Chi Zhang

List of Publications by Year
in descending order

46 papers	1,503 citations	304743 22 h-index	315739 38 g-index
53 all docs	53 docs citations	53 times ranked	1639 citing authors

#	Article	IF	Citations
1	Ruthenium-Catalyzed Oxidative Cleavage of Olefins to Aldehydes. Journal of Organic Chemistry, 2001, 66, 4814-4818.	3.2	262
2	Recyclable Hypervalent Iodine(III) Reagent Iodosodilactone as an Efficient Coupling Reagent for Direct Esterification, Amidation, and Peptide Coupling. Organic Letters, 2012, 14, 3020-3023.	4.6	84
3	Boron Trifluoride Etherate Functioning as a Fluorine Source in an Iodosobenzene-Mediated Intramolecular Aminofluorination of Homoallylic Amines. Organic Letters, 2014, 16, 1442-1445.	4.6	75
4	Design, Synthesis, Structure, and Dehydrogenation Reactivity of a Water-Soluble o-Iodoxybenzoic Acid Derivative Bearing a Trimethylammonium Group. Organic Letters, 2011, 13, 6488-6491.	4.6	73
5	Effective oxidation of benzylic and alkane Câ€“H bonds catalyzed by sodium o-iodobenzenesulfonate with Oxone as a terminal oxidant under phase-transfer conditions. Organic and Biomolecular Chemistry, 2011, 9, 2258.	2.8	67
6	Enantioselective Î±-tosyloxylation of ketones catalyzed by spirobiindane scaffold-based chiral iodoarenes. Tetrahedron: Asymmetry, 2011, 22, 2039-2055.	1.8	60
7	Iodine-mediated intramolecular amination of ketones: the synthesis of 2-acylindoles and 2-acylindolines by tuning N-protecting groups. Chemical Communications, 2013, 49, 4890.	4.1	60
8	Electrophilic Hypervalent Trifluoromethylthio-Iodine(III) Reagent. Organic Letters, 2020, 22, 2026-2031.	4.6	59
9	Various Î±â€Oxygen Functionalizations of Î²â€Dicarbonyl Compounds Mediated by the Hypervalent Iodine(III) Reagent pâ€Iodotoluene Difluoride with Different Oxygenâ€Containing Nucleophiles. Advanced Synthesis and Catalysis, 2010, 352, 531-546.	4.3	57
10	A Mild and Efficient Direct Î±-Amination of Î²-Dicarbonyl Compounds Using Iodosobenzene and p-Toluenesulfonamide Catalyzed by Perchlorate Zinc Hexahydrate. Organic Letters, 2012, 14, 832-835.	4.6	44
11	Oneâ€Pot Synthesis of Symmetrical 1,3â€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. Advanced Synthesis and Catalysis, 2010, 352, 2588-2598.	4.3	43
12	Intramolecular Parallel [4+3] Cycloadditions of Cyclopropane 1,1â€Diesters with [3]Dendralenes: Efficient Construction of [5.3.0]Decane and Corresponding Polycyclic Skeletons. Chemistry - A European Journal, 2017, 23, 1231-1236.	3.3	42
13	Practical oxazole synthesis mediated by iodine from Î±-bromoketones and benzylamine derivatives. Organic and Biomolecular Chemistry, 2013, 11, 7123.	2.8	40
14	Iodobenzene Dichloride as a Stoichiometric Oxidant for the Conversion of Alcohols into Carbonyl Compounds; Two Facile Methods for Its Preparation. Synthesis, 2007, 2007, 551-557.	2.3	39
15	Water-Soluble Hypervalent Iodine(III) Having an Iâ€“N Bond. A Reagent for the Synthesis of Indoles. Organic Letters, 2018, 20, 4052-4056.	4.6	39
16	A Simple and Effective Method for Î±â€Hydroxylation of Î²â€Dicarbonyl Compounds Using Oxone as an Oxidant without a Catalyst. European Journal of Organic Chemistry, 2010, 2010, 7020-7026.	2.4	36
17	Oneâ€Pot Synthesis of Carbamoyl Azides Directly from Primary Alcohols and Oxidation of Secondary Alcohols to Ketones Using Iodobenzene Dichloride in Combination with Sodium Azide. Advanced Synthesis and Catalysis, 2009, 351, 2342-2350.	4.3	31
18	Recent Advances in Hypervalent Iodine Chemistry. Chinese Journal of Organic Chemistry, 2016, 36, 1973.	1.3	31

