Metathesis of Olefins. Angewandte Chemie - International Edition, 2020, 59, 17565-17571.	13.8	24
10	The antiarrhythmic compound efsevin directly modulates voltageâ€dependent anion channel 2 by binding to its inner wall and enhancing mitochondrial Ca 2+ uptake. British Journal of Pharmacology, 2020, 177, 2947-2958.	5.4	15
11	Phosphineâ€Catalyzed (4+1) Annulation: Rearrangement of Allenylic Carbamates to 3â€Pyrrolines through Phosphonium Diene Intermediates. ChemCatChem, 2020, 12, 4352-4372.	3.7	8
12	Dealkenylative Thiylation of C(sp³)â€“C(sp²) Bonds. Organic Letters, 2019, 21, 8592-8597.	4.6	25
13	Phosphine-promoted [4 + 3] annulation of allenoate with aziridines for synthesis of tetrahydroazepines: phosphine-dependent [3 + 3] and [4 + 3] pathways. RSC Advances, 2019, 9, 1214-1221.	3.6	9
14	Phosphine-Catalyzed Î±-Umpolungâ€“Aldol Reaction for the Synthesis of Benzo[b]azapin-3-ones. Organic Letters, 2019, 21, 5143-5146.	4.6	33
15	Catalytic Asymmetric Staudingerâ€“aza-Wittig Reaction for the Synthesis of Heterocyclic Amines. Journal of the American Chemical Society, 2019, 141, 9537-9542.	13.7	60
16	Hydrodealkenylative C(sp ³)â€“C(sp ²) bond fragmentation. Science, 2019, 364, 681-685.	12.6	75
17	Chiral aminophosphines derived from hydroxyproline and their application in alleneâ€“imine [4â€‰+â€‰2] annulation. Journal of Antibiotics, 2019, 72, 389-396.	2.0	3
18	Discussion Addendum for: Phosphine-Catalyzed [4 + 2] Annulation: Synthesis of Ethyl 6-Phenyl-1-tosyl-1,2,5,6-tetrahydropyridine-3-carboxylate. Organic Syntheses, 2019, 96, 110-123.	1.0	1

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19	Bridged [2.2.1] bicyclic phosphine oxide facilitates catalytic Î³-umpolung additionâ€“Wittig olefination. Chemical Science, 2018, 9, 1867-1872.	7.4	48
20	Carvone-Derived P-Stereogenic Phosphines: Design, Synthesis, and Use in Alleneâ€“Imine [3 + 2] Annulation. ACS Catalysis, 2018, 8, 5188-5192.	11.2	49
21	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. ACS Central Science, 2018, 4, 1727-1741.	11.3	32
22	Phosphine Organocatalysis. Chemical Reviews, 2018, 118, 10049-10293.	47.7	704
23	Catalytic Enantioselective Synthesis of Guvacine Derivatives through [4 + 2] Annulations of Imines with Î±-Methylallenoates. Organic Letters, 2018, 20, 6089-6093.	4.6	28
24	Synthesis of Cyclic Î²-Silylalkenyl Triflates via an Alkenyl Cation Intermediate. Organic Letters, 2018, 20, 5474-5477.	4.6	3
25	Identifying genes required for the use of pâ€coumarate in coenzyme Q biosynthesis in Saccharomyces cerevisiae. FASEB Journal, 2018, 32, .	0.5	0
26	Suppression of Arrhythmia by EnhancingÂMitochondrial Ca2+ Uptake inÂCatecholaminergic Ventricular Tachycardia Models. JACC Basic To Translational Science, 2017, 2, 737-747.	4.1	35
27	Intramolecular Crossed [2+2] Photocycloaddition through Visible Light-Induced Energy Transfer. Journal of the American Chemical Society, 2017, 139, 9807-9810.	13.7	103
28	Phosphine-Catalyzed Intramolecular Cyclizations of Î±-Nitroethylallenoates Forming (<i>Z</i>)-Furanone Oximes. Organic Letters, 2016, 18, 2954-2957.	4.6	19
29	Catalytic Asymmetric Total Synthesis of (âˆ’)-Actinophyllic Acid. Journal of the American Chemical Society, 2016, 138, 3298-3301.	13.7	113
