

Zhengjie He

List of Publications by Year in descending order

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81
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2,679
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126907

33
h-index

197818

49
g-index

95
all docs

95
docs citations

95
times ranked

1751
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphine-Catalyzed [4 + 1] Annulation between $\hat{1}\pm, \hat{1}^2$ -Unsaturated Imines and Allylic Carbonates: Synthesis of 2-Pyrrolines. <i>Journal of Organic Chemistry</i> , 2011, 76, 2374-2378.	3.2	121
2	Phosphane-Catalyzed [3+2] Annulation of Allenates with Aldehydes: A Simple and Efficient Synthesis of 2-Alkylidene-tetrahydrofurans. <i>Chemistry - A European Journal</i> , 2009, 15, 8698-8702.	3.3	113
3	Wittig Olefination between Phosphine, Aldehyde, and Allylic Carbonate: A General Method for Stereoselective Synthesis of Trisubstituted 1,3-Dienes with Highly Variable Substituents. <i>Organic Letters</i> , 2010, 12, 976-979.	4.6	95
4	Recent advances in stoichiometric phosphine-mediated organic synthetic reactions. <i>RSC Advances</i> , 2013, 3, 16885.	3.6	95
5	Phosphine-Catalyzed Cascade [3 + 2] Cyclization~Allylic Alkylation, [2 + 2 + 1] Annulation, and [3 + 2] Cyclization Reactions between Allylic Carbonates and Enones. <i>Organic Letters</i> , 2011, 13, 580-583.	4.6	87
6	Diastereoselective Synthesis of Functionalized Spirocyclopropyl Oxindoles via P(NMe ₂) ₃ -Mediated Reductive Cyclopropanation. <i>Journal of Organic Chemistry</i> , 2014, 79, 10709-10715.	3.2	72
7	1,3,5-Triaza-7-phosphaadamantane (PTA): A Practical and Versatile Nucleophilic Phosphine Organocatalyst. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 2007-2017.	4.3	70
8	Nucleophilic phosphine-catalyzed [3+2] cycloaddition of allenes with N-(thio)phosphoryl imines and acidic methanolysis of adducts N-(thio)phosphoryl 3-pyrrolines: a facile synthesis of free amine 3-pyrrolines. <i>Tetrahedron</i> , 2008, 64, 9471-9479.	1.9	70
9	Phosphine-catalyzed [3+2] annulation of $\hat{1}\pm$ -substituted allenates with ester-activated $\hat{1}\pm, \hat{1}^2$ -unsaturated imines: a novel variation of the Lu [3+2] cycloaddition reaction. <i>Chemical Communications</i> , 2013, 49, 2058.	4.1	65
10	⁶⁴ Cu-Labeled Triphenylphosphonium and Triphenylarsonium Cations as Highly Tumor-Selective Imaging Agents. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5057-5069.	6.4	61
11	Phosphine-Triggered Tandem Annulation between Morita-Baylis-Hillman Carbonates and Dinucleophiles: Facile Syntheses of Oxazepanes, Thiazepanes, and Diazepanes. <i>Organic Letters</i> , 2012, 14, 6134-6137.	4.6	61
12	P(NMe ₂) ₃ -mediated reductive [1+4] annulation of isatins with enones: a facile synthesis of spirooxindole-dihydrofurans. <i>Chemical Communications</i> , 2015, 51, 14663-14666.	4.1	61
13	Phosphine-Mediated Olefination between Aldehydes and Allenes: An Efficient Synthesis of Trisubstituted 1,3-Dienes with High <i>E</i> -Selectivity. <i>Organic Letters</i> , 2009, 11, 3498-3501.	4.6	58
14	Phosphine-Mediated Stereoselective Reductive Cyclopropanation of $\hat{1}\pm$ -Substituted Allenates with Aromatic Aldehydes. <i>Organic Letters</i> , 2010, 12, 544-547.	4.6	56
15	Transfer Hydrogenation of Carbonyl Compounds Catalyzed by a Ruthenium~Acetamido Complex:~Evidence for a Stepwise Hydrogen Transfer Mechanism. <i>Organometallics</i> , 2001, 20, 3641-3643.	2.3	55
16	Advances in Annulation Reactions Initiated by Phosphorus Ylides Generated in situ. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1937-1954.	2.4	55
17	Enantioselective [4 + 1]-Annulation of $\hat{1}\pm, \hat{1}^2$ -Unsaturated Imines with Allylic Carbonates Catalyzed by a Hybrid <i>P</i> -Chiral Phosphine Oxide~Phosphine. <i>Organic Letters</i> , 2017, 19, 5637-5640.	4.6	54
18	Acid-Promoted Homogeneous Hydrogenation of Alkenes Catalyzed by the Ruthenium~Hydride Complex (PCy ₃) ₂ (CO)(Cl)RuH:~Evidence for the Formation of 14-Electron Species from the Selective Entrapment of the Phosphine Ligand. <i>Organometallics</i> , 2000, 19, 2909-2915.	2.3	53

