Akichika Itoh

List of Publications by Year
in descending order

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69 papers	1,573 citations	257450 24 h-index	345221 36 g-index
70 all docs	70 docs citations	70 times ranked	1576 citing authors

#	Article	IF	Citations
1	Selenonium ylides: synthesis, characterization, and applications to photo-induced cyclopropanation reactions. Photochemical and Photobiological Sciences, 2022, 21, 813-818.	2.9	3
2	N-Alkenylation of hydroxamic acid derivatives with ethynyl benziodoxolone to synthesize cis-enamides through vinyl benziodoxolones. Organic and Biomolecular Chemistry, 2021, 19, 2442-2447.	2.8	15
3	Ligand-Enabled Copper-Catalyzed N-Alkynylation of Sulfonamide with Alkynyl Benziodoxolone: Synthesis of Amino Acid-Derived Ynamide. Journal of Organic Chemistry, 2021, 86, 4699-4713.	3.2	13
4	Iodine-mediated direct Î±-amination of dimethyl methylmalonate using non-protected amines. Tetrahedron Letters, 2021, 77, 153251.	1.4	3
5	Photoinduced Atom Transfer Radical Addition Reaction of Olefins with Î±-Bromo Carbonyls. Chemical and Pharmaceutical Bulletin, 2021, 69, 796-801.	1.3	13
6	Photoinduced Atom Transfer Radical Addition/Cyclization Reaction between Alkynes or Alkenes with Unsaturated Î±-Halogenated Carbonyls. Molecules, 2021, 26, 6781.	3.8	9
7	Transitionâ€Metalâ€Free Synthesis of Phenanthridinones through Visibleâ€Lightâ€Driven Oxidative Câ€“H Amidation. European Journal of Organic Chemistry, 2020, 2020, 1496-1504.	2.4	18
8	Synthesis of Phenolâ€Derived cisâ€Vinyl Ethers Using Ethynyl Benziodoxolone. Chemistry - an Asian Journal, 2020, 15, 4000-4004.	3.3	11
9	In Situ-Generated Halogen-Bonding Complex Enables Atom Transfer Radical Addition (ATRA) Reactions of Olefins. Journal of Organic Chemistry, 2020, 85, 10574-10583.	3.2	36
10	Three-Component Iminolactonization Reaction via Bifunctionalization of Olefins Using Molecular Iodine and Visible Light. Journal of Organic Chemistry, 2020, 85, 10709-10718.	3.2	13
11	Discovery and SAR of Natural-Product-Inspired RXR Agonists with Heterodimer Selectivity to PPARÎ³-RXR. ACS Chemical Biology, 2020, 15, 1526-1534.	3.4	4
12	Visible Light and Molecular Iodineâ€Mediated Diastereoselective Intermolecular Lactonization of Styrenes with Carbonyls. Asian Journal of Organic Chemistry, 2020, 9, 571-574.	2.7	5
13	The Novel gem-Dihydroperoxide 12AC3O Suppresses High Phosphate-Induced Calcification via Antioxidant Effects in p53LMAco1 Smooth Muscle Cells. International Journal of Molecular Sciences, 2020, 21, 4628.	4.1	2
14	Regioselective Carboiodination of Styrenes: Nâ€Iodosuccinimide Affords Complete Reaction Regioselectivity. Asian Journal of Organic Chemistry, 2020, 9, 210-213.	2.7	8
15	Synthesis of Indolines via a Photocatalytic Intramolecular Reductive Cyclization Reaction. Heterocycles, 2020, 101, 177.	0.7	2
16	Direct lactonization from 1,3-dienes and malonate esters mediated by a combination of iodine and visible light. Tetrahedron Letters, 2019, 60, 151284.	1.4	8
17	Inhibitory effects of 4-hydroperoxy-2-decenoic acid ethyl ester on phorbol ester- and TGF-Î²1-induced MMPs expression. Free Radical Research, 2019, 53, 1051-1059.	3.3	2
18	Synthesis, Characterization, and Reactivity of an Ethynyl Benziodoxolone (EBX)â€“Acetonitrile Complex. Organic Letters, 2019, 21, 1098-1102.	4.6	25

