

Akichika Itoh

List of Publications by Year in descending order

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69
papers

1,573
citations

257450

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docs citations

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times ranked

1576
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-Free Direct C-H Perfluoroalkylation of Arenes and Heteroarenes Using a Photoredox Organocatalyst. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2203-2207.	4.3	152
2	Sequential Photo-oxidative [3 + 2] Cycloaddition/Oxidative Aromatization Reactions for the Synthesis of Pyrrolo[2,1- <i>a</i>]isoquinolines Using Molecular Oxygen as the Terminal Oxidant. <i>Journal of Organic Chemistry</i> , 2016, 81, 7262-7270.	3.2	70
3	Cross-Dehydrogenative C-H Amination of Indoles under Aerobic Photo-oxidative Conditions. <i>Organic Letters</i> , 2017, 19, 1282-1285.	4.6	70
4	Molecular-iodine-catalyzed aerobic oxidative synthesis of β -hydroxy sulfones from alkenes. <i>RSC Advances</i> , 2014, 4, 13191-13194.	3.6	62
5	Photoinduced Generation of Acyl Radicals from Simple Aldehydes, Access to 3-Acyl-4-arylcoumarin Derivatives, and Evaluation of Their Antiandrogenic Activities. <i>Journal of Organic Chemistry</i> , 2018, 83, 1988-1996.	3.2	57
6	Facile aerobic photooxidation of methyl group in the aromatic nucleus in the presence of an organocatalyst under VIS irradiation. <i>Green Chemistry</i> , 2011, 13, 1669.	9.0	54
7	Tandem Oxidation/Rearrangement of β -Ketoesters to Tartronic Esters with Molecular Oxygen Catalyzed by Calcium Iodide under Visible Light Irradiation with Fluorescent Lamp. <i>Organic Letters</i> , 2010, 12, 1948-1951.	4.6	47
8	One-Pot Metal-Free Syntheses of Acetophenones from Styrenes through Aerobic Photo-oxidation and Deiodination with Iodine. <i>Organic Letters</i> , 2011, 13, 2576-2579.	4.6	43
9	Photo-oxidative Cross-Dehydrogenative Coupling-Type Reaction of Thiophenes with β -Position of Carbonyls Using a Catalytic Amount of Molecular Iodine. <i>Organic Letters</i> , 2017, 19, 1610-1613.	4.6	43
10	A facile catalyst-free synthesis of gem-dihydroperoxides with aqueous hydrogen peroxide. <i>Chemical Communications</i> , 2010, 46, 1772.	4.1	36
11	In Situ-Generated Halogen-Bonding Complex Enables Atom Transfer Radical Addition (ATRA) Reactions of Olefins. <i>Journal of Organic Chemistry</i> , 2020, 85, 10574-10583.	3.2	36
12	Intermolecular Cyclopropanation of Styrenes Using Iodine and Visible Light via Carbon-Iodine Bond Cleavage. <i>Organic Letters</i> , 2016, 18, 8-11.	4.6	33
13	Visible-Light-Mediated Iminyl Radical Generation from Benzyl Oxime Ether: Synthesis of Pyrroline via Hydroimination Cyclization. <i>Organic Letters</i> , 2018, 20, 5714-5717.	4.6	33
14	Aerobic photooxidation of benzylamide under visible light irradiation with a combination of 48% aq HBr and Ca(OH) ₂ . <i>Tetrahedron Letters</i> , 2010, 51, 6098-6100.	1.4	32
15	4-Hydroperoxy-2-decenoic acid ethyl ester protects against 6-hydroxydopamine-induced cell death via activation of Nrf2-ARE and eIF2 β -ATF4 pathways. <i>Neurochemistry International</i> , 2018, 112, 288-296.	3.8	32
16	Direct aerobic photo-oxidative syntheses of aromatic methyl esters from methyl aromatics using anthraquinone-2,3-dicarboxylic acid as organophotocatalyst. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 616.	2.9	31
17	Efficient generation of hydrogen peroxide by aerobic photooxidation of 2-propanol using anthraquinone-2-carboxylic acid and one-pot epoxidation of α,β -unsaturated ketones. <i>Tetrahedron Letters</i> , 2013, 54, 162-165.	1.4	30
18	Aerobic photooxidative synthesis of benzimidazoles from aromatic aldehydes and diamines using catalytic amounts of magnesium iodide. <i>Tetrahedron Letters</i> , 2014, 55, 6543-6546.	1.4	30