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19	Hydrovinylation of Alkenes Catalyzed by the Ruthenium ^{II} Hydride Complex Formed in Situ from (PCy ₃) ₂ (CO)RuHCl and HBF ₄ ·OEt ₂ . <i>Organometallics</i> , 2001, 20, 802-804.	2.3	51
20	Stereoselective Synthesis of 1,2,3,4-Tetrasubstituted Dienes from Allenates and Aldehydes: An Observation of Phosphine-Induced Chemoselectivity. <i>Organic Letters</i> , 2010, 12, 3556-3559.	4.6	49
21	Highly Chemoselective Ruthenium-Catalyzed Reaction between Maleimides and Enones and Dual Phosphine-Mediated One-Pot Synthesis of Bicyclic and Polycyclic Skeletons. <i>Journal of Organic Chemistry</i> , 2013, 78, 10596-10604.	3.2	48
22	Linker Effects on Biological Properties of ¹¹¹ In-Labeled DTPA Conjugates of a Cyclic RGDfK Dimer. <i>Bioconjugate Chemistry</i> , 2008, 19, 201-210.	3.6	47
23	Phosphine-mediated diverse reactivity of ¹ H-substituted allenates with aldehydes: syntheses of highly functionalized chromans and (E,E)-1,3-dienes. <i>Tetrahedron</i> , 2011, 67, 1053-1061.	1.9	47
24	Synthesis, Characterization, and X-ray Crystal Structure of In(DOTA-AA) (AA = p-Aminoanilide): A Model for ¹¹¹ In-Labeled DOTA-Biomolecule Conjugates. <i>Inorganic Chemistry</i> , 2003, 42, 8831-8837.	4.0	44
25	Regio- and Stereoselective Ruthenium-Catalyzed Hydrovinylation of 1,3-Dienes: Application to the Generation of a 20(S) Steroidal Side Chain. <i>Organic Letters</i> , 2003, 5, 1567-1569.	4.6	42
26	Evaluation of novel cationic ^{99m} Tc-nitrido complexes as radiopharmaceuticals for heart imaging: improving liver clearance with crown ether groups. <i>Nuclear Medicine and Biology</i> , 2006, 33, 419-432.	0.6	42
27	The First Air-Stable and Efficient Nucleophilic Trialkylphosphine Organocatalyst for the Baylis-Hillman Reaction. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 413-417.	4.3	42
28	Divergent Amine-Catalyzed [4 + 2] Annulation of Morita-Baylis-Hillman Allylic Acetates with Electron-Deficient Alkenes. <i>Organic Letters</i> , 2012, 14, 996-999.	4.6	40
29	Recent renewed interest in the classical Kukhtin-Ramirez adducts. <i>Tetrahedron Letters</i> , 2018, 59, 4136-4148.	1.4	40
30	Conjugate Addition of Alcohols to Acrylic Compounds Catalyzed by a Bifunctional Ruthenium ^{II} Acetamido Complex. <i>Organometallics</i> , 2003, 22, 3031-3033.	2.3	39
31	Evaluation of novel cationic ^{99m} Tc(I)-tricarbonyl complexes as potential radiotracers for myocardial perfusion imaging. <i>Nuclear Medicine and Biology</i> , 2006, 33, 1045-1053.	0.6	37
32	Phosphine-catalyzed [4+1] annulation of 1,3-(aza)dienes with maleimides: highly efficient construction of azaspiro[4.4]nonenes. <i>Chemical Communications</i> , 2014, 50, 13506-13509.	4.1	35
33	Impact of PKM Linkers on Biodistribution Characteristics of the ^{99m} Tc-Labeled Cyclic RGDfK Dimer. <i>Bioconjugate Chemistry</i> , 2006, 17, 1499-1507.	3.6	34
34	Unusual Formal [1+4] Annulation through Tandem P(NMe ₂) ₃ -Mediated Cyclopropanation/Base-Catalyzed Cyclopropane Rearrangement: Facile Syntheses of Cyclopentenimines and Cyclopentenones. <i>Chemistry - A European Journal</i> , 2016, 22, 5883-5887.	3.3	34
35	Impact of Bidentate Chelators on Lipophilicity, Stability, and Biodistribution Characteristics of Cationic ^{99m} Tc-Nitrido Complexes. <i>Bioconjugate Chemistry</i> , 2007, 18, 929-936.	3.6	33
36	PBu ₃ -Mediated Vinylogous Wittig Reaction of ¹ H-Methyl Allenates with Aldehydes and Mechanistic Investigations. <i>Journal of Organic Chemistry</i> , 2011, 76, 7528-7538.	3.2	33

