Hiromichi Egami

List of Publications by Year
in descending order

75 papers	5,184 citations	101543 36 h-index	85541 71 g-index
105 all docs	105 docs citations	105 times ranked	3419 citing authors

#	Article	IF	Citations
1	Development of Anionic Phase-Transfer Catalysts for Asymmetric Fluorinations. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2022, 80, 632-644.	0.1	0
2	Dual-Role Catalysis by Thiobenzoic Acid in CÎ±â€“H Arylation under Photoirradiation. ACS Catalysis, 2021, 11, 82-87.	11.2	41
3	Enhancement of target toxin neutralization effect inÂvivo by PEGylation of multifunctionalized lipid nanoparticles. Biochemical and Biophysical Research Communications, 2021, 555, 32-39.	2.1	8
4	Design of synthetic polymer nanoparticles that inhibit glucose absorption from the intestine. Biochemical and Biophysical Research Communications, 2021, 561, 1-6.	2.1	1
5	Dearomative enantio- and diastereoselective difluorination of resorcinol derivatives. Tetrahedron, 2021, 96, 132355.	1.9	7
6	Structure Dependence in Asymmetric Deprotonative Fluorination and Fluorocyclization Reactions of Allylamine Derivatives with Linked Binaphthyl Dicarboxylate Phase-Transfer Catalyst. Journal of the American Chemical Society, 2021, 143, 16599-16609.	13.7	14
7	Oxidative and Redoxâ€Neutral Approaches to Symmetrical Diamines and Diols by Single Electron Transfer/Hydrogen Atom Transfer Synergistic Catalysis. European Journal of Organic Chemistry, 2020, 2020, 7151-7155.	2.4	3
8	Asymmetric Dearomative Fluorination of 2â€Naphthols with a Dicarboxylate Phaseâ€Transfer Catalyst. Angewandte Chemie, 2020, 132, 14205-14209.	2.0	8
9	Asymmetric Dearomative Fluorination of 2â€Naphthols with a Dicarboxylate Phaseâ€Transfer Catalyst. Angewandte Chemie - International Edition, 2020, 59, 14101-14105.	13.8	44
10	Fluorofunctionalizations of Câ€“C Multiple Bonds and Câ€“H Bonds. Chemical and Pharmaceutical Bulletin, 2020, 68, 491-511.	1.3	17
11	Asymmetric Dearomatizing Fluoroamidation of Indole Derivatives with Dianionic Phase-Transfer Catalyst. Organic Letters, 2020, 22, 5656-5660.	4.6	28
12	18F-Labeled dihydromethidine: positron emission tomography radiotracer for imaging of reactive oxygen species in intact brain. Organic and Biomolecular Chemistry, 2020, 18, 2387-2391.	2.8	16
13	Thiocyanation of Aromatic and Heteroaromatic Compounds with 1-Chloro-1,2-benziodoxol-3-(1<i>H</i>)-one and (Trimethylsilyl)isothiocyanate. Chemical and Pharmaceutical Bulletin, 2019, 67, 1015-1018.	1.3	11
14	Enantioselective 5-exo-Fluorocyclization of Ene-Oximes. Molecules, 2019, 24, 3464.	3.8	24
15	Design of Synthetic Polymer Nanoparticles Specifically Capturing Indole, a Small Toxic Molecule. Biomacromolecules, 2019, 20, 1644-1654.	5.4	16
16	Sequestering and inhibiting a vascular endothelial growth factor in vivo by systemic administration of a synthetic polymer nanoparticle. Journal of Controlled Release, 2019, 295, 13-20.	9.9	29
17	Rigorous control of vesicle-forming lipid pKa by fluorine-conjugated bioisosteres for gene-silencing with siRNA. Journal of Controlled Release, 2019, 295, 87-92.	9.9	13
18	Practical and Scalable Organic Reactions with Flow Microwave Apparatus. Chemical Record, 2019, 19, 157-171.	5.8	15

