

# Akira Yoshimura

## List of Publications by Year in descending order

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78  
papers

3,620  
citations

186265

28  
h-index

138484

58  
g-index

109  
all docs

109  
docs citations

109  
times ranked

2879  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dehydrogenative Cycloisomerization/Arylation Sequence of <i>N</i> -Propargyl Carboxamides with Arenes by Iodine(III)-Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 2053-2059.	4.3	5
2	Efficient Catalytic Synthesis of Condensed Isoxazole Derivatives via Intramolecular Oxidative Cycloaddition of Aldoximes. <i>Molecules</i> , 2022, 27, 3860.	3.8	5
3	<i>In Situ</i> Generation of <i>N</i> -Triflylimino- $\lambda^3$ -iodanes: Application to Imidation of Phosphines and Catalytic $\lambda^3$ -Amidation of 1,3-Dicarbonyl Compounds. <i>Organic Letters</i> , 2022, 24, 5230-5234.	4.6	5
4	Synthesis of arylbenziodoxoles using pseudocyclic benziodoxole triflate and arenes. <i>Arkivoc</i> , 2021, 2020, 35-49.	0.5	3
5	Aryne cycloaddition reaction as a facile and mild modification method for design of electrode materials for high-performance symmetric supercapacitor. <i>Electrochimica Acta</i> , 2021, 369, 137667.	5.2	8
6	Preparation and Synthetic Applicability of Imidazole-Containing Cyclic Iodonium Salts. <i>Journal of Organic Chemistry</i> , 2021, 86, 7163-7178.	3.2	13
7	Preparation, Structure, and Reactivity of Pseudocyclic $\lambda^2$ -Trifluorosulfonyloxy Vinylbenziodoxolone Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3365-3371.	4.3	9
8	Synthesis and biological evaluation of novel 2-alkoxycarbonylallylester phosphonium derivatives as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 45, 128136.	2.2	5
9	2-Iodosylbenzoic acid activated by trifluoromethanesulfonic anhydride: efficient oxidant and electrophilic reagent for preparation of iodonium salts. <i>New Journal of Chemistry</i> , 2021, 45, 16434-16437.	2.8	1
10	Convenient Synthesis of Benziodazolone: New Reagents for Direct Esterification of Alcohols and Amidation of Amines. <i>Molecules</i> , 2021, 26, 7355.	3.8	2
11	Iodonium imides in organic synthesis. <i>Arkivoc</i> , 2020, 2019, 228-255.	0.5	10
12	Benziodoxole-Derived Organosulfonates: The Strongest Hypervalent Iodine Electrophiles and Oxidants. <i>Synlett</i> , 2020, 31, 315-326.	1.8	8
13	Imino- $\lambda^3$ -iodane and Catalytic Amount of $I_2$ -Mediated Synthesis of <i>N</i> -Allylsulfenamides via [2,3]- $\sigma$ -Tropic Rearrangement. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6433-6439.	2.4	4
14	Fluorocyclization of <i>N</i> -Propargyl Carboxamides by $\lambda^3$ -Iodane Catalysts with Coordinating Substituents. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2997-3003.	4.3	17
15	Synthesis of Oxazoline and Oxazole Derivatives by Hypervalent-Iodine-Mediated Oxidative Cycloaddition Reactions. <i>Synthesis</i> , 2020, 52, 2299-2310.	2.3	33
16	Hypervalent Iodine(III) Reagent Mediated Regioselective Cycloaddition of Aldoximes with Enaminones. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6682-6689.	2.4	15
17	2-Iodoxybenzoic acid ditriflate: the most powerful hypervalent iodine( $\lambda^3$ ) oxidant. <i>Chemical Communications</i> , 2019, 55, 7760-7763.	4.1	23
18	Sulfonylimino Group Transfer Reaction Using Imino- $\lambda^3$ -iodanes with $I_2$ as Catalyst Under Metal-free Conditions. <i>Molecules</i> , 2019, 24, 979.	3.8	7