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37	Chemoselective phosphine-catalyzed cascade annulations between two different activated alkenes: highly diastereoselective syntheses of polysubstituted cyclohexanes and cyclopentenes. <i>Chemical Communications</i> , 2011, 47, 1045-1047.	4.1	32
38	Phosphane-Catalyzed [4+1] Annulation between Nitroalkenes and Morita-Baylis-Hillman Carbonates: Facile Synthesis of Isoxazoline <i>N</i> -Oxides by Phosphorus Ylides. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1183-1189.	3.3	32
39	Construction of dispirocyclohexanes via amine-catalyzed [2 + 2 + 2] annulations of Morita-Baylis-Hillman acetates with exocyclic alkenes. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 398-408.	2.8	32
40	Distinct reactivity of Morita-Baylis-Hillman acetates as a novel C2 component in amine-catalyzed [2 + 2 + 2] and [2 + 4] annulations. <i>Chemical Communications</i> , 2013, 49, 3543.	4.1	29
41	A Novel Ternary Ligand System Useful for Preparation of Cationic ^{99m} Tc-Diazenido Complexes and ^{99m} Tc-Labeling of Small Biomolecules. <i>Bioconjugate Chemistry</i> , 2006, 17, 473-484.	3.6	28
42	Phosphine-Catalyzed (4 + 1) Annulation of <i>o</i> -Hydroxyphenyl and <i>o</i> -Aminophenyl Ketones with Allylic Carbonates: Syntheses and Transformations of 3-Hydroxy-2,3-Disubstituted Dihydrobenzofurans and Indolines. <i>Journal of Organic Chemistry</i> , 2016, 81, 4690-4700.	3.2	28
43	The Aza-Morita-Baylis-Hillman Reaction of <i>N</i> -Thiophosphoryl Imines Catalyzed by 1,3,5-Triaza-7-phosphaadamantane (PTA) - Convenient Synthesis of β -Methylene- α -Amino Ketone or Acid Derivatives. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4487-4491.	2.7	27
44	Phosphane-Mediated Domino Synthesis of Tetrasubstituted Furans from Simple Terminal Activated Olefins. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6033-6041.	2.4	27
45	P(NMe ₂) ₃ -Mediated Reductive (1 + 4) Annulation Reaction of Isatins with Nitroalkenes: An Access to Spirooxindolyl Isoxazoline <i>N</i> -Oxides and Their Corresponding Isoxazolines. <i>Journal of Organic Chemistry</i> , 2017, 82, 10997-11007.	3.2	27
46	Phosphine-catalyzed [4 + 2] annulation and vinylogous addition reactions between 1,4-dien-3-ones and 1,1-dicyanoalkenes. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 773-781.	2.8	26
47	Divergent Reactivity of Nitrocyclopropanes with Huisgen Zwitterions and Facile Syntheses of 3-Alkoxy Pyrazolines and Pyrazoles. <i>Organic Letters</i> , 2016, 18, 4936-4939.	4.6	26
48	P ^{III} -Mediated intramolecular cyclopropanation and metal-free synthesis of cyclopropane-fused heterocycles. <i>Chemical Communications</i> , 2020, 56, 10251-10254.	4.1	25
49	A Highly Diastereoselective Tertiary Amine-Catalyzed Cascade Michael-Michael-Henry Reaction between Nitromethane, Activated Alkenes and α,β -Unsaturated Carbonyl Compounds. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 97-102.	4.3	23
50	Phosphine-Catalyzed Chemo- and Diastereoselective [2 + 2 + 2] and [3 + 2] Annulations of β -Methyl Allenoates with Doubly Activated Olefins: Syntheses of Highly Substituted Cyclohexanes and Cyclopentenes. <i>Journal of Organic Chemistry</i> , 2019, 84, 12490-12498.	3.2	23
51	Lewis-Base-Catalyzed Annulations of Nitroallylic Acetates as <i>C</i> ₃ Synthons with Electron-Deficient Alkenes. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 877-885.	2.7	22
52	P(NMe ₂) ₃ -Mediated Reductive Intramolecular Annulation of Benzoylformates Tethered with a Trisubstituted Alkene Unit and Synthesis of 2,2-Disubstituted 2 <i>H</i> -Chromenes. <i>Organic Letters</i> , 2021, 23, 1880-1885.	4.6	21
53	An Unexpected Phosphine-Mediated Olefination of Salicylaldehydes with β -Methyl Allenoate. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 183, 1518-1525.	1.6	19
54	Annulation Reaction of 3-Acylmethylidene Oxindoles with Huisgen Zwitterions and Its Applications in the Syntheses of Pyrrolo[4,3,2-de]quinolinones and Marine Alkaloids Ammosamides. <i>Organic Letters</i> , 2016, 18, 1486-1489.	4.6	19

