

Xiao Zheng

List of Publications by Year in descending order

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papers

653
citations

623734

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Dual catalysis for enantioselective convergent synthesis of enantiopure vicinal amino alcohols. <i>Nature Communications</i> , 2018, 9, 410.	12.8	92
2	Umpolung of Hemiaminals: Titanocene-Catalyzed Dehydroxylative Radical Coupling Reactions with Activated Alkenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3494-3498.	13.8	72
3	Sml ₂ -Mediated Radical Cross-Couplings of $\hat{1}$ -Hydroxylated Aza-hemiacetals and $\hat{1}$ -Acetals with $\hat{1},\hat{2}$ -Unsaturated Compounds: Asymmetric Synthesis of (+)-Hyacinthacin A ₂ , ($\hat{1}$)-Uniflorine A, and (+)-7- <i>epi</i> -Casuarine. <i>Journal of Organic Chemistry</i> , 2011, 76, 4952-4963.	3.2	59
4	Samarium Diiodide Promoted Generation and Asymmetric Hydroxyalkylation of <i>N,O</i> -Diprotected (3 <i>S</i>)-3-Pyrrolidinol 2-Carbanions. <i>Organic Letters</i> , 2005, 7, 553-556.	4.6	42
5	A new approach to (S)-4-hydroxy-2-pyrrolidinone and its 3-substituted analogues. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 3309-3317.	1.8	35
6	Versatile One-Pot Synthesis of Polysubstituted Cyclopent-2-enimines from $\hat{1},\hat{2}$ -Unsaturated Amides: Imino-Nazarov Reaction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10352-10356.	13.8	35
7	One-pot cross-coupling of <i>N</i> -acyl <i>N,O</i> -acetals with $\hat{1},\hat{2}$ -unsaturated compounds. <i>Chemical Communications</i> , 2009, , 7045.	4.1	34
8	A new approach to 3-hydroxyprolinol derivatives by samarium diiodide-mediated reductive coupling of chiral nitron with carbonyl compounds. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2967.	2.8	33
9	Samarium diiodide-mediated reductive couplings of chiral nitrones with aldehydes/ketones and acyl chlorides. <i>Tetrahedron</i> , 2010, 66, 1653-1660.	1.9	32
10	One-pot reductive coupling of <i>N</i> -acylcarbamates with activated alkenes: application to the asymmetric synthesis of pyrrolo[1,2- <i>a</i>]azepin-5-one ring system and ($\hat{1}$)-xenovenine. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1275-1284.	2.8	32
11	Sml ₂ -Mediated Intermolecular Coupling of $\hat{1}$ -Lactam $\hat{1}$ -Radicals with Activated Alkenes: Asymmetric Synthesis of 11-Hydroxylated Analogues of the Lead Compounds CP-734432 and PF-04475270. <i>Journal of Organic Chemistry</i> , 2013, 78, 1790-1801.	3.2	28
12	Titanocene(III)-Catalyzed Three-Component Reaction of Secondary Amides, Aldehydes, and Electrophilic Alkenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13739-13742.	13.8	24
13	Sml ₂ -Mediated Radical Coupling Strategy to Securinega Alkaloids: Total Synthesis of ($\hat{1}$)-14,15-Dihydrosecurinine and Formal Total Synthesis of ($\hat{1}$)-Securinine. <i>Journal of Organic Chemistry</i> , 2015, 80, 1034-1041.	3.2	23
14	Photoredox-Catalyzed Decarboxylative Cross-Coupling of $\hat{1}$ -Amino Acids with Nitrones. <i>Organic Letters</i> , 2021, 23, 876-880.	4.6	21
15	Syntheses of enantio-enriched chiral building blocks from <i>L</i> -glutamic acid. <i>Tetrahedron</i> , 2006, 62, 7459-7465.	1.9	12
16	A new synthesis of alkaloid (<i>S</i>)-3-hydroxypiperidin-2-one and its <i>O</i> -TBS protected derivative. <i>Journal of Heterocyclic Chemistry</i> , 2007, 44, 499-501.	2.6	12
17	Generation and $\hat{1}$ -hydroxyalkylation of a novel 3-piperidinol <i>N</i> - $\hat{1}$ -carbanion intermediate. <i>Science in China Series B: Chemistry</i> , 2009, 52, 1631-1638.	0.8	8
18	Versatile One-Pot Synthesis of Polysubstituted Cyclopent-2-enimines from $\hat{1},\hat{2}$ -Unsaturated Amides: Imino-Nazarov Reaction. <i>Angewandte Chemie</i> , 2018, 130, 10509-10513.	2.0	7

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19	Photoredox Catalysis for the Coupling Reaction of Nitrones with Aromatic Tertiary Amines. <i>Acta Chimica Sinica</i> , 2019, 77, 850.	1.4	6
20	Concise synthesis of two advanced intermediates for the asymmetric synthesis of polyhydroxylated indolizidine alkaloids. <i>Science China Chemistry</i> , 2010, 53, 1914-1920.	8.2	5
21	Facile Syntheses of Three Ahp-Type Building Blocks with Complementary Reactivity. <i>Heterocycles</i> , 2009, 79, 681.	0.7	5
22	A New Approach for Asymmetric Synthesis of (R)-3-Methylpyrrolidine Alkaloids from (S)-Malic Acid. <i>Natural Product Research</i> , 2002, 16, 53-56.	0.4	4
23	Construction of multifunctional heterocycles bearing aza-quaternary carbons by titanocene-catalyzed umpolung reactions. <i>Tetrahedron</i> , 2019, 75, 1612-1623.	1.9	3
24	(4S,5R)-4-Benzoyloxy-5-[4-(cyclohexanecarbonyl)phenyl]-1-(4-methoxybenzyl)pyrrolidin-2-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o419-o420.	0.2	0