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19	Visible Light/Molecular-Iodine-Mediated Intermolecular Spirolactonization Reaction of Olefins with Cyclic Ketones. Journal of Organic Chemistry, 2019, 84, 9519-9531.	3.2	18
20	Ruthenium polypyridyl complex-catalysed aryl alkoxylation of styrenes: improving reactivity using a continuous flow photo-microreactor. Reaction Chemistry and Engineering, 2019, 4, 995-999.	3.7	3
21	trans-Diastereoselective Syntheses of Î³-Lactones by Visible Light-Iodine-Mediated Carboesterification of Alkenes. ACS Omega, 2019, 4, 4856-4870.	3.5	13
22	Synthesis of cis-Î²-Amidevinyl Benziodoxolones from the Ethynyl Benziodoxoloneâ€“Chloroform Complex and Sulfonamides. Organic Letters, 2019, 21, 9769-9773.	4.6	29
23	Nickel Catalyzed Intermolecular Carbonyl Addition of Aryl Halide. European Journal of Organic Chemistry, 2019, 2019, 7483-7487.	2.4	15
24	Olefin Bifunctionalization: A Visibleâ€light Photoredoxâ€catalyzed Aryl Alkoxylation of Olefins. Chemistry - an Asian Journal, 2019, 14, 121-124.	3.3	18
25	Photo-Driven Catalytic Cross-Dehydrogenative Coupling (CDC)-Type Reactions. , 2019, , 413-444.		1
26	A Radical Reaction for the Synthesis of 3â€Substituted Dihydrothiopyrans under Photosensitized Conditions. Asian Journal of Organic Chemistry, 2018, 7, 1061-1065.	2.7	3
27	Photoinduced Generation of Acyl Radicals from Simple Aldehydes, Access to 3-Acyl-4-arylcoumarin Derivatives, and Evaluation of Their Antiandrogenic Activities. Journal of Organic Chemistry, 2018, 83, 1988-1996.	3.2	57
28	Aerobic Photooxidative Synthesis of Î²â€Alkoxy Monohydroperoxides Using an Organo Photoredox Catalyst Controlled by a Base. Chemistry - an Asian Journal, 2018, 13, 409-412.	3.3	6
29	Synthesis of bicyclic lactones via I2-mediated intramolecular tandem Câ€“C/Câ€“O bond formation. Tetrahedron, 2018, 74, 2985-2990.	1.9	6
30	Organic dye-catalyzed radical ring expansion reaction. RSC Advances, 2018, 8, 15825-15830.	3.6	10
31	4-Hydroperoxy-2-decenoic acid ethyl ester protects against 6-hydroxydopamine-induced cell death via activation of Nrf2-ARE and eIF2Î±-ATF4 pathways. Neurochemistry International, 2018, 112, 288-296.	3.8	32
32	Synthesis, Characterization, and Reaction of a Both Interâ€and Intramolecularly Coordinated Pseudocyclic Iodosylbenzeneâ€“Trifluoroacetic Acid Complexes. European Journal of Organic Chemistry, 2018, 2018, 550-556.	2.4	12
33	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. Journal of Agricultural and Food Chemistry, 2018, 66, 10741-10747.	5.2	11
34	Atomâ€Transfer Radical Addition Photocatalysis Using a Heteroleptic Copper Complex. Asian Journal of Organic Chemistry, 2018, 7, 2435-2438.	2.7	24
35	Visible-Light-Mediated Iminyl Radical Generation from Benzyl Oxime Ether: Synthesis of Pyrroline via Hydroimination Cyclization. Organic Letters, 2018, 20, 5714-5717.	4.6	33
36	Effects of gem-dihydroperoxides against mutant copperâ€zinc superoxide dismutase-mediated neurotoxicity. Molecular and Cellular Neurosciences, 2018, 92, 177-184.	2.2	5

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37	Photooxidative Keto-Trifluoromethylation of Styrenes by Means of an Anthraquinone-Based Organocatalyst. Synthesis, 2018, 50, 3161-3168.	2.3	21
38	Cross-Dehydrogenative Câ€“H Amination of Indoles under Aerobic Photo-oxidative Conditions. Organic Letters, 2017, 19, 1282-1285.	4.6	70
39	Photo-oxidative Cross-Dehydrogenative Coupling-Type Reaction of Thiophenes with Î±-Position of Carbonyls Using a Catalytic Amount of Molecular Iodine. Organic Letters, 2017, 19, 1610-1613.	4.6	43
40	Intermolecular Tandem Addition/Esterification Reaction of Alkenes with Malonates Leading to Î³â€Ł actones Mediated by Molecular Iodine under Visible Light Irradiation. Advanced Synthesis and Catalysis, 2017, 359, 3883-3887.	4.3	20
41	Synthetic Method for the Preparation of Quinazolines by the Oxidation of Amines Using Singlet Oxygen. Asian Journal of Organic Chemistry, 2017, 6, 432-435.	2.7	30
42	Anti-Oncogenic gem-Dihydroperoxides Induce Apoptosis in Cancer Cells by Trapping Reactive Oxygen Species. International Journal of Molecular Sciences, 2016, 17, 71.	4.1	7
43	Sequential Photo-oxidative [3 + 2] Cycloaddition/Oxidative Aromatization Reactions for the Synthesis of Pyrrolo[2,1-a]isoquinolines Using Molecular Oxygen as the Terminal Oxidant. Journal of Organic Chemistry, 2016, 81, 7262-7270.	3.2	70
44	Royal Jelly Constituents Increase the Expression of Extracellular Superoxide Dismutase through Histone Acetylation in Monocytic THP-1 Cells. Journal of Natural Products, 2016, 79, 1137-1143.	3.0	28
45	Rare Metalâ€Free Photoâ€Aerobic Intramolecular Dehydrogenative Cyclization Reaction towards Polycyclic Heteroarenes. Advanced Synthesis and Catalysis, 2016, 358, 3191-3195.	4.3	22
46	Intermolecular Cyclopropanation of Styrenes Using Iodine and Visible Light via Carbonâ€“Iodine Bond Cleavage. Organic Letters, 2016, 18, 8-11.	4.6	33
47	One-pot epoxidation of alkenes using aerobic photoperoxidation of toluenes. Tetrahedron Letters, 2016, 57, 230-232.	1.4	13
48	Metal-free synthesis of imidazopyridine from nitroalkene and 2-aminopyridine in the presence of a catalytic amount of iodine and aqueous hydrogen peroxide. RSC Advances, 2015, 5, 9591-9593.	3.6	25
49	A Study of Aerobic Photooxidation with a Continuous-Flow Microreactor. Synlett, 2015, 26, 412-415.	1.8	21
50	Facile and efficient synthesis of hydroxyalkyl esters from cyclic acetals through aerobic photo-oxidation using anthraquinone-2-carboxylic acid. Tetrahedron Letters, 2015, 56, 1973-1975.	1.4	14
51	Aerobic Photooxidative Synthesis of Secondary Aldimines from Benzylamines by Using Methylene Blue. Synlett, 2015, 26, 1705-1709.	1.8	15
52	Aerobic photooxidative bromination of aromatic compounds using carbon tetrabromide mediated by anthraquinone-2-carboxylic acid. Tetrahedron Letters, 2015, 56, 5886-5888.	1.4	11
53	Aerobic Photooxidative Carbonâ€“Carbon Bond Formation Between Tertiary Amines and Carbon Nucleophiles Using 2-Chloroanthra-9,10-quinone. Synlett, 2014, 25, 1453-1457.	1.8	24
54	2-Chloroanthraquinone-catalyzed aerobic photo-oxidative synthesis of diacylamines from benzylamides. Tetrahedron Letters, 2014, 55, 3160-3162.	1.4	28