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19	Enantioselective Synthesis of Nelfinavir via Asymmetric Bromocyclization of Bisallylic Amide. Journal of Organic Chemistry, 2018, 83, 7290-7295.	3.2	11
20	Photofluorination of Aliphatic Câ€“H Bonds Promoted by the Phthalimide Group. Organic Letters, 2018, 20, 1367-1370.	4.6	39
21	Dianionic Phase-Transfer Catalyst for Asymmetric Fluoro-cyclization. Journal of the American Chemical Society, 2018, 140, 2785-2788.	13.7	55
22	C-Alkylation of N-alkylamides with styrenes in air and scale-up using a microwave flow reactor. Organic and Biomolecular Chemistry, 2018, 16, 7568-7573.	2.8	24
23	Asymmetric Fluorination of Cyclic Tetrasubstituted Alkenes with a Pendant Amide Groups under Dianionic Phase-Transfer Catalysis. Chemical and Pharmaceutical Bulletin, 2018, 66, 920-922.	1.3	20
24	Regio- and chemoselective Csp³â€“H arylation of benzylamines by single electron transfer/hydrogen atom transfer synergistic catalysis. Chemical Science, 2018, 9, 8453-8460.	7.4	91
25	Simple Photo-Induced Trifluoromethylation of Aromatic Rings. Synthesis, 2018, 50, 2948-2953.	2.3	32
26	Scalable Microwave-Assisted Johnsonâ€“Claisen Rearrangement with a Continuous Flow Microwave System. Organic Process Research and Development, 2018, 22, 1029-1033.	2.7	27
27	Redox-neutral Câ€“H cyanation of tetrahydroisoquinolines under photoredox catalysis. Tetrahedron Letters, 2018, 59, 3258-3261.	1.4	26
28	(E)-3-[4-(Pent-4-en-1-yloxy)phenyl]acrylicc Acid. MolBank, 2018, 2018, M996.	0.5	9
29	Enantioselective Allyl-, and Allenylboration of Aldehydes Catalyzed by Chiral Hydroxyl Carboxylic Acid. Synlett, 2017, 28, 976-980.	1.8	12
30	Desymmetrization of Bisallylic Amides through Catalytic Enantioselective Bromocyclization with BINAP Monoxide. Chemistry - A European Journal, 2017, 23, 16758-16762.	3.3	28
31	Benzylic Câ€“H Trifluoromethylation via Photoenol. Organic Letters, 2017, 19, 4452-4455.	4.6	51
32	Î±-Functionalization of Tetrahydroisoquinolines with Activated Alkyl Bromide under Photoredox Catalysis. Heterocycles, 2017, 95, 738.	0.7	9
33	Difunctionalization of Alkenes Using 1-Chloro-1,2-benziodoxol-3-(1H)-one. Journal of Organic Chemistry, 2016, 81, 4020-4030.	3.2	55
34	Highly Enantioselective Bromocyclization of Allylic Amides with a P/P=O Doubleâ€Site Lewis Base Catalyst. Chemistry - A European Journal, 2016, 22, 2127-2133.	3.3	45
35	Product Control in Alkene Trifluoromethylation: Hydrotrifluoromethylation, Vinylic Trifluoromethylation, and Iodotrifluoromethylation using Togni Reagent. Chemistry - an Asian Journal, 2015, 10, 2190-2199.	3.3	59
36	Concise synthesis of binaphthol-derived chiral dicarboxylic acids. Tetrahedron, 2015, 71, 6384-6388.	1.9	16

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37	Development of a highly efficient single-mode microwave applicator with a resonant cavity and its application to continuous flow syntheses. RSC Advances, 2015, 5, 10204-10210.	3.6	39
38	Enantioselective Bromocyclization of Allylic Amides Catalyzed by BINAP Derivatives. Organic Letters, 2015, 17, 1244-1247.	4.6	74
39	Asymmetric Fluorolactonization with a Bifunctional Hydroxyl Carboxylate Catalyst. Journal of the American Chemical Society, 2015, 137, 10132-10135.	13.7	98
40	Aminotrifluoromethylation of Olefins via Cyclic Amine Formation: Mechanistic Study and Application to Synthesis of Trifluoromethylated Pyrrolidines. Journal of the American Chemical Society, 2015, 137, 4865-4873.	13.7	118
41	Benzylic Câ€“H trifluoromethylation of phenol derivatives. Chemical Communications, 2015, 51, 16675-16678.	4.1	61
42	Mechanistic study on a unique SN2â€²-type reaction of allylic alcohols with organolithium reagent accelerated by a proximal trifluoromethyl group. Journal of Fluorine Chemistry, 2015, 179, 121-128.	1.7	6
43	A â€œCatchâ€andâ€Releaseâ€•Protocol for Alkyneâ€Tagged Molecules Based on a Resinâ€Bound Cobalt Complex for Peptide Enrichment in Aqueous Media. Chemistry - A European Journal, 2014, 20, 8116-8128.	3.3	11
44	Metal-catalyzed synthesis of heterocycles bearing a trifluoromethyl group. Pure and Applied Chemistry, 2014, 86, 1247-1256.	1.9	16
45	Trifluoromethylation of Alkenes with Concomitant Introduction of Additional Functional Groups. Angewandte Chemie - International Edition, 2014, 53, 8294-8308.	13.8	623
46	Dual Catalysis with Copper and Rhenium for Trifluoromethylation of Propargylic Alcohols: Efficient Synthesis of Î±â€Trifluoromethylated Enones. Chemistry - A European Journal, 2014, 20, 12061-12065.	3.3	37
47	Oxy-trifluoromethylation of alkenes and its application to the synthesis of Î²-trifluoromethylstyrene derivatives. Journal of Fluorine Chemistry, 2014, 167, 172-178.	1.7	42
48	Iron-catalyzed trifluoromethylation with concomitant Câ€“C bond formation via 1,2-migration of an aryl group. Chemical Communications, 2013, 49, 7346.	4.1	161
49	Concise synthesis of oxindole derivatives bearing a 3-trifluoroethyl group: Copper-catalyzed trifluoromethylation of acryloanilides. Journal of Fluorine Chemistry, 2013, 152, 51-55.	1.7	110
50	Alkene Trifluoromethylation Coupled with Cï¿¿C Bond Formation: Construction of Trifluoromethylated Carbocycles and Heterocycles. Angewandte Chemie - International Edition, 2013, 52, 4000-4003.	13.8	265
51	Trifluoromethylation Reactions for the Synthesis of Î²â€Trifluoromethylamines. Angewandte Chemie - International Edition, 2013, 52, 7841-7844.	13.8	180
52	Rapid Trifluoromethylation of Indole Derivatives. Heterocycles, 2012, 86, 979.	0.7	34
53	What factors influence the catalytic activity of ironâ€“salan complexes for aerobic oxidative coupling of 2-naphthols?. Chemical Communications, 2012, 48, 5823.	4.1	52
54	Oxytrifluoromethylation of multiple bonds using copper catalyst under mild conditions. Tetrahedron Letters, 2012, 53, 5503-5506.	1.4	172

