

Eiji Yamaguchi

List of Publications by Year in descending order

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64
papers

2,100
citations

279798

23
h-index

233421

45
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all docs

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docs citations

66
times ranked

2078
citing authors

#	ARTICLE	IF	CITATIONS
1	Enantioselective C-H Crotylation of Primary Alcohols via Hydrohydroxyalkylation of Butadiene. <i>Science</i> , 2012, 336, 324-327.	12.6	320
2	Chiral-Anion-Dependent Inversion of Diastereo- and Enantioselectivity in Carbonyl Crotylation via Ruthenium-Catalyzed Butadiene Hydrohydroxyalkylation. <i>Journal of the American Chemical Society</i> , 2012, 134, 20628-20631.	13.7	187
3	Direct Arylation of Simple Azoles Catalyzed by 1,10-Phenanthroline Containing Palladium Complexes: An Investigation of C4 Arylation of Azoles and the Synthesis of Triarylated Azoles by Sequential Arylation. <i>Journal of Organic Chemistry</i> , 2011, 76, 2680-2693.	3.2	122
4	Synthesis of Fluorescent 1,3-Diarylated Imidazo[1,5- <i>a</i>]pyridines: Oxidative Condensation/Cyclization of Aryl-2-Pyridylmethylamines and Aldehydes with Elemental Sulfur as an Oxidant. <i>Journal of Organic Chemistry</i> , 2009, 74, 3566-3568.	3.2	117
5	Synthesis of 2-Azaindolizines by Using an Iodine-Mediated Oxidative Desulfurization Promoted Cyclization of N-2-Pyridylmethyl Thioamides and an Investigation of Their Photophysical Properties. <i>Organic Letters</i> , 2006, 8, 5621-5624.	4.6	115
6	Synthesis of 1,3-diarylated imidazo[1,5- <i>a</i>]pyridines with a combinatorial approach: metal-catalyzed cross-coupling reactions of 1-halo-3-arylimidazo[1,5- <i>a</i>]pyridines with arylmetal reagents. <i>Tetrahedron</i> , 2009, 65, 5062-5073.	1.9	79
7	1-Alkynyl- and 1-Alkenyl-3-arylimidazo[1,5- <i>a</i>]pyridines: Synthesis, Photophysical Properties, and Observation of a Linear Correlation between the Fluorescent Wavelength and Hammett Substituent Constants. <i>Journal of Organic Chemistry</i> , 2011, 76, 6146-6158.	3.2	70
8	Sequential Photo-oxidative [3 + 2] Cycloaddition/Oxidative Aromatization Reactions for the Synthesis of Pyrrolo[2,1- <i>b</i>]isoquinolines Using Molecular Oxygen as the Terminal Oxidant. <i>Journal of Organic Chemistry</i> , 2016, 81, 7262-7270.	3.2	70
9	Cross-Dehydrogenative C-H Amination of Indoles under Aerobic Photo-oxidative Conditions. <i>Organic Letters</i> , 2017, 19, 1282-1285.	4.6	70
10	One-pot Sequential Direct C-H Bond Arylation of Azoles Catalyzed by [Pd(phen) ₂](PF ₆) ₂ : Synthetic Methods for Triarylated Azoles. <i>Journal of Organic Chemistry</i> , 2012, 77, 8815-8820.	3.2	69
11	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
12	Regio- and Diastereoselective C=C Coupling of α -Olefins and Styrenes to β -Hydroxy- α -oxindoles by Ru-Catalyzed Hydrohydroxyalkylation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8428-8431.	13.8	54
13	Direct Sequential C3 and C1 Arylation Reaction of Imidazo[1,5- <i>a</i>]pyridine Catalyzed by a 1,10-Phenanthroline-Palladium Complex. <i>Chemistry Letters</i> , 2011, 40, 939-940.	1.3	47
14	Direct <i>ortho</i> -Hydroxylation of 2-Phenylpyridines using Palladium(II) Chloride and Hydrogen Peroxide. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2017-2021.	4.3	44
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	Aerobic Photooxidative Synthesis of Phenols from Arylboronic Acids Using 2-Propanol as Solvent. <i>Synlett</i> , 2014, 25, 2613-2616.	1.8	25
23	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
24	Atom-Transfer Radical Addition Photocatalysis Using a Heteroleptic Copper Complex. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2435-2438.	2.7	24
25	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
26	A Study of Aerobic Photooxidation with a Continuous-Flow Microreactor. <i>Synlett</i> , 2015, 26, 412-415.	1.8	21
27	Photooxidative Keto-Trifluoromethylation of Styrenes by Means of an Anthraquinone-Based Organocatalyst. <i>Synthesis</i> , 2018, 50, 3161-3168.	2.3	21
28	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
29	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
30	Olefin Bifunctionalization: A Visible-Light Photoredox-Catalyzed Aryl Alkoxylation of Olefins. <i>Chemistry - an Asian Journal</i> , 2019, 14, 121-124.	3.3	18
31	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
32	Metal-Free Oxidative Amidation of Aromatic Aldehydes using an Anthraquinone-Based Organophotocatalyst. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1411-1414.	2.7	17
33	Nickel Catalyzed Intermolecular Carbonyl Addition of Aryl Halide. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7483-7487.	2.4	15
34	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
35	One-pot epoxidation of alkenes using aerobic photoperoxidation of toluenes. <i>Tetrahedron Letters</i> , 2016, 57, 230-232.	1.4	13
36	<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