30	Nazarov cyclization of 1,4-pentadien-3-ols: preparation of cyclopenta[b]indoles and spiro[indene-1,4â€²-quinoline]s. Chemical Communications, 2016, 52, 2811-2814.	4.1	29
31	Jagged1 Instructs Macrophage Differentiation in Leprosy. PLoS Pathogens, 2016, 12, e1005808.	4.7	32
32	Nucleophilic Chiral Phosphines: Powerful and Versatile Catalysts for Asymmetric Annulations. Aldrichimica Acta, 2016, 49, 3-13.	4.0	43
33	Nanoformulation of Geranylgeranyltransferase-I Inhibitors for Cancer Therapy: Liposomal Encapsulation and pH-Dependent Delivery to Cancer Cells. PLoS ONE, 2015, 10, e0137595.	2.5	9
34	Stereoselective syntheses of Î±,Î²-unsaturated Î³-amino esters through phosphine-catalyzed Î³-umpolung additions of sulfonamides to Î³-substituted allenoates. Tetrahedron Letters, 2015, 56, 3273-3276.	1.4	21
35	Functionalized Î±,Î±-Dibromo Esters through Claisen Rearrangements of Dibromoketene Acetals. Organic Letters, 2015, 17, 1054-1057.	4.6	7
36	Selective Inhibitor of Platelet-Activating Factor Acetylhydrolases 1b2 and 1b3 That Impairs Cancer Cell Survival. ACS Chemical Biology, 2015, 10, 925-932.	3.4	39

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37	Synthesis of Functionalized Alkylidene Indanes and Indanones through Tandem Phosphineâ€"Palladium Catalysis. Organic Letters, 2015, 17, 2058-2061.	4.6	33
38	Phosphine-Mediated Iterative Arene Homologation Using Allenes. Journal of the American Chemical Society, 2015, 137, 11258-11261.	13.7	40
39	Mitochondrial Ca2+ uptake by the voltage-dependent anion channel 2 regulates cardiac rhythmicity. ELife, 2015, 4, .	6.0	67
40	Chiral phosphines in nucleophilic organocatalysis. Beilstein Journal of Organic Chemistry, 2014, 10, 2089-2121.	2.2	258
41	Phosphine catalysis of allenes with electrophiles. Chemical Society Reviews, 2014, 43, 2927-2940.	38.1	470
42	Hydroxyproline-Derived Pseudoenantiomeric [2.2.1] Bicyclic Phosphines: Asymmetric Synthesis of (+)- and (âˆ')-Pyrrolines. Journal of the American Chemical Society, 2014, 136, 11890-11893.	13.7	166
43	Phosphineâ€Initiated Generalâ€Baseâ€Catalyzed Quinolone Synthesis. Asian Journal of Organic Chemistry, 2014, 3, 453-457.	2.7	12
44	In vitro and in vivo effects of geranylgeranyltransferase I inhibitor P61A6 on non-small cell lung cancer cells. BMC Cancer, 2013, 13, 198.	2.6	28
45	Advances in nucleophilic phosphine catalysis of alkenes, allenes, alkynes, and MBHADs. Chemical Communications, 2013, 49, 11588.	4.1	379
46	Synthesis of nitrodienes, nitrostyrenes, and nitrobiaryls through palladium-catalyzed couplings of Î²-nitrovinyl and o-nitroaryl thioethers. Chemical Science, 2013, 4, 2670.	7.4	29
47	Flow Cytometry Enables a High-Throughput Homogeneous Fluorescent Antibody-Binding Assay for Cytotoxic T Cell Lytic Granule Exocytosis. Journal of Biomolecular Screening, 2013, 18, 420-429.	2.6	17
48	A Torquoselective 6Ï€ Electrocyclization Approach to Reserpine Alkaloids. Organic Letters, 2012, 14, 5388-5391.	4.6	66
49	Phosphine/Palladium-Catalyzed Syntheses of Alkylidene Phthalans, 3-Deoxyisoochracinic Acid, Isoochracinic Acid, and Isoochracinol. Organic Letters, 2012, 14, 3264-3267.	4.6	56
50	Total Synthesis of (Â±)-Hirsutine: Application of Phosphine-Catalyzed Imineâ€"Allene [4 + 2] Annulation. Organic Letters, 2012, 14, 4634-4637.	4.6	75
