Eietsu Hasegawa

List of Publications by Year
in descending order

91	2,551	218677	233421
papers	citations	26 h-index	45 g-index

97	97	97	1444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Additive and solvent effects on samarium diiodide reductions: the effects of water and DMPU. Journal of Organic Chemistry, 1993, 58, 5008-5010.	3.2	190
2	Electron-transfer-induced photoadditions of the silyl amine, Et2NCH2SiMe3, to .alpha.,.beta.-unsaturated cyclohexenones. Dual reaction pathways based on ion pair-selective cation-radical chemistry. Journal of the American Chemical Society, 1988, 110, 8099-8111.	13.7	130
3	Photoinduced electron-transfer systems consisting of electron-donating pyrenes or anthracenes and benzimidazolines for reductive transformation of carbonyl compounds. Tetrahedron, 2006, 62, 6581-6588.	1.9	121
4	Reductive transformation of Î±,Î²-epoxy ketones and other compounds promoted through photoinduced electron transfer processes with 1,3-dimethyl-2-phenylbenzimidazoline (DMPBI). Tetrahedron, 1999, 55, 12957-12968.	1.9	116
5	Rate constants for the reactions of primary alkyl radicals with SmI2 in THF/HMPA. Tetrahedron Letters, 1993, 34, 1717-1720.	1.4	100
6	Exploratory study on photoinduced single electron transfer reactions of .alpha.,.beta.-epoxy ketones with amines. Journal of Organic Chemistry, 1991, 56, 1631-1635.	3.2	85
7	Contrastive Photoreduction Pathways of Benzophenones Governed by Regiospecific Deprotonation of Imidazoline Radical Cations and Additive Effects. Journal of Organic Chemistry, 2005, 70, 9632-9635.	3.2	76
8	Photoadditions of ethers, thioethers, and amines to 9,10-dicyanoanthracene by electron transfer pathways. Journal of Organic Chemistry, 1988, 53, 5435-5442.	3.2	72
9	Novel electron-transfer photocyclization reactions of .alpha.-silyl amine .alpha.,.beta.-unsaturated ketone and ester systems. Journal of the American Chemical Society, 1989, 111, 406-408.	13.7	63
10	Electron-Transfer Reactions of Aromatic Î±,Î²-Epoxy Ketones:Â Factors That Govern Selective Conversion to Î²-Diketones and Î²-Hydroxy Ketones. Journal of Organic Chemistry, 1997, 62, 2396-2400.	3.2	61
11	Photochemically and thermally induced free-radical reactions of .alpha.,.beta.-epoxy ketones with tributyltin hydride: selective C.alpha.-O bond cleavage of oxiranylmethyl radicals derived from .alpha.,.beta.-epoxy ketones. Journal of Organic Chemistry, 1992, 57, 5352-5359.	3.2	58
12	Electron-transfer photochemistry of .alpha.-silylamine-cyclohexenone systems. Medium effects on reaction pathways followed. Journal of the American Chemical Society, 1987, 109, 4421-4423.	13.7	55
13	Photoinduced electron transfer reactions of Î±,Î²-epoxy ketones with 2-phenyl-N,N-dimethylbenzimidazoline (PDMBI): Significant water effect on the reaction pathway. Tetrahedron Letters, 1996, 37, 7079-7082.	1.4	50
14	Copper(II) Triflate Catalyzed Intermolecular Aromatic Substitution of N,Nâ€Disubstituted Anilines with Diazo Esters. European Journal of Organic Chemistry, 2010, 2010, 6719-6721.	2.4	48
15	First example of samarium diiodide-promoted sequential cyclization and ring-expansion reactions of Î±-bromomethyl cyclic Î²-keto esters to homologated Î³-keto esters. Tetrahedron Letters, 1998, 39, 4059-4062.	1.4	43
16	Pyrylium salt sensitized photochemical deprotections of dithioacetals and ketals. Tetrahedron, 1994, 50, 12821-12828.	1.9	39
17	Benzimidazoline-Dimethoxypyrene. An Effective Promoter System for Photoinduced Electron Transfer Promoted Reductive Transformations of Organic Compounds. Heterocycles, 2009, 77, 1147.	0.7	39
18	Cyclization and Ring-Expansion Processes Involving Samarium Diiodide Promoted Reductive Formation and Subsequent Oxidative Ring Opening of Cyclopropanol Derivatives. Journal of Organic Chemistry, 2009, 74, 2467-2475.	3.2	39

