

Hisanori Senboku

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electrochemical Fixation of Carbon Dioxide: Synthesis of Carboxylic Acids. <i>Chemical Record</i> , 2021, 21, 2354-2374.	5.8	41
2	Integrated Flow Synthesis of α -Amino Acids by <i>In Situ</i> Generation of Aldimines and Subsequent Electrochemical Carboxylation. <i>Journal of Organic Chemistry</i> , 2021, 86, 15953-15960.	3.2	27
3	Synthesis of α -Boc- α -amino Acids from Carbon Dioxide by Electrochemical Carboxylation of α -Boc- α -aminosulfones. <i>Journal of Organic Chemistry</i> , 2021, 86, 16077-16083.	3.2	32
4	Synthesis of indolo[2,1- <i>bc</i>]isoquinolines by CF_3COOH -induced cyclization. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 3703-3708.	2.6	5
5	Efficient Synthesis of Mandel Acetates by Electrochemical Carboxylation of Benzal Diacetates. <i>ChemElectroChem</i> , 2019, 6, 4158-4164.	3.4	21
6	Bioinspired synthesis of pentalene-based chromophores from an oligoketone chain. <i>Chemical Communications</i> , 2018, 54, 6788-6791.	4.1	12
7	Electrochemical carboxylation with carbon dioxide. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2017, 3, 50-54.	5.9	82
8	Sequential Vinyl Radical Cyclization/Fixation of Carbon Dioxide through Electrochemical Reduction of Vinyl Bromide in the Presence of an Electron-Transfer Mediator. <i>ChemElectroChem</i> , 2016, 3, 2052-2057.	3.4	16
9	Aryl radical cyclization with alkyne followed by tandem carboxylation in methyl 4- <i>tert</i> -butylbenzoate-mediated electrochemical reduction of 2-(2-propynyloxy)bromobenzenes in the presence of carbon dioxide. <i>Tetrahedron</i> , 2016, 72, 4626-4636.	1.9	44
10	Development of a novel electrochemical carboxylation system using a microreactor. <i>RSC Advances</i> , 2015, 5, 98721-98723.	3.6	47
11	Electrochemical direct carboxylation of benzyl alcohols having an electron-withdrawing group on the phenyl ring: one-step formation of phenylacetic acids from benzyl alcohols under mild conditions. <i>Tetrahedron Letters</i> , 2015, 56, 6772-6776.	1.4	31
12	Electrochemical fixation of CO ₂ to organohalides in room-temperature ionic liquids under supercritical CO ₂ . <i>Electrochimica Acta</i> , 2015, 161, 212-218.	5.2	34
13	Three-component coupling reaction of benzylic halides, carbon dioxide, and <i>N,N</i> -dimethylformamide by using paired electrolysis: sacrificial anode-free efficient electrochemical carboxylation of benzylic halides. <i>Tetrahedron</i> , 2015, 71, 3850-3856.	1.9	60
14	Electrochemical Fixation of Carbon Dioxide. <i>Green Chemistry and Sustainable Technology</i> , 2014, , 245-262.	0.7	3
15	Electrochemical Fixation of Carbon Dioxide (Cathodic Reduction in the Presence of Carbon Dioxide). , 2014, , 469-474.		0
16	Synthesis of α -oxoamides and Related Benzolactams by Pd(OAc) ₂ -Catalyzed Direct Aromatic Carbonylation. <i>Journal of Heterocyclic Chemistry</i> , 2013, 50, E48.	2.6	4
17	Regioselective Electrochemical Carboxylation of Polyfluoroarenes. <i>Electrochemistry</i> , 2013, 81, 380-382.	1.4	19
18	Some mechanistic studies on electrochemical carboxylation of flavones to yield flavanone-2-carboxylic acids. <i>Electrochimica Acta</i> , 2012, 82, 450-456.	5.2	28

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19	Synthesis of Benzo[<i>a</i>]phenanthridine Alkaloids by Pd(OAc) ₂ -Induced Direct Aromatic Carbonylation. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4622-4633.	2.4	13