51	One-Pot Phosphine-Catalyzed Syntheses of Quinolines. Journal of Organic Chemistry, 2012, 77, 8257-8267.	3.2	84
52	Phosphine-catalyzed intramolecular Î³-umpolung addition of Î±-aminoalkylallenic esters: facile synthesis of 3-carbethoxy-2-alkyl-3-pyrrolines. Chemical Communications, 2012, 48, 5373.	4.1	31
53	Chiral Aminophosphines as Catalysts for Enantioselective Double-Michael Indoline Syntheses. Molecules, 2012, 17, 5626-5650.	3.8	24
54	Enantioselective total synthesis of (+)-ibophyllidine via an asymmetric phosphine-catalyzed [3 + 2] annulation. Chemical Science, 2012, 3, 2510.	7.4	125

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55	Phosphineâ€Catalyzed [3+2] and [4+3]â€‰Annulation Reactions of C,Nâ€Cyclic Azomethine Imines with Allenoates. Advanced Synthesis and Catalysis, 2012, 354, 1023-1034.	4.3	110
56	Phosphine-Initiated General Base Catalysis: Facile Access to Benzannulated 1,3-Diheteroatom Five-Membered Rings via Double-Michael Reactions of Allenes. Organic Letters, 2011, 13, 5420-5423.	4.6	79
57	Phosphine-Catalyzed Î²â€²-Umpolung Addition of Nucleophiles to Activated Î±-Alkyl Allenes. Organic Letters, 2011, 13, 2586-2589.	4.6	59
58	Phosphine-Catalyzed Annulations of Azomethine Imines: Allene-Dependent [3 + 2], [3 + 3], [4 + 3], and [3 + 2 + 3] Pathways. Journal of the American Chemical Society, 2011, 133, 13337-13348.	13.7	296
59	Identification and Characterization of Mechanism of Action of P61-E7, a Novel Phosphine Catalysis-Based Inhibitor of Geranylgeranyltransferase-I. PLoS ONE, 2011, 6, e26135.	2.5	17
60	Diversity-Oriented Synthesis Based on the DPPP-Catalyzed Mixed Double-Michael Reactions of Electron-Deficient Acetylenes and Î²-Amino Alcohols. Molecules, 2011, 16, 3802-3825.	3.8	24
61	Phosphineâ€Catalyzed [4+2] Annulations of 2â€Alkylallenoates and Olefins: Synthesis of Multisubstituted Cyclohexenes. Chemistry - an Asian Journal, 2011, 6, 2101-2106.	3.3	53
62	Diversity Through a Branched Reaction Pathway: Generation of Multicyclic Scaffolds and Identification of Antimigratory Agents. Chemistry - A European Journal, 2011, 17, 649-654.	3.3	57
63	Diversity through phosphine catalysis identifies octahydro-1,6-naphthyridin-4-ones as activators of endothelium-driven immunity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6769-6774.	7.1	43
64	Aplexone targets the HMG-CoA reductase pathway and differentially regulates arteriovenous angiogenesis. Development (Cambridge), 2011, 138, 1173-1181.	2.5	59
65	Phosphineâ€Catalyzed [3 + 2] Annulation: Synthesis of Ethyl 5â€(<i>tert</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (â€		4
66	Equilibrium between a vinylogous ylide and a phosphonium dienolate zwitterion: vinylogous Wittig olefination versus vinylogous aldol-type reaction. Tetrahedron, 2010, 66, 4760-4768.	1.9	41
67	Diphosphine-Catalyzed Mixed Double-Michael Reaction: A Unified Synthesis of Indolines, Dihydropyrrolopyridines, Benzimidazolines, Tetrahydroquinolines, Tetrahydroisoquinolines, Dihydrobenzo-1,4-oxazines, and Dihydrobenzo-3,1-oxazines. Organic Letters, 2010, 12, 1084-1087.	4.6	69
68	<i>In vivo</i> antitumor effect of a novel inhibitor of protein geranylgeranyltransferase-I. Molecular Cancer Therapeutics, 2009, 8, 1218-1226.	4.1	72