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55	Molecular-iodine-catalyzed aerobic oxidative synthesis of Î²-hydroxy sulfones from alkenes. RSC Advances, 2014, 4, 13191-13194.	3.6	62
56	Aerobic photooxidative synthesis of benzimidazoles from aromatic aldehydes and diamines using catalytic amounts of magnesium iodide. Tetrahedron Letters, 2014, 55, 6543-6546.	1.4	30
57	Metalâ€Free Direct Cï£¿H Perfluoroalkylation of Arenes and Heteroarenes Using a Photoredox Organocatalyst. Advanced Synthesis and Catalysis, 2013, 355, 2203-2207.	4.3	152
58	Calcium iodide catalyzed photooxidative oxylactonization of oxocarboxylic acids using molecular oxygen as terminal oxidant. Tetrahedron Letters, 2013, 54, 256-258.	1.4	23
59	Efficient generation of hydrogen peroxide by aerobic photooxidation of 2-propanol using anthraquinone-2-carboxylic acid and one-pot epoxidation of Î±,Î²-unsaturated ketones. Tetrahedron Letters, 2013, 54, 162-165.	1.4	30
60	Facile Aerobic Photooxidation of Alcohols Using 2-Chloroanthraquinone under Visible Light Irradiation. Synthesis, 2013, 45, 2684-2688.	2.3	27
61	Direct aerobic photo-oxidative syntheses of aromatic methyl esters from methyl aromatics using anthraquinone-2,3-dicarboxylic acid as organophotocatalyst. Photochemical and Photobiological Sciences, 2012, 11, 616.	2.9	31
62	One-Pot Metal-Free Syntheses of Acetophenones from Styrenes through Aerobic Photo-oxidation and Deiodination with Iodine. Organic Letters, 2011, 13, 2576-2579.	4.6	43
63	Facile aerobic photooxidation of methyl group in the aromatic nucleus in the presence of an organocatalyst under VIS irradiation. Green Chemistry, 2011, 13, 1669.	9.0	54
64	Catalytic Oxidative Cleavage of 1,3-Diketones to Carboxylic Acids by Aerobic Photooxidation with Iodine. Synlett, 2011, 2011, 2896-2900.	1.8	8
65	Aerobic photooxidation of benzylamide under visible light irradiation with a combination of 48% aq HBr and Ca(OH)2. Tetrahedron Letters, 2010, 51, 6098-6100.	1.4	32
66	Facile Aerobic Photo-Oxidative Synthesis of Phenacyl Iodides and Bromides from Styrenes Using I2 or Aqueous HBr. Synlett, 2010, 2010, 2335-2339.	1.8	10
67	Direct Synthesis of 1,2-Diketones by Catalytic Aerobic Oxidative Decarboxylation of 1,3-Diketones with Iodine and Base under Irradiation of Fluorescent Light. Synlett, 2010, 2010, 1979-1983.	1.8	7
68	Tandem Oxidation/Rearrangement of Î²-Ketoesters to Tartronic Esters with Molecular Oxygen Catalyzed by Calcium Iodide under Visible Light Irradiation with Fluorescent Lamp. Organic Letters, 2010, 12, 1948-1951.	4.6	47
69	A facile catalyst-free synthesis of gem-dihydroperoxides with aqueous hydrogen peroxide. Chemical Communications, 2010, 46, 1772.	4.1	36