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19	Hierarchical Dynamics in a Transient Polymer Network Cross-Linked by Orthogonal Dynamic Bonds. Macromolecules, 2020, 53, 5937-5949.	4.8	29
20	Total Syntheses of Trichorabdalâ€…A and Maoecrystalâ€…Z. Chemistry - A European Journal, 2018, 24, 9773-9777.	3.3	25
21	Recyclable Hypervalent-Iodine-Mediated Dehydrogenative Cyclopropanation under Metal-Free Conditions. Organic Letters, 2016, 18, 6176-6179.	4.6	24
22	Recyclable Hypervalentâ€Iodineâ€Mediated Dehydrogenative Î±,Î²â€²â€Bifunctionalization of Î²â€Keto Esters Under Metalâ€Free Conditions. Chemistry - A European Journal, 2015, 21, 13052-13057.	3.3	23
23	Practical Peptide Synthesis Mediated by a Recyclable Hypervalent Iodine Reagent and Tris(4-methoxyphenyl)phosphine. Organic Letters, 2015, 17, 4106-4109.	4.6	21
24	Sc(OTf)₃â€Catalyzed Diastereoselective Formal [3+2] Cycloaddition Reactions of Alkynylcyclopropane Ketones with Electronâ€Rich Aromatic Aldehydes To Yield 2,5â€transâ€Tetrahydrofurans. European Journal of Organic Chemistry, 2016, 2016, 2467-2478.	2.4	21
25	Recent Advances and the Prospect of Hypervalent Iodine Chemistry. Synlett, 2021, 32, 1289-1296.	1.8	21
26	A Novel Epoxidation Reaction of Olefins Using a Combination of Chloramine-M, Benzaldehyde, and Benzyltriethylammonium Chloride. Journal of the American Chemical Society, 2000, 122, 4039-4043.	13.7	20
27	Synthetic application of water-soluble hypervalent iodine reagents in aqueous media. Tetrahedron Letters, 2018, 59, 3052-3064.	1.4	19
28	Ring Expansion Fluorination of Unactivated Cyclopropanes Mediated by a New Monofluoroiodane(III) Reagent. Angewandte Chemie - International Edition, 2021, 60, 24171-24178.	13.8	19
29	Iodosobenzene-mediated direct and efficient oxidation of Î²-dicarbonyls to vicinal tricarbonyls catalyzed by iron(<scp>iii</scp>) salts. Organic Chemistry Frontiers, 2016, 3, 1686-1690.	4.5	18
30	Hypervalent-Iodine-Mediated Formation of Epoxides from Carbon(sp²)â€“Carbon(sp³) Single Bonds. Journal of Organic Chemistry, 2017, 82, 11691-11702.	3.2	15
31	Hypervalent-Iodine-Mediated Ring-Contraction Monofluorination Affording Monofluorinated Five-Membered Ring-Fused Oxazolines. Organic Letters, 2017, 19, 5300-5303.	4.6	15
32	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
33	An Aerobic Ligandless Palladium Acetate Catalysed Suzuki-Miyaura Cross-Coupling Reaction in an Aqueous Solvent. Journal of Chemical Research, 2008, 2008, 525-527.	1.3	10
34	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. Synthesis, 2012, 44, 3006-3014.	2.3	10
35	Synthesis of Oxazolidinâ€2â€ones and Imidazolidinâ€2â€ones Directly from 1,3â€Diols or 3â€Amino Alcohols using Iodobenzene Dichloride and Sodium Azide. Advanced Synthesis and Catalysis, 2014, 356, 1113-1118.	4.3	9
36	Lateâ€Stage Dehydroxyazidation of Alcohols Promoted by Trifunctional Hypervalent Azidoâ€Iodine(III) Reagents. Chemistry - A European Journal, 2022, , e202200272.	3.3	9

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37	Recyclable hypervalent-iodine-mediated solid-phase peptide synthesis and cyclic peptide synthesis. Beilstein Journal of Organic Chemistry, 2018, 14, 1112-1119.	2.2	8
38	Singlet Oxygen Generation from a Water-Soluble Hypervalent Iodine(V) Reagent AIBX and H2O2: An Access to Artemisinin. Journal of Organic Chemistry, 2021, , .	3.2	8
39	A Safe, Convenient and Efficient One-Pot Synthesis of Î±-Chloroketone Acetals Directly from Ketones Using Iodobenzene Dichloride. Synthesis, 2009, 2009, 2324-2328.	2.3	6
40	A Simple and Effective Synthesis of Benzolactones and Benzolactams by NoncatalyticÂ-Benzylic Oxidation of Cyclic Benzylic Ethers and N-Protected Cyclic Benzylic Amines with Sodium Chlorite as an Oxidant. Synthesis, 2012, 44, 2903-2909.	2.3	6
41	A Benziodoxole-Based Hypervalent Iodine(III) Compound Functioning as a Peptide Coupling Reagent. Frontiers in Chemistry, 2020, 8, 183.	3.6	5
42	Stereoselective Construction of the Highly Congested Tricyclic Core Structure in Leucosceptroid H. Organic Letters, 2020, 22, 4848-4851.	4.6	3
43	Double dehydrogenation of carbocyclic Î²-dicarbonyl compounds: Koserâ€™s reagent can do what iodine(V) reagents can. Science China Chemistry, 2019, 62, 597-601.	8.2	2
44	A general method for one-step synthesis of monofluoroiodane(III) reagents using silver difluoride. Chinese Chemical Letters, 2022, 33, 4834-4837.	9.0	2
45	Ring Expansion Fluorination of Unactivated Cyclopropanes Mediated by a New Monofluoroiodane(III) Reagent. Angewandte Chemie, 2021, 133, 24373.	2.0	1
46	Frontispiece: Intramolecular Parallel [4+3] Cycloadditions of Cyclopropane 1,1â€Ðiesters with [3]Dendralenes: Efficient Construction of [5.3.0]Decane and Corresponding Polycyclic Skeletons. Chemistry - A European Journal, 2017, 23, .	3.3	0