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19	Reactions of Arylbenziodoxolones with Azide Anion: Experimental and Computational Study of Substituent Effects. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 640-647.	2.4	9
20	Preparation, structure, and oxidative reactivity of (dichloroiodo)pyridines: recyclable hypervalent iodine reagents. <i>Arkivoc</i> , 2018, 2018, 40-49.	0.5	0
21	Frontispiece: Iodonium Salts as Benzyne Precursors. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
22	Hetero Diels-Alder Reaction and Ene Reaction of Acylnitroso Species in situ Generated by Hypoiodite Catalysis. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6199-6203.	2.4	7
23	Synthesis of Five-Membered Iodine-Nitrogen Heterocycles from Benzimidazole-Based Iodonium Salts. <i>Journal of Organic Chemistry</i> , 2018, 83, 12056-12070.	3.2	22
24	Preparation, structure, and reactivity of bicyclic benziodazole: a new hypervalent iodine heterocycle. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1016-1020.	2.2	10
25	Preparation and X-ray structure of 2-iodoxybenzenesulfonic acid (IBS) – a powerful hypervalent iodine(V) oxidant. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1854-1858.	2.2	12
26	Iodonium Salts as Benzyne Precursors. <i>Chemistry - A European Journal</i> , 2018, 24, 15156-15166.	3.3	54
27	Oxidative cycloaddition of hydroxamic acids with dienes or guaiacols mediated by iodine(III) reagents. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 531-536.	2.2	6
28	One-pot synthesis of diaryliodonium salts from arenes and aryl iodides with Oxone-sulfuric acid. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 849-855.	2.2	25
29	Preparation and structure of phenolic arylodonium salts. <i>Chemical Communications</i> , 2018, 54, 10363-10366.	4.1	12
30	Regioselective Zn(OAc) <sub>2</sub> -catalyzed azide-alkyne cycloaddition in water: the green click-chemistry. <i>Organic Chemistry Frontiers</i> , 2017, 4, 978-985.	4.5	44
31	Iodine(III)-Catalyzed Formal [2 + 2 + 1] Cycloaddition Reaction for Metal-Free Construction of Oxazoles. <i>Organic Letters</i> , 2017, 19, 2506-2509.	4.6	61
32	Facile One-Pot Synthesis of Diaryliodonium Salts from Arenes and Aryl Iodides with Oxone. <i>ChemistryOpen</i> , 2017, 6, 18-20.	1.9	18
33	Pseudocyclic Arylbenziodoxaboroles: Efficient Benzyne Precursors Triggered by Water at Room Temperature. <i>Chemistry - A European Journal</i> , 2017, 23, 16738-16742.	3.3	39
34	Development of Iminoiodanes with Improved Reactivity for Metal-Free [2+2+1] Cycloaddition-Type Reactions. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3860-3864.	4.3	19
35	Hypervalent Iodine Reagent Mediated Oxidative Heterocyclization of Aldoximes with Heterocyclic Alkenes. <i>Journal of Organic Chemistry</i> , 2017, 82, 11742-11751.	3.2	16
36	Iodine(III)-Mediated/Catalyzed Cycloisomerization-Amination Sequence of N-Propargyl Carboxamides. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3243-3247.	4.3	31

