

Chi Zhang

List of Publications by Year in descending order

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53
docs citations

53
times ranked

1639
citing authors

#	ARTICLE	IF	CITATIONS
1	A general method for one-step synthesis of monofluoriodane(III) reagents using silver difluoride. Chinese Chemical Letters, 2022, 33, 4834-4837.	9.0	2
2	Late-Stage Dehydroxyazidation of Alcohols Promoted by Trifunctional Hypervalent Azido-Iodine(III) Reagents. Chemistry - A European Journal, 2022, , e202200272.	3.3	9
3	Recent Advances and the Prospect of Hypervalent Iodine Chemistry. Synlett, 2021, 32, 1289-1296.	1.8	21
4	Singlet Oxygen Generation from a Water-Soluble Hypervalent Iodine(V) Reagent AIBX and H ₂ O ₂ : An Access to Artemisinin. Journal of Organic Chemistry, 2021, , .	3.2	8
5	Ring Expansion Fluorination of Unactivated Cyclopropanes Mediated by a New Monofluoriodane(III) Reagent. Angewandte Chemie - International Edition, 2021, 60, 24171-24178.	13.8	19
6	Ring Expansion Fluorination of Unactivated Cyclopropanes Mediated by a New Monofluoriodane(III) Reagent. Angewandte Chemie, 2021, 133, 24373.	2.0	1
7	Stereoselective Construction of the Highly Congested Tricyclic Core Structure in Leucosceptroid H. Organic Letters, 2020, 22, 4848-4851.	4.6	3
8	A Benziodoxole-Based Hypervalent Iodine(III) Compound Functioning as a Peptide Coupling Reagent. Frontiers in Chemistry, 2020, 8, 183.	3.6	5
9	Hierarchical Dynamics in a Transient Polymer Network Cross-Linked by Orthogonal Dynamic Bonds. Macromolecules, 2020, 53, 5937-5949.	4.8	29
10	Electrophilic Hypervalent Trifluoromethylthio-Iodine(III) Reagent. Organic Letters, 2020, 22, 2026-2031.	4.6	59
11	Redetermination of the Structure of a Water-Soluble Hypervalent Iodine(V) Reagent AIBX and Its Synthetic Utility in the Oxidation of Alcohols and Synthesis of IsoxazolineN-Oxides. Journal of Organic Chemistry, 2019, 84, 14381-14393.	3.2	12
12	Double dehydrogenation of carbocyclic \hat{I}^2 -dicarbonyl compounds: Koser's reagent can do what iodine(V) reagents can. Science China Chemistry, 2019, 62, 597-601.	8.2	2
13	Total Syntheses of Trichorabdalin A and Maoecrystalin Z. Chemistry - A European Journal, 2018, 24, 9773-9777.	3.3	25
14	Synthetic application of water-soluble hypervalent iodine reagents in aqueous media. Tetrahedron Letters, 2018, 59, 3052-3064.	1.4	19
15	Recyclable hypervalent-iodine-mediated solid-phase peptide synthesis and cyclic peptide synthesis. Beilstein Journal of Organic Chemistry, 2018, 14, 1112-1119.	2.2	8
16	Water-Soluble Hypervalent Iodine(III) Having an N Bond. A Reagent for the Synthesis of Indoles. Organic Letters, 2018, 20, 4052-4056.	4.6	39
17	Frontispiece: Intramolecular Parallel [4+3] Cycloadditions of Cyclopropane 1,1-Diesters with [3]Dendralenes: Efficient Construction of [5.3.0]Decane and Corresponding Polycyclic Skeletons. Chemistry - A European Journal, 2017, 23, .	3.3	0
18	Hypervalent-Iodine-Mediated Formation of Epoxides from Carbon(sp ²)-Carbon(sp ³) Single Bonds. Journal of Organic Chemistry, 2017, 82, 11691-11702.	3.2	15