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55	Gadolinium chelate with DO3A conjugated 2-(diphenylphosphoryl)-ethyl-diphenylphosphonium cation as potential tumor-selective MRI contrast agent. <i>Biomaterials</i> , 2012, 33, 9225-9231.	11.4	18
56	Phosphine-catalyzed Annulations between Modified Allylic Derivatives and Polar Dienes and Substituent Effect on the Annulation Mode. <i>Chinese Journal of Chemistry</i> , 2013, 31, 1348-1351.	4.9	18
57	Phosphine-catalyzed formal vinylogous aldol reaction of β^3 -methyl allenates with aldehydes: easy access to 1,3-dioxanes and dienols. <i>Tetrahedron</i> , 2013, 69, 10424-10430.	1.9	16
58	“è† ä,ž,è”çf-é...é...žé†çš,,âè”. <i>Scientia Sinica Chimica</i> , 2010, 40, 856-868.	0.4	15
59	Studies on Reactivity of in situ Generated Allylic Phosphorus Ylides with Aldehydes. <i>Chinese Journal of Organic Chemistry</i> , 2012, 32, 1159.	1.3	11
60	Visible light-driven [3 + 3] annulation reaction of 2-H-azirines with Huisgen zwitterions and synthesis of 1,2,4-triazines. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3342-3347.	4.5	11
61	A New BINOL-Derived Chiral Bifunctional Phosphine Organocatalyst: Preparation and Application in Asymmetric (Aza)-Morita-Baylis-Hillman Reactions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013, 188, 1548-1554.	1.6	10
62	Catalytic asymmetric (4 + 1) annulation of nitroalkenes with allylic acetates: stereoselective synthesis of isoxazoline N-oxides. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6989-6993.	2.8	10
63	Facile Synthesis of Spirooxindole-Cyclohexenes via Phosphine-Catalyzed [4+2] Annulation of β^3 -Substituted Allenates. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1469-1473.	4.9	8
64	Photochromism and light-induced radical behaviours of biindenylidenedione derivatives in solid state. <i>Journal of Molecular Structure</i> , 2008, 874, 28-33.	3.6	7
65	Probing the human estrogen receptor- β binding requirements for phenolic mono- and di-hydroxyl compounds: A combined synthesis, binding and docking study. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 303-310.	3.0	7
66	Enantiopure Chiral Phosphines Bearing a Sulfinyl Group and their Application in Catalytic Enantiodivergent Synthesis of Polysubstituted Pyrrolines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2760-2766.	4.3	6
67	Organocatalytic asymmetric cascade cyclization reaction of o-hydroxy cinnamaldehydes with diphenylphosphine oxide. <i>Chinese Chemical Letters</i> , 2018, 29, 1625-1628.	9.0	5
68	Phosphine-Catalyzed [3+2] and [2+4] Annulations of β^3 -Methyl Allenates with Aryl β^3 -Keto Esters: Stereoselective Syntheses of Functionalized Tetrahydrofurans and 4-Chromanols. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 86-93.	2.7	5
69	Chiral phosphine-catalyzed asymmetric [4+1] annulation of polar dienes with allylic derivatives: Enantioselective synthesis of substituted cyclopentenones. <i>Tetrahedron Letters</i> , 2021, 67, 152863.	1.4	4
70	UV light-driven asymmetric vinylogous aldol reaction of isatins with 2-alkylbenzophenones and enantioselective synthesis of 3-hydroxyoxindoles. <i>Organic Chemistry Frontiers</i> , 2022, 9, 643-648.	4.5	4
71	Diethyl phosphite mediated reductive [1+4] annulation of β^3 -ketoesters with β^3 , β^2 -unsaturated ketones and synthesis of polysubstituted 2,3-dihydrofurans. <i>Tetrahedron</i> , 2022, 106-107, 132646.	1.9	4
72	Bicyclic Organophosphorus Amides. Nucleophilic Cleavage of 1-Oxo-2,3-benzo-10-phenyl-4,7,10-triaza-1 λ^5 -phosphabicyclo[5.3.0]decane and its p-Anisyl Analogues. <i>Journal of Chemical Research Synopses</i> , 1999, , 656-657.	0.3	3