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37	2-Iodoxybenzoic Acid Tosylates: the Alternative to Dess-Martin Periodinane Oxidizing Reagents. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3207-3216.	4.3	15
38	Preparation, Structure, and Reactivity of Pseudocyclic Benziiodoxole Tosylates: New Hypervalent Iodine Oxidants and Electrophiles. <i>Chemistry - A European Journal</i> , 2017, 23, 691-695.	3.3	25
39	Oxidation of sulfides using recyclable pseudocyclic benziiodoxole triflate. <i>Arkivoc</i> , 2017, 2017, 32-40.	0.5	0
40	Oxidative cyclizations of oximes using hypervalent iodine reagents. <i>Arkivoc</i> , 2017, 2017, 99-116.	0.5	14
41	Iodonium ylides in organic synthesis. <i>Arkivoc</i> , 2017, 2016, 342-374.	0.5	53
42	Oxidative Cycloaddition of Aldoximes with Maleimides using Catalytic Hydroxy(aryl)iodonium Species. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2340-2344.	4.3	27
43	Hypervalent Iodine-Catalyzed Synthesis of 1,2,4-Oxadiazoles from Aldoximes and Nitriles. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 1128-1133.	2.7	25
44	Synthetic applications of pseudocyclic hypervalent iodine compounds. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4771-4781.	2.8	77
45	Catalytic Cycloisomerization-Fluorination Sequence of <i>N</i> -Propargyl Amides by Iodoarene/HF $\cdot$ Pyridine/Selectfluor Systems. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 1314-1317.	2.7	23
46	Mild and efficient synthesis of iodylarenes using Oxone as oxidant. <i>Tetrahedron Letters</i> , 2016, 57, 4254-4256.	1.4	20
47	Advances in Synthetic Applications of Hypervalent Iodine Compounds. <i>Chemical Reviews</i> , 2016, 116, 3328-3435.	47.7	1,418
48	Preparation, X-ray Structure, and Reactivity of Triisopropylsilyl-Substituted Aryliodonium Salts. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4831-4834.	2.4	8
49	Preparation, structure, and versatile reactivity of pseudocyclic benziiodoxole triflate, new hypervalent iodine reagent. <i>Chemical Communications</i> , 2015, 51, 7835-7838.	4.1	59
50	Metal-Free [2+2+1] Annulation of Alkynes, Nitriles and Nitrogen Atoms from Iminoiodanes for Synthesis of Highly Substituted Imidazoles. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 667-671.	4.3	38
51	Preparation and X-ray Structural Study of Dibenziodolium Derivatives. <i>Journal of Organic Chemistry</i> , 2015, 80, 5783-5788.	3.2	44
52	Saccharin-Based $\lambda^4$ -Oxo Iminoiodane: A Readily Available and Highly Reactive Reagent for Electrophilic Amination. <i>Chemistry - A European Journal</i> , 2015, 21, 5328-5331.	3.3	39
53	Tetra- <i>n</i> -butylammonium Iodide Catalyzed C-H Azidation of Aldehydes with Thermally Stable Azidobenziiodoxolone. <i>Organic Letters</i> , 2015, 17, 5212-5215.	4.6	58
54	Hypoiodite-Mediated Cyclopropanation of Alkenes. <i>Chemistry - A European Journal</i> , 2014, 20, 5895-5898.	3.3	10