20	Phosphane-Free Pd ⁰ -Catalyzed Cycloamination and Carbonylation with Pd(OAc) ₂ and Cu(OAc) ₂ in the Presence of K ₂ CO ₃ : Preparation of Benzocyclic Amines and Benzolactams. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 366-379.	2.4	18
21	Electrochemical Carboxylation of Flavones: Facile Synthesis of Flavanone-2-carboxylic Acids. <i>Electrochemistry</i> , 2011, 79, 862-864.	1.4	17
22	Facile Synthesis of 2,3-Dihydrobenzofuran-3-ylacetic Acids by Novel Electrochemical Sequential Aryl Radical Cyclization-Carboxylation of 2-Allyloxybromobenzenes Using Methyl 4-tert-Butylbenzoate as an Electron-Transfer Mediator. <i>Synlett</i> , 2011, 2011, 1567-1572.	1.8	34
23	Hg cathode-free electrochemical detosylation of N,N-disubstituted p-toluenesulfonamides: mild, efficient, and selective removal of N-tosyl group. <i>Tetrahedron Letters</i> , 2010, 51, 435-438.	1.4	51
24	Synthesis of 2-aryl-3,3,3-trifluoropropanoic acids using electrochemical carboxylation of (1-bromo-2,2,2-trifluoroethyl)arenes and its application to the synthesis of <i>l</i> ² , <i>l</i> ² , <i>l</i> ² -trifluorinated non-steroidal anti-inflammatory drugs. <i>Tetrahedron</i> , 2010, 66, 473-479.	1.9	41
25	Electrochemical carboxylation of benzylic carbonates: alternative method for efficient synthesis of arylacetic acids. <i>Tetrahedron</i> , 2010, 66, 7732-7737.	1.9	46
26	Electrochemical carboxylation of <i>l</i> [±] -chloroethylbenzene in ionic liquids compressed with carbon dioxide. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1953.	2.8	41
27	Synthesis of 2-Aryl-2,3,3,3-tetrafluoropropanoic Acids, Tetrafluorinated Fenoprofen and Ketoprofen by Electrochemical Carboxylation of Pentafluoroethylarenes. <i>Synthesis</i> , 2009, 2009, 3375-3377.	2.3	9
28	Synthesis of Phenanthro[9,10- <i>b</i>]indolizidinones, Phenanthro[9,10- <i>b</i>]quinolizidinone, and Related Benzolactams by Pd(OAc) ₂ -Catalyzed Direct Aromatic Carbonylation. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1173-1180.	2.4	51
29	Synthesis of Isoindolobenzazepine Alkaloids Based on Radical Reactions or Pd(0)-Catalyzed Reactions. <i>Journal of Organic Chemistry</i> , 2009, 74, 5486-5495.	3.2	42
30	An in situ high pressure FTIR study on molecular interactions of ketones, esters, and amides with dense phase carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2008, 46, 197-205.	3.2	35
31	An efficient synthesis of fluorocyclopentenes using fluoroalkylidenecarbenes. <i>Tetrahedron Letters</i> , 2008, 49, 76-79.	1.4	11
32	Electrochemical Carboxylation of <i>l</i> [±] , <i>l</i> [±] -Difluorotoluene Derivatives and Its Application to the Synthesis of <i>l</i> [±] -Fluorinated Nonsteroidal Anti-Inflammatory Drugs. <i>Synlett</i> , 2008, 2008, 438-442.	1.8	22
33	Rhodium-Catalyzed Ring-Opening Reactions of N-Boc-azabenzonorbornadiene with Chiral Amine Nucleophiles Derived from Amino Acids. <i>Synthesis</i> , 2008, 2008, 2467-2475.	2.3	1
34	Three Component Coupling Reaction of Benzyl Halides, CO ₂ , and DMF by Using Paired Electrosynthesis; Sacrificial Anode Free Electrochemical Carboxylation of Benzyl halides. <i>ECS Meeting Abstracts</i> , 2008, , .	0.0	0
35	Polycyclic Aromatic Compounds-mediated Electrochemical Reduction of Alkyl Mesylates. <i>Chemistry Letters</i> , 2007, 36, 228-229.	1.3	9
36	Preparation of Cyclic Urethanes from Amino Alcohols and Carbon Dioxide Using Ionic Liquid Catalysts with Alkali Metal Promoters. <i>International Journal of Molecular Sciences</i> , 2006, 7, 438-450.	4.1	51