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19	Hypervalent-Iodine-Mediated Ring-Contraction Monofluorination Affording Monofluorinated Five-Membered Ring-Fused Oxazolines. <i>Organic Letters</i> , 2017, 19, 5300-5303.	4.6	15
20	Intramolecular Parallel [4+3] Cycloadditions of Cyclopropane 1,1-Diesters with [3]Dendralenes: Efficient Construction of [5.3.0]Decane and Corresponding Polycyclic Skeletons. <i>Chemistry - A European Journal</i> , 2017, 23, 1231-1236.	3.3	42
21	Sc(OTf) ₃ -Catalyzed Diastereoselective Formal [3+2] Cycloaddition Reactions of Alkynylcyclopropane Ketones with Electron-Rich Aromatic Aldehydes To Yield 2,5-trans-tetrahydrofurans. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2467-2478.	2.4	21
22	Iodosobenzene-mediated direct and efficient oxidation of $\hat{1}^2$ -dicarbonyls to vicinal tricarbonyls catalyzed by iron(scp) ₃ salts. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1686-1690.	4.5	18
23	Recyclable Hypervalent-Iodine-Mediated Dehydrogenative Cyclopropanation under Metal-Free Conditions. <i>Organic Letters</i> , 2016, 18, 6176-6179.	4.6	24
24	Recent Advances in Hypervalent Iodine Chemistry. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 1973.	1.3	31
25	Recyclable Hypervalent-Iodine-Mediated Dehydrogenative $\hat{1}^{\pm}, \hat{1}^2$ -Bifunctionalization of $\hat{1}^2$ -Keto Esters Under Metal-Free Conditions. <i>Chemistry - A European Journal</i> , 2015, 21, 13052-13057.	3.3	23
26	Practical Peptide Synthesis Mediated by a Recyclable Hypervalent Iodine Reagent and Tris(4-methoxyphenyl)phosphine. <i>Organic Letters</i> , 2015, 17, 4106-4109.	4.6	21
27	Synthesis of Oxazolidinones and Imidazolidinones Directly from 1,3-Diols or β -Amino Alcohols using Iodobenzene Dichloride and Sodium Azide. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1113-1118.	4.3	9
28	Boron Trifluoride Etherate Functioning as a Fluorine Source in an Iodosobenzene-Mediated Intramolecular Aminofluorination of Homoallylic Amines. <i>Organic Letters</i> , 2014, 16, 1442-1445.	4.6	75
29	Practical oxazole synthesis mediated by iodine from $\hat{1}^{\pm}$ -bromoketones and benzylamine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7123.	2.8	40
30	Iodine-mediated intramolecular amination of ketones: the synthesis of 2-acylindoles and 2-acylindolines by tuning N-protecting groups. <i>Chemical Communications</i> , 2013, 49, 4890.	4.1	60
31	Dramatic Solvent Effect in the One-Pot Synthesis of Substituted Ureas Directly from Primary Alcohols Using the Combined Reagent of Iodobenzene Dichloride and Sodium Azide in Ethyl Acetate. <i>Synthesis</i> , 2012, 44, 3006-3014.	2.3	10
32	A Simple and Effective Synthesis of Benzolactones and Benzolactams by Noncatalytic $\hat{1}^{\pm}$ -Benzylic Oxidation of Cyclic Benzylic Ethers and N-Protected Cyclic Benzylic Amines with Sodium Chlorite as an Oxidant. <i>Synthesis</i> , 2012, 44, 2903-2909.	2.3	6
33	A Mild and Efficient Direct $\hat{1}^{\pm}$ -Amination of $\hat{1}^2$ -Dicarbonyl Compounds Using Iodosobenzene and <i>p</i> -Toluenesulfonamide Catalyzed by Perchlorate Zinc Hexahydrate. <i>Organic Letters</i> , 2012, 14, 832-835.	4.6	44
34	Recyclable Hypervalent Iodine(III) Reagent Iodosodilactone as an Efficient Coupling Reagent for Direct Esterification, Amidation, and Peptide Coupling. <i>Organic Letters</i> , 2012, 14, 3020-3023.	4.6	84
35	Design, Synthesis, Structure, and Dehydrogenation Reactivity of a Water-Soluble <i>o</i> -Iodoxybenzoic Acid Derivative Bearing a Trimethylammonium Group. <i>Organic Letters</i> , 2011, 13, 6488-6491.	4.6	73
36	Enantioselective $\hat{1}^{\pm}$ -tosyloxylation of ketones catalyzed by spirobiindane scaffold-based chiral iodoarenes. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 2039-2055.	1.8	60

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37	Effective oxidation of benzylic and alkane C-H bonds catalyzed by sodium o-iodobenzenesulfonate with Oxone as a terminal oxidant under phase-transfer conditions. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2258.	2.8	67
38	A Simple and Effective Method for α -Hydroxylation of α -Dicarbonyl Compounds Using Oxone as an Oxidant without a Catalyst. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 7020-7026.	2.4	36
39	Various α -Oxygen Functionalizations of α -Dicarbonyl Compounds Mediated by the Hypervalent Iodine(III) Reagent <i>p</i> -Iodotoluene Difluoride with Different Oxygen-Containing Nucleophiles. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 531-546.	4.3	57
40	One-Pot Synthesis of Symmetrical 1,3-Diarylureas or Substituted Benzamides Directly from Benzylic Primary Alcohols and Effective Oxidation of Secondary Alcohols to Ketones Using Phenyliodine Diacetate in Combination with Sodium Azide. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2588-2598.	4.3	43
41	A Safe, Convenient and Efficient One-Pot Synthesis of α -Chloroketone Acetals Directly from Ketones Using Iodobenzene Dichloride. <i>Synthesis</i> , 2009, 2009, 2324-2328.	2.3	6
42	One-Pot Synthesis of Carbamoyl Azides Directly from Primary Alcohols and Oxidation of Secondary Alcohols to Ketones Using Iodobenzene Dichloride in Combination with Sodium Azide. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2342-2350.	4.3	31
43	An Aerobic Ligandless Palladium Acetate Catalysed Suzuki-Miyaura Cross-Coupling Reaction in an Aqueous Solvent. <i>Journal of Chemical Research</i> , 2008, 2008, 525-527.	1.3	10
44	Iodobenzene Dichloride as a Stoichiometric Oxidant for the Conversion of Alcohols into Carbonyl Compounds; Two Facile Methods for Its Preparation. <i>Synthesis</i> , 2007, 2007, 551-557.	2.3	39
45	Ruthenium-Catalyzed Oxidative Cleavage of Olefins to Aldehydes. <i>Journal of Organic Chemistry</i> , 2001, 66, 4814-4818.	3.2	262
46	A Novel Epoxidation Reaction of Olefins Using a Combination of Chloramine-M, Benzaldehyde, and Benzyltriethylammonium Chloride. <i>Journal of the American Chemical Society</i> , 2000, 122, 4039-4043.	13.7	20