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19	Synthetic Method for the Preparation of Quinazolines by the Oxidation of Amines Using Singlet Oxygen. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 432-435.	2.7	30
20	Synthesis of <i>cis</i> - β^2 -Amidevinyl Benziiodoxolones from the Ethynyl Benziiodoxolone-Chloroform Complex and Sulfonamides. <i>Organic Letters</i> , 2019, 21, 9769-9773.	4.6	29
21	2-Chloroanthraquinone-catalyzed aerobic photo-oxidative synthesis of diacylamines from benzylamides. <i>Tetrahedron Letters</i> , 2014, 55, 3160-3162.	1.4	28
22	Royal Jelly Constituents Increase the Expression of Extracellular Superoxide Dismutase through Histone Acetylation in Monocytic THP-1 Cells. <i>Journal of Natural Products</i> , 2016, 79, 1137-1143.	3.0	28
23	Facile Aerobic Photooxidation of Alcohols Using 2-Chloroanthraquinone under Visible Light Irradiation. <i>Synthesis</i> , 2013, 45, 2684-2688.	2.3	27
24	Metal-free synthesis of imidazopyridine from nitroalkene and 2-aminopyridine in the presence of a catalytic amount of iodine and aqueous hydrogen peroxide. <i>RSC Advances</i> , 2015, 5, 9591-9593.	3.6	25
25	Synthesis, Characterization, and Reactivity of an Ethynyl Benziiodoxolone (EBX)-Acetonitrile Complex. <i>Organic Letters</i> , 2019, 21, 1098-1102.	4.6	25
26	Aerobic Photooxidative Carbon-Carbon Bond Formation Between Tertiary Amines and Carbon Nucleophiles Using 2-Chloroanthra-9,10-quinone. <i>Synlett</i> , 2014, 25, 1453-1457.	1.8	24
27	Atom-Transfer Radical Addition Photocatalysis Using a Heteroleptic Copper Complex. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2435-2438.	2.7	24
28	Calcium iodide catalyzed photooxidative oxylactonization of oxocarboxylic acids using molecular oxygen as terminal oxidant. <i>Tetrahedron Letters</i> , 2013, 54, 256-258.	1.4	23
29	Rare Metal-Free Photo-Aerobic Intramolecular Dehydrogenative Cyclization Reaction towards Polycyclic Heteroarenes. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3191-3195.	4.3	22
30	A Study of Aerobic Photooxidation with a Continuous-Flow Microreactor. <i>Synlett</i> , 2015, 26, 412-415.	1.8	21
31	Photooxidative Keto-Trifluoromethylation of Styrenes by Means of an Anthraquinone-Based Organocatalyst. <i>Synthesis</i> , 2018, 50, 3161-3168.	2.3	21
32	Intermolecular Tandem Addition/Esterification Reaction of Alkenes with Malonates Leading to β -Lactones Mediated by Molecular Iodine under Visible Light Irradiation. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3883-3887.	4.3	20
33	Visible Light/Molecular-Iodine-Mediated Intermolecular Spirolactonization Reaction of Olefins with Cyclic Ketones. <i>Journal of Organic Chemistry</i> , 2019, 84, 9519-9531.	3.2	18
34	Olefin Bifunctionalization: A Visible-Light Photoredox-catalyzed Aryl Alkoxylation of Olefins. <i>Chemistry - an Asian Journal</i> , 2019, 14, 121-124.	3.3	18
35	Transition-Metal-Free Synthesis of Phenanthridinones through Visible-Light-Driven Oxidative C-H Amidation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1496-1504.	2.4	18
36	Aerobic Photooxidative Synthesis of Secondary Aldimines from Benzylamines by Using Methylene Blue. <i>Synlett</i> , 2015, 26, 1705-1709.	1.8	15