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37	Electrochemical Carboxylation of Aliphatic Ketones: Synthesis of β -Keto Carboxylic Acids. <i>Electrochemistry</i> , 2006, 74, 612-614.	1.4	16
38	Rhodium-Catalyzed Ring-Opening Reactions of N-Boc-Azabenzonorbornadienes with Amine Nucleophiles. <i>Journal of the American Chemical Society</i> , 2006, 128, 6837-6846.	13.7	141
39	Stereospecific Electrochemical Carboxylation of β -Bromostyrene by Use of Nickel(II) Catalyst. <i>Chemistry Letters</i> , 2005, 34, 528-529.	1.3	27
40	A One-pot Synthesis of Terminal Alkynes from anti-3-Aryl-2,3-dibromopropanoic Acids under Microwave Irradiation. <i>Chemistry Letters</i> , 2005, 34, 28-29.	1.3	12
41	Stereoselective synthesis of (E)- β -arylvinyl bromides by microwave-induced reaction of anti-3-aryl-2,3-dibromopropanoic acids using an AgOAc/AcOH system. <i>Tetrahedron</i> , 2005, 61, 637-642.	1.9	30
42	Stereoselective Synthesis of (E)- β -Arylvinyl Bromides by Microwave-Induced Reaction of anti-3-Aryl-2,3-dibromopropanoic Acids Using an AgOAc/AcOH System.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
43	A One-Pot Synthesis of Terminal Alkynes from anti-3-Aryl-2,3-dibromopropanoic Acids under Microwave Irradiation.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
44	Synthesis of (Z)-1-Bromo-1-alkenes and Terminal Alkynes from anti-2,3-Dibromoalkanoic Acids by Microwave-Induced Reaction.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
45	Stereospecific Electrochemical Carboxylation of β -Bromostyrene by Use of Nickel(II) Catalyst.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
46	Rapid Debromination of vic-Dibromoalkanes with Zinc Powder in Acetic Acid under Microwave Irradiation.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
47	Stereoselective Synthesis of (E)- β -Arylvinyl Bromides by Microwave-Induced Hunsdiecker-Type Reaction.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
48	Synthesis of (Z)-1-bromo-1-alkenes and terminal alkynes from anti-2,3-dibromoalkanoic acids by microwave-induced reaction. <i>Tetrahedron</i> , 2005, 61, 4043-4052.	1.9	50
49	Stereoselective Synthesis of 5-7 membered Cyclic Ethers by Deiodonative Ring-Enlargement Using Hypervalent Iodine Reagents. <i>Molecules</i> , 2005, 10, 183-189.	3.8	16
50	Stereoselective Synthesis of (E)- β -Arylvinyl Bromides by Microwave-Induced Hunsdiecker-Type Reaction. <i>Synthesis</i> , 2005, 2005, 1319-1325.	2.3	58
51	Rapid Debromination of Vic-dibromoalkanes with Zinc Powder in Acetic Acid under Microwave Irradiation. <i>Journal of Chemical Research</i> , 2005, 2005, 282-284.	1.3	4
52	A Convenient Synthesis of Highly Substituted Furans by Microwave Irradiation of Ring-Fused Alkylidenecyclopropanes. <i>Synlett</i> , 2004, 2004, 1933-1936.	1.8	1
53	Electrochemical carboxylation of bicyclo[n.1.0]alkylidene derivatives. <i>Tetrahedron</i> , 2004, 60, 475-481.	1.9	36
54	Electrochemical Carboxylation of Bicyclo[n.1.0]alkylidene Derivatives.. <i>ChemInform</i> , 2004, 35, no.	0.0	0

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55	Stereoselective Synthesis of 2-Methylenepyrrolizidines by Tandem Cyclization of N-Propargylaminy Radicals.. ChemInform, 2003, 34, no.	0.0	0
56	A New Synthesis of Ring-Fused Alkylidenecyclobutanes by Ring-Enlargement Reaction of Bicyclo[n.1.0]alkylidene Derivatives.. ChemInform, 2003, 34, no.	0.0	0
57	A new synthesis of ring-fused alkylidenecyclobutanes by ring-enlargement reaction of bicyclo[n.1.0]alkylidene derivatives. Tetrahedron Letters, 2003, 44, 3329-3332.	1.4	18