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55	Hypoiodite-Mediated Catalytic Cyclopropanation of Alkenes with Malononitrile. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3336-3340.	4.3	23
56	Binuclear iron(III) octakis(perfluorophenyl)tetraazaporphyrin $\frac{1}{4}$ -oxodimer: a highly efficient catalyst for biomimetic oxygenation reactions. <i>Tetrahedron Letters</i> , 2014, 55, 5687-5690.	1.4	21
57	Synthesis of 1,2,4-Thiadiazoles by Oxidative Dimerization of Carbothioamides by Using Oxone. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5149-5152.	2.4	28
58	Hypervalent Iodine Catalyzed Generation of Nitrile Oxides from Oximes and their Cycloaddition with Alkenes or Alkynes. <i>Organic Letters</i> , 2013, 15, 4010-4013.	4.6	133
59	2-Iodoxybenzoic acid organosulfonates: preparation, X-ray structure and reactivity of new, powerful hypervalent iodine(V) oxidants. <i>Chemical Communications</i> , 2013, 49, 11269.	4.1	21
60	Hypoiodite mediated synthesis of isoxazolines from aldoximes and alkenes using catalytic KI and Oxone as the terminal oxidant. <i>Chemical Communications</i> , 2013, 49, 4800.	4.1	60
61	Hypervalent Iodine Catalyzed Hofmann Rearrangement of Carboxamides Using Oxone as Terminal Oxidant. <i>Journal of Organic Chemistry</i> , 2012, 77, 11399-11404.	3.2	59
62	New highly soluble dimedone-derived iodonium ylides: preparation, X-ray structure, and reaction with carbodiimide leading to oxazole derivatives. <i>Chemical Communications</i> , 2012, 48, 10108.	4.1	48
63	(Tosylimino)phenyl- $\lambda^3$ -iodane as a Reagent for the Synthesis of Methyl Carbamates via Hofmann Rearrangement of Aromatic and Aliphatic Carboxamides. <i>Journal of Organic Chemistry</i> , 2012, 77, 2087-2091.	3.2	69
64	Design, Preparation, X-ray Crystal Structure, and Reactivity of <i>o</i> -Alkoxyphenyliodonium Bis(methoxycarbonyl)methanide, a Highly Soluble Carbene Precursor. <i>Organic Letters</i> , 2012, 14, 3170-3173.	4.6	83
65	Hypoiodite-Mediated Metal-Free Catalytic Aziridination of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8059-8062.	13.8	66
66	Facile preparation and reactivity of bifunctional ionic liquid-supported hypervalent iodine reagent: a convenient recyclable reagent for catalytic oxidation. <i>Tetrahedron Letters</i> , 2012, 53, 1438-1444.	1.4	42
67	SiO <sub>2</sub> -supported RuCl <sub>3</sub> ·3-(dichloroiodo)benzoic acid: green catalytic system for the oxidation of alcohols and sulfides in water. <i>RSC Advances</i> , 2011, 1, 973.	3.6	20
68	Oxidation of Primary Aliphatic and Aromatic Aldehydes with Difluoro(aryl)- $\lambda^3$ -bromane. <i>Organic Letters</i> , 2011, 13, 5568-5571.	4.6	34
69	Preparation, X-ray Structure, and Reactivity of 2-Iodylpyridines: Recyclable Hypervalent Iodine(V) Reagents. <i>Journal of Organic Chemistry</i> , 2011, 76, 3812-3819.	3.2	35
70	<i>o</i> -Alkoxyphenyliminoiodanes: Highly Efficient Reagents for the Catalytic Aziridination of Alkenes and the Metal-Free Amination of Organic Substrates. <i>Chemistry - A European Journal</i> , 2011, 17, 10538-10541.	3.3	86
71	Metalloporphyrin/Iodine(III)-Cocatalyzed Oxygenation of Aromatic Hydrocarbons. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1455-1460.	4.3	23
72	Hypervalent $\lambda^3$ -Bromane Strategy for Baeyer-Villiger Oxidation: Selective Transformation of Primary Aliphatic and Aromatic Aldehydes to Formates, Which is Missing in the Classical Baeyer-Villiger Oxidation. <i>Journal of the American Chemical Society</i> , 2010, 132, 9236-9239.	13.7	51

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73	Oxidation of benzyl alcohols with difluoro(aryl)- $\lambda^3$ -bromane: formation of benzyl fluoromethyl ethers via oxidative rearrangement. <i>Tetrahedron Letters</i> , 2009, 50, 4792-4795.	1.4	18
74	Difluoro- $\lambda^3$ -bromane-Induced Hofmann Rearrangement of Sulfonamides: Synthesis of Sulfamoyl Fluorides. <i>Journal of the American Chemical Society</i> , 2009, 131, 8392-8393.	13.7	41
75	Imido transfer of sulfonylimino- $\lambda^3$ -bromane makes possible the synthesis of sulfonylimino- $\lambda^3$ -iodanes. <i>Chemical Communications</i> , 2009, , 959.	4.1	18
76	Rhodium(II)-Catalyzed Transylidation of Aryliodonium Ylides: Electronic Effects of Aryl Groups Determine Their Thermodynamic Stabilities. <i>Organic Letters</i> , 2008, 10, 1425-1428.	4.6	30
77	Difluoro- $\lambda^3$ -Bromane-Induced Oxidative Carbon-Carbon Bond-Forming Reactions: Ethanol as an Electrophilic Partner and Alkynes as Nucleophiles. <i>Journal of the American Chemical Society</i> , 2008, 130, 3742-3743.	13.7	46
78	Internal Delivery of Soft Chlorine and Bromine Atoms: Stereoselective Synthesis of ( <i>E</i> )- $\lambda^2$ -Halogenovinyl(aryl)- $\lambda^3$ -iodanes through Domino $\lambda^3$ -Iodination/ $\lambda^1,4$ -Halogen Shift/Fluorination of Alkynes. <i>Organic Letters</i> , 2007, 9, 3335-3338.	4.6	40