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73	Development of photochromic fused 2 <i>H</i> -naphthopyrans with promising thermal fading rates. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5542-5549.	5.5	3
74	Synthesis and Reactivity of Bicyclic Phosphoric (and Thiophosphoric) Amides. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1689-1692.	1.6	2
75	Amine-Catalyzed Tandem Reactions of Morita-Baylis-Hillman Acetates with Isatins: Facile Synthesis of β -Hydroxyoxindoles. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6154-6159.	2.4	2
76	P(NMe ₂) ₃ -Mediated Reductive (1+4) Annulation Reaction of α -Keto Esters with Nitroalkenes: A Facile Synthesis of Polysubstituted Isoxazoline <i>N</i> -Oxides. <i>ChemistrySelect</i> , 2021, 6, 4400-4403.	1.5	2
77	Ethoxide-Mediated Condensation of β -tert-Butylallenoate and Aldehydes: Facile Stereoselective Synthesis of Conjugated Dienes and Enynes. <i>Synthesis</i> , 2014, 46, 2085-2092.	2.3	1
78	Amine-Catalyzed Three-Component Cascade Reaction between Alcohols or Thiols, Activated Alkenes, and Enones: A Simple and Chemoselective Synthesis of Densely Functionalized Compounds. <i>Synthesis</i> , 2017, 49, 2205-2214.	2.3	1
79	Convergent Synthesis of Polysubstituted Furans via Catalytic Phosphine Mediated Multicomponent Reactions. <i>Molecules</i> , 2019, 24, 4595.	3.8	1
80	Crystal and molecular structure of a steroidal spirocyclic lactone, C ₂₉ H ₃₄ O ₄ . <i>Journal of Chemical Crystallography</i> , 2003, 33, 897-902.	1.1	0
81	Regio- and Stereoselective Ruthenium-Catalyzed Hydrovinylation of 1,3-Dienes: Application to the Generation of a 20(S) Steroidal Side Chain.. <i>ChemInform</i> , 2003, 34, no.	0.0	0