58	Stereoselective synthesis of 2-methylenepyrrolizidines by tandem cyclization of N-propargylaminy radicals. Tetrahedron, 2003, 59, 827-832.	1.9	21
59	Convenient Synthesis of Cyclic $\hat{1}\pm, \hat{1}^2$ -unsaturated Carboxylic Acids by Nickel-catalyzed Electrochemical Carboxylation of Lactone Enol Triflates. Synlett, 2002, 2002, 0140-0142.	1.8	26
60	Selective Hydrogenation of Phenylacetylene with Graphite Intercalated Platinum Nanosheets.. Journal of the Japan Petroleum Institute, 2002, 45, 420-421.	0.6	6
61	Facile and stereoselective synthesis of (E)-vinyl bromides by microwave-induced reaction of 1,1-dibromoalkenes using a diethyl phosphonate/EtONa/EtOH system. Tetrahedron, 2002, 58, 1491-1496.	1.9	51
62	Stereoselective preparation of 7-exo-amino-7-endo-substituted bicyclo[4.1.0]heptanes. Tetrahedron, 2002, 58, 1673-1677.	1.9	3
63	A facile synthesis of ring-fused alkylidenecyclopropanes by olefination reaction of bicyclo[n.1.0]alkanone N,O-hemiacetals with Wittig reagents. Tetrahedron Letters, 2001, 42, 7075-7078.	1.4	9
64	Convenient and stereoselective synthesis of (Z)-1-bromo-1-alkenes by microwave-induced reaction. Tetrahedron Letters, 2001, 42, 3893-3896.	1.4	50
65	Efficient Electrochemical Dicarboxylation of Phenyl-substituted Alkenes: Synthesis of 1-Phenylalkane-1,2-dicarboxylic Acids. Synlett, 2001, 2001, 0418-0420.	1.8	82
66	Exclusive 1,4-aryl migration in a stereoselective cyclization of N-benzylalk-4-enylaminy radicals. Tetrahedron Letters, 2000, 41, 5699-5703.	1.4	35
67	Divergent electrochemical carboxylation of vinyl triflates: new electrochemical synthesis of phenyl-substituted $\hat{1}\pm, \hat{1}^2$ -unsaturated carboxylic acids and aliphatic $\hat{1}^2$ -keto carboxylic acids. Electrochimica Acta, 2000, 45, 2995-3003.	5.2	34
68	Tandem cyclization of N-allylaminy radicals: Stereoselective synthesis of 1,2,5-trisubstituted pyrrolizidines. Tetrahedron, 1999, 55, 6465-6474.	1.9	23
69	New Stereoselective Synthesis of ($\hat{A}\pm$)-trans-2-Butyl-5-heptyl-1-methylpyrrolidine, Ant Venom Alkaloid, by Aminyl Radical Cyclization. Heterocycles, 1999, 50, 333.	0.7	20
70	New electrochemical carboxylation of vinyl triflates. Synthesis of $\hat{1}^2$ -keto carboxylic acids. Tetrahedron Letters, 1998, 39, 1591-1594.	1.4	43
71	Synthesis of $\hat{1}\pm, \hat{1}^2$ -Unsaturated Carboxylic Acids by Electrochemical Carboxylation of Vinyl Bromides and Its Application to the Synthesis of Anti-Inflammatory Agents. , 1998, , 239-242.		1
72	Electrochemical Carboxylation of Several Organic Halides in Supercritical Carbon Dioxide. , 1998, , 245-246.		9

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73	Synthesis of \hat{I}^2 -Keto Acids by Electrochemical Carboxylation of Vinyl Triflates. , 1998, , 247-248.		1
74	New and Convenient Synthesis of 3-Methylenepent-4-enoic Acid by Electrochemical Carboxylation. Synthesis, 1997, 1997, 1143-1145.	2.3	22
75	Synthesis of \hat{I}^2 -Unsaturated Carboxylic Acids by Nickel(II)-Catalyzed Electrochemical Carboxylation of Vinyl Bromides. Chemistry Letters, 1997, 26, 917-918.	1.3	26
76	Facile synthesis of aryl-substituted 2-alkenoic acids by electroreductive carboxylation of vinylic bromides using a magnesium anode. Electrochimica Acta, 1997, 42, 2117-2123.	5.2	42
77	Photoinduced molecular transformations. Part 159. Formation of some furonaphthyridinones by selective \hat{I}^2 -scission of cyclobutanoxyl radicals generated from [2+2] photoadducts of 4-hydroxy-1-phenyl [1,8] naphthyridin-2(1H)-one with alkenes. Tetrahedron, 1996, 52, 6125-6138.	1.9	12