69	Phosphine-Promoted [3 + 3] Annulations of Aziridines With Allenoates: Facile Entry Into Highly Functionalized Tetrahydropyridines. Journal of the American Chemical Society, 2009, 131, 6318-6319.	13.7	195
70	Phosphineâ€Catalyzed [4+2] Annulation: Synthesis of Ethyl 6â€Phenylâ€1â€Tosylâ€1,2,5,6â€Tetrahydropyridineâ€3â€Carboxylate. , 2009, 2009, 212-224.		15
71	Highly efficient palladium-catalyzed hydrostannation of ethyl ethynyl ether. Tetrahedron Letters, 2008, 49, 7097-7099.	1.4	9
72	Theory-guided design of BrÃ¸nsted acid-assisted phosphine catalysis: synthesis of dihydropyrones from aldehydes and allenoates. Tetrahedron, 2008, 64, 6935-6942.	1.9	50

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73	Alcohol-Assisted Phosphine Catalysis:â€‰ One-Step Syntheses of Dihydropyrones from Aldehydes and Allenoates. Organic Letters, 2008, 10, 429-432.	4.6	119
74	Inhibitors of Protein Geranylgeranyltransferase I and Rab Geranylgeranyltransferase Identified from a Library of Allenoate-derived Compounds. Journal of Biological Chemistry, 2008, 283, 9571-9579.	3.4	79
75	Bisphosphine-Catalyzed Mixed Double-Michael Reactions:Â Asymmetric Synthesis of Oxazolidines, Thiazolidines, and Pyrrolidines. Journal of the American Chemical Society, 2007, 129, 12928-12929.	13.7	153
76	Stable Tetravalent Phosphonium Enolate Zwitterions. Journal of the American Chemical Society, 2007, 129, 6722-6723.	13.7	140
77	Phosphine-Catalyzed [4 + 2] Annulation:â€‰ Synthesis of Cyclohexenes. Journal of the American Chemical Society, 2007, 129, 12632-12633.	13.7	318
78	Small-Molecule Inhibitors of Protein Geranylgeranyltransferase Type I. Journal of the American Chemical Society, 2007, 129, 5843-5845.	13.7	196
79	Phosphine-Catalyzed Synthesis of Highly Functionalized Coumarins. Organic Letters, 2007, 9, 3069-3072.	4.6	163
80	Phosphine triggered [3+2] allenoateâ€"acrylate annulation: a mechanistic enlightenment. Tetrahedron Letters, 2007, 48, 3617-3620.	1.4	172
81	Theoretical Rationale for Regioselection in Phosphine-Catalyzed Allenoate Additions to Acrylates, Imines, and Aldehydes. Organic Letters, 2006, 8, 3643-3646.	4.6	143
82	A highly diastereoselective synthesis of 3-carbethoxy-2,5-disubstituted-3-pyrrolines by phosphine catalysis. Tetrahedron, 2005, 61, 6276-6282.	1.9	118
83	Phosphine-Catalyzed Synthesis of 1,3-Dioxan-4-ylidenes. Organic Letters, 2005, 7, 1387-1390.	4.6	146
84	An Application of the Phosphine-Catalyzed [4 + 2] Annulation in Indole Alkaloid Synthesis:â€‰ Formal Syntheses of (Â±)-Alstonerine and (Â±)-Macroline. Organic Letters, 2005, 7, 4289-4291.	4.6	196
85	Phosphine-Catalyzed Synthesis of 6-Substituted 2-Pyrones:â€‰ Manifestation ofE/Z-Isomerism in the Zwitterionic Intermediate. Organic Letters, 2005, 7, 2977-2980.	4.6	158
86	A concise synthesis of the functionalized [5â€"7â€"6] tricyclic skeleton of guanacastepene A. Tetrahedron Letters, 2004, 45, 8843-8846.	1.4	16
87	An Expedient Phosphine-Catalyzed [4 + 2] Annulation:â€‰ Synthesis of Highly Functionalized Tetrahydropyridines. Journal of the American Chemical Society, 2003, 125, 4716-4717.	13.7	436
88	Skeletal Diversity via a Branched Pathway:Â Efficient Synthesis of 29Â400 Discrete, Polycyclic Compounds and Their Arraying into Stock Solutions. Journal of the American Chemical Society, 2002, 124, 13402-13404.	13.7	124