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55	SN2 Reaction on Vinylic Carbon. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2012, 70, 651-652.	0.1	0
56	Copperâ€Catalyzed Trifluoromethylation of Allylsilanes. Angewandte Chemie - International Edition, 2012, 51, 4577-4580.	13.8	203
57	Catch and release of alkyne-tagged molecules in water by a polymer-supported cobalt complex. Organic and Biomolecular Chemistry, 2011, 9, 7667.	2.8	11
58	Direct C2-trifluoromethylation of indole derivatives catalyzed by copper acetate. Tetrahedron Letters, 2010, 51, 5947-5949.	1.4	161
59	Enantioenriched Synthesis of C₁-Symmetric BINOLs: Iron-Catalyzed Cross-Coupling of 2-Naphthols and Some Mechanistic Insight. Journal of the American Chemical Society, 2010, 132, 13633-13635.	13.7	217
60	Oxidation Catalysis of Nb(salan) Complexes: Asymmetric Epoxidation of Allylic Alcohols Using Aqueous Hydrogen Peroxide as an Oxidant. Journal of the American Chemical Society, 2010, 132, 5886-5895.	13.7	114
61	Iron-Catalyzed Asymmetric Aerobic Oxidation: Oxidative Coupling of 2-Naphthols. Journal of the American Chemical Society, 2009, 131, 6082-6083.	13.7	266
62	Nb(salan)â€Catalyzed Asymmetric Epoxidation of Allylic Alcohols with Hydrogen Peroxide. Angewandte Chemie - International Edition, 2008, 47, 5171-5174.	13.8	62
63	Optimization of Asymmetric Oxidation of Sulfides with the Fe(salan) Complex in Water and the Expanded Scope of its Application. Synlett, 2008, 2008, 1543-1546.	1.8	6
64	Vanadium-catalyzed Asymmetric Transcyanation of Aliphatic Aldehydes with Acetone Cyanohydrin. Chemistry Letters, 2008, 37, 502-503.	1.3	17
65	Asymmetric Hetero Dielsâ€“Alder Reaction Catalyzed by Chromium Complexes of Heterogeneously Hybridized Salen/Salan Ligands. Chemistry Letters, 2008, 37, 632-633.	1.3	19
66	Enantioselective Epoxidation of ConjugatedZ-Olefins with Newly Modified Mn(salen) Complex. Chemistry Letters, 2007, 36, 46-47.	1.3	17
67	Fe(salan)-Catalyzed Asymmetric Oxidation of Sulfides with Hydrogen Peroxide in Water. Journal of the American Chemical Society, 2007, 129, 8940-8941.	13.7	243
68	Aerobic oxidative kinetic resolution of racemic alcohols with bidentate ligand-binding Ru(salen) complex as catalyst. Tetrahedron, 2007, 63, 6383-6387.	1.9	57
69	Synthesis of an Optically Active Al(salalen) Complex and Its Application to Catalytic Hydrophosphonylation of Aldehydes and Aldimines. Journal of the American Chemical Society, 2007, 129, 1978-1986.	13.7	215
70	Aerobic oxidation of primary alcohols in the presence of activated secondary alcohols. Tetrahedron Letters, 2005, 46, 783-786.	1.4	26
71	A reasonable explanation for the mechanism of photo-promoted chemoselective aerobic oxidation of alcohols using (ON)Ru(salen) complex as catalyst. Tetrahedron Letters, 2005, 46, 6049-6052.	1.4	29
72	Aerobic Oxidation of Primary Alcohols in the Presence of Activated Secondary Alcohols.. ChemInform, 2005, 36, no.	0.0	0

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73	Ruthenium(salen)-Catalyzed Aerobic Oxidative Desymmetrization of meso-Diols and Its Kinetics.. ChemInform, 2005, 36, no.	0.0	0
74	Ruthenium(salen)-Catalyzed Aerobic Oxidative Desymmetrization ofmeso-Diols and Its Kinetics. Journal of the American Chemical Society, 2005, 127, 5396-5413.	13.7	112
75	High Efficiency Microwave Flow Chemistry Towards Synthesis of Functional Materials and Pharmaceutical Cores. , 0, , .		1