78	Photoinduced molecular transformations. Part 156. New photoadditions of 2-hydroxy-1,4-naphthoquinones with naphthols and their derivatives. Tetrahedron, 1995, 51, 1377-1386.	1.9	16
79	Photoinduced molecular transformations. Part 154. On the mechanism of the formation of the 5-iodopentyl formate in the photolysis of cyclopentanol hypiodite in solution in the presence of mercury(II) oxide-iodine.. Tetrahedron, 1994, 50, 13101-13112.	1.9	1
80	Photoinduced molecular transformations. Part 149. Stereospecific photoadditions and photorearrangements of the oximes of some steroidal \hat{I}^2 -unsaturated cyclic ketones and their deuterio derivatives. Journal of the Chemical Society Perkin Transactions 1, 1994, , 3239-3250.	0.9	7
81	Photoinduced molecular transformations. Part 145. Regioselective [3 + 2] photoadditions of 2-hydroxyphenanthrene-1,4-dione with electron-rich alkenes and phenylacetylene: new one-step synthesis of 9,10-dihydrophenanthro[2,3-b]furan-7,11-diones and 2-phenylphenanthro[2,3-b]furan-7,11-dione. Journal of the Chemical Society Perkin Transactions 1, 1994, , 471-477.	0.9	7
82	Photoinduced Molecular Transformations. part 147. [2+2]Photoaddition of Protected 4-Hydroxy-1(2H)-isoquinolinone with an Electrondeficient Alkene and the Formation of a 3,6-Epoxy-3,4,5,6-tetrahydro-2-benzazocin-1(2H)-one via a \hat{I}^2 -Scission of Cyclobutanoxyl Radicals Generated from the Resulting photoadduct. Heterocycles, 1994, 37, 283.	0.7	10
83	Photoinduced molecular transformations. Part 134. Photoinduced stereospecific addition of methanol to \hat{I}^2 -cholest-1-en-3-one oxime and photoinduced deconjugation of its 1-methyl derivative involving stereospecific proton transfer. Journal of the Chemical Society Perkin Transactions 1, 1992, , 3103-3110.	0.9	5
84	Photoinduced molecular transformations. Part 133. New photoinduced deconjugation of steroidal \hat{I}^2 -unsaturated cyclic ketone oxime into the \hat{I}^2 -unsaturated isomer involving stereospecific proton transfer. Journal of the Chemical Society Perkin Transactions 1, 1992, , 1849-1854.	0.9	7
85	Efficient formation of a spiro tetrahydrofuran ring by the ionic cyclization of bishomoallyl tertiary alcohols via their hypiodites. Journal of the Chemical Society Perkin Transactions 1, 1992, , 2917.	0.9	2
86	Photoinduced molecular transformations. Part 130. Novel stereospecific photorearrangement and stereospecific addition of methanol in steroidal \hat{I}^2 -unsaturated cyclic ketone oximes. Journal of the Chemical Society Perkin Transactions 1, 1992, , 427-432.	0.9	10
87	Photoinduced molecular transformations. Part 131. Synthesis of 18-norsteroids, deoxofukujusonone and the related steroids, based on a selective \hat{I}^2 -scission of alkoxy radicals as the key step. Journal of the Chemical Society Perkin Transactions 1, 1992, , 1837-1842.	0.9	21
88	Photoinduced molecular transformations. Part 112. Transformation of steroids into ring-A-aromatized steroids and 19-norsteroids involving a regioselective \hat{I}^2 -scission of alkoxy radicals; synthesis of two marine natural products, 19-nor- \hat{I}^2 -cholestan-3-ol and 19-norcholest-4-en-3-one, and new synthesis of estrone and 19-nortestosterone. Journal of the Chemical Society Perkin Transactions 1, 1990, , 2199-2205.	0.9	8
89	A new aromatization of ring-A of steroids. Synthesis of estrone. Tetrahedron Letters, 1988, 29, 79-80.	1.4	16