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37	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
38	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
39	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
40	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
41	Organic dye-catalyzed radical ring expansion reaction. <i>RSC Advances</i> , 2018, 8, 15825-15830.	3.6	10
42	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
43	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
44	Single-Electron-Transfer-Initiated Sequential Direct Arylation Reaction of Pyrrole with Aryl Diazonium Salts. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 324-327.	2.7	8
45	Regioselective Carboiodination of Styrenes: <i>N</i> -Iodosuccinimide Affords Complete Reaction Regioselectivity. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 210-213.	2.7	8
46	An Efficient Aziridination of Styrenes Promoted by Visible Light. <i>Synthesis</i> , 2016, 48, 2845-2850.	2.3	6
47	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
48	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
49	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
50	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
51	Synthesis of 2-hydroxymalonic acid derivatives via tandem oxidation and rearrangement by photo organic catalysis. <i>RSC Advances</i> , 2016, 6, 42596-42599.	3.6	4
52	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
53	Nickel-Catalyzed Reductive Allylation of Aldehydes with Allyl Acetates. <i>Synthesis</i> , 2021, 53, 1489-1494.	2.3	4
54	One-Pot Aerobic Photooxidative Darzens Reaction from Styrene and Benzyl Alcohol via Phenacyl iodide and Benzaldehyde by Using α -Iodine. <i>Synthesis</i> , 2016, 48, 3971-3975.	2.3	3

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55	A Radical Reaction for the Synthesis of 3-Substituted Dihydrothiopyrans under Photosensitized Conditions. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1061-1065.	2.7	3
56	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
57	Iodine-mediated direct α -amination of dimethyl methylmalonate using non-protected amines. <i>Tetrahedron Letters</i> , 2021, 77, 153251.	1.4	3
58	Selenonium ylides: synthesis, characterization, and applications to photo-induced cyclopropanation reactions. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 813-818.	2.9	3
59	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
60	The Novel gem-Dihydroperoxide 12AC3O Suppresses High Phosphate-Induced Calcification via Antioxidant Effects in p53LMaco1 Smooth Muscle Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4628.	4.1	2
61	Synthesis of Indolines via a Photocatalytic Intramolecular Reductive Cyclization Reaction. <i>Heterocycles</i> , 2020, 101, 177.	0.7	2
62	Front Cover Picture: Intermolecular Tandem Addition/Esterification Reaction of Alkenes with Malonates Leading to β -Lactones Mediated by Molecular Iodine under Visible Light Irradiation (Adv.) <i>Tj ETQq0 0 OrgBT /Overlock 10 T</i>		
63	Photo-Driven Catalytic Cross-Dehydrogenative Coupling (CDC)-Type Reactions. , 2019, , 413-444.		1
64	Synthesis of Dibenzo[g,p]Chrysenes via Organophotocatalytic Sequential Single-Electron Oxidation. <i>Asian Journal of Organic Chemistry</i> , 0, , .	2.7	1