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37	Nickel Catalyzed Intermolecular Carbonyl Addition of Aryl Halide. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7483-7487.	2.4	15
38	<i>cis</i> -Alkenylation of hydroxamic acid derivatives with ethynyl benziodoxolone to synthesize <i>cis</i> -enamides through vinyl benziodoxolones. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2442-2447.	2.8	15
39	Facile and efficient synthesis of hydroxyalkyl esters from cyclic acetals through aerobic photo-oxidation using anthraquinone-2-carboxylic acid. <i>Tetrahedron Letters</i> , 2015, 56, 1973-1975.	1.4	14
40	One-pot epoxidation of alkenes using aerobic photoperoxidation of toluenes. <i>Tetrahedron Letters</i> , 2016, 57, 230-232.	1.4	13
41	<i>trans</i> -Diastereoselective Syntheses of β -Lactones by Visible Light-Iodine-Mediated Carboesterification of Alkenes. <i>ACS Omega</i> , 2019, 4, 4856-4870.	3.5	13
42	Three-Component Iminolactonization Reaction via Bifunctionalization of Olefins Using Molecular Iodine and Visible Light. <i>Journal of Organic Chemistry</i> , 2020, 85, 10709-10718.	3.2	13
43	Ligand-Enabled Copper-Catalyzed N-Alkynylation of Sulfonamide with Alkynyl Benziodoxolone: Synthesis of Amino Acid-Derived Ynamide. <i>Journal of Organic Chemistry</i> , 2021, 86, 4699-4713.	3.2	13
44	Photoinduced Atom Transfer Radical Addition Reaction of Olefins with α -Bromo Carbonyls. <i>Chemical and Pharmaceutical Bulletin</i> , 2021, 69, 796-801.	1.3	13
45	Synthesis, Characterization, and Reaction of a Both Inter- and Intramolecularly Coordinated Pseudocyclic Iodosylbenzene-Trifluoroacetic Acid Complexes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 550-556.	2.4	12
46	Aerobic photooxidative bromination of aromatic compounds using carbon tetrabromide mediated by anthraquinone-2-carboxylic acid. <i>Tetrahedron Letters</i> , 2015, 56, 5886-5888.	1.4	11
47	Induction of Human-Lung-Cancer-A549-Cell Apoptosis by 4-Hydroperoxy-2-decenoic Acid Ethyl Ester through Intracellular ROS Accumulation and the Induction of Proapoptotic CHOP Expression. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 10741-10747.	5.2	11
48	Synthesis of Phenol-Derived <i>cis</i> -Vinyl Ethers Using Ethynyl Benziodoxolone. <i>Chemistry - an Asian Journal</i> , 2020, 15, 4000-4004.	3.3	11
49	Facile Aerobic Photo-Oxidative Synthesis of Phenacyl Iodides and Bromides from Styrenes Using I ₂ or Aqueous HBr. <i>Synlett</i> , 2010, 2010, 2335-2339.	1.8	10
50	Organic dye-catalyzed radical ring expansion reaction. <i>RSC Advances</i> , 2018, 8, 15825-15830.	3.6	10
51	Photoinduced Atom Transfer Radical Addition/Cyclization Reaction between Alkynes or Alkenes with Unsaturated α -Halogenated Carbonyls. <i>Molecules</i> , 2021, 26, 6781.	3.8	9
52	Catalytic Oxidative Cleavage of 1,3-Diketones to Carboxylic Acids by Aerobic Photooxidation with Iodine. <i>Synlett</i> , 2011, 2011, 2896-2900.	1.8	8
53	Direct lactonization from 1,3-dienes and malonate esters mediated by a combination of iodine and visible light. <i>Tetrahedron Letters</i> , 2019, 60, 151284.	1.4	8
54	Regioselective Carboiodination of Styrenes: α -Iodosuccinimide Affords Complete Reaction Regioselectivity. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 210-213.	2.7	8

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55	Direct Synthesis of 1,2-Diketones by Catalytic Aerobic Oxidative Decarboxylation of 1,3-Diketones with Iodine and Base under Irradiation of Fluorescent Light. <i>Synlett</i> , 2010, 2010, 1979-1983.	1.8	7
56	Anti-Oncogenic gem-Dihydroperoxides Induce Apoptosis in Cancer Cells by Trapping Reactive Oxygen Species. <i>International Journal of Molecular Sciences</i> , 2016, 17, 71.	4.1	7
57	Aerobic Photooxidative Synthesis of α -Alkoxy Monohydroperoxides Using an Organo Photoredox Catalyst Controlled by a Base. <i>Chemistry - an Asian Journal</i> , 2018, 13, 409-412.	3.3	6
58	Synthesis of bicyclic lactones via I ₂ -mediated intramolecular tandem C-C/O bond formation. <i>Tetrahedron</i> , 2018, 74, 2985-2990.	1.9	6
59	Effects of gem-dihydroperoxides against mutant copper-zinc superoxide dismutase-mediated neurotoxicity. <i>Molecular and Cellular Neurosciences</i> , 2018, 92, 177-184.	2.2	5
60	Visible Light and Molecular Iodine-Mediated Diastereoselective Intermolecular Lactonization of Styrenes with Carbonyls. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 571-574.	2.7	5
61	Discovery and SAR of Natural-Product-Inspired RXR Agonists with Heterodimer Selectivity to PPAR γ -RXR. <i>ACS Chemical Biology</i> , 2020, 15, 1526-1534.	3.4	4
62	A Radical Reaction for the Synthesis of β -Substituted Dihydrothiopyrans under Photosensitized Conditions. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1061-1065.	2.7	3
63	Ruthenium polypyridyl complex-catalysed aryl alkoxylation of styrenes: improving reactivity using a continuous flow photo-microreactor. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 995-999.	3.7	3
64	Iodine-mediated direct α -amination of dimethyl methylmalonate using non-protected amines. <i>Tetrahedron Letters</i> , 2021, 77, 153251.	1.4	3
65	Selenonium ylides: synthesis, characterization, and applications to photo-induced cyclopropanation reactions. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 813-818.	2.9	3
66	Inhibitory effects of 4-hydroperoxy-2-decenoic acid ethyl ester on phorbol ester- and TGF- β 1-induced MMPs expression. <i>Free Radical Research</i> , 2019, 53, 1051-1059.	3.3	2
67	The Novel gem-Dihydroperoxide 12AC3O Suppresses High Phosphate-Induced Calcification via Antioxidant Effects in p53LMAc1 Smooth Muscle Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4628.	4.1	2
68	Synthesis of Indolines via a Photocatalytic Intramolecular Reductive Cyclization Reaction. <i>Heterocycles</i> , 2020, 101, 177.	0.7	2
69	Photo-Driven Catalytic Cross-Dehydrogenative Coupling (CDC)-Type Reactions. , 2019, , 413-444.		1