#	Article	IF	Citations
19	Benzimidazolium Naphthoxide Betaine Is a Visible Light Promoted Organic Photoredox Catalyst. Journal of Organic Chemistry, 2018, 83, 3921-3927.	3.2	39
20	Visible Light and Hydroxynaphthylbenzimidazoline Promoted Transition-Metal-Catalyst-Free Desulfonylation of N-Sulfonylamides and N-Sulfonylamines. Journal of Organic Chemistry, 2018, 83, 10813-10825.	3.2	38
21	Copper(II)â€“acid co-catalyzed intermolecular substitution of electron-rich aromatics with diazoesters. Tetrahedron Letters, 2012, 53, 5159-5161.	1.4	35
22	Deprotection of 1,3-dithianes by antimony pentachloride via single electron transfer processes. Tetrahedron Letters, 1991, 32, 7421-7424.	1.4	34
23	Photosensitized oxygenation reactions of 1,3-dithianes through cooperative single electron transfer pathway and singlet oxygen pathway. Tetrahedron Letters, 1992, 33, 5085-5088.	1.4	33
24	Photoinduced single electron transfer reactions of 1,3-dithianes and 1,3-dithiolanes sensitized by triphenylpyrylium salt in the presence of molecular oxygen. Tetrahedron Letters, 1991, 32, 4349-4352.	1.4	32
25	Free radical trapping of Î±-keto radicals derived from Î±,Î²-epoxy ketones via photoinduced single electron transfer process. Tetrahedron Letters, 1991, 32, 2029-2032.	1.4	30
26	Aryl-substituted dimethylbenzimidazolines as effective reductants of photoinduced electron transfer reactions. Tetrahedron, 2015, 71, 5494-5505.	1.9	30
27	Photocyclization reactions. Part 1. Synthesis of dihydrobenzofuranols using photocyclization of 2â€alkoxybenzaldehydes, 2â€²â€alkoxyacetophenones, 2â€formylphenoxyacetic acids and 2â€acetylphenoxyacetic acids. Journal of Heterocyclic Chemistry, 1991, 28, 1261-1272.	2.6	26
28	Tris(trimethylsilyl)silane promoted radical reaction and electron-transfer reaction in benzotrifluoride. Tetrahedron, 2008, 64, 7724-7728.	1.9	26
29	Photoreaction of halomethyl substituted benzocyclic ketones with amines: radical cyclization and ring expansion reactions promoted through photoinduced electron transfer processes. Chemical Communications, 1997, , 1895.	4.1	24
30	Protocol for Visible-Light-Promoted Desulfonylation Reactions Utilizing Catalytic Benzimidazolium Aryloxide Betaines and Stoichiometric Hydride Donor Reagents. Journal of Organic Chemistry, 2020, 85, 4344-4353.	3.2	24
31	Novel transformation of 2-substituted alkyl 1-indanone-2-acetates to 6-substituted 3,4-benzotropolones through sequential reduction and oxidation processes using Sm(II) and Ce(IV) salts. Tetrahedron Letters, 2003, 44, 9317-9320.	1.4	23
32	Selective Synthesis of [2]- and [3]Catenane Tuned by Ring Size and Concentration. Journal of Organic Chemistry, 2013, 78, 5205-5217.	3.2	23
33	2-Hydroxyphenyl-1,3-dimethylbenzimidazolines. Formal Two Hydrogen Atom-donors for Photoinduced Electron Transfer Reactions. Chemistry Letters, 2004, 33, 18-19.	1.3	22
34	Metal-Free, One-Pot, Sequential Protocol for Transforming Î±,Î²-Epoxy Ketones to Î²-Hydroxy Ketones and Î±-Methylene Ketones. Journal of Organic Chemistry, 2015, 80, 1593-1600.	3.2	22
35	PHOTOCHEMICAL REACTION OF 2-AROYL- 3-ARYLNORBORNADIENES. Chemistry Letters, 1982, 11, 1551-1554.	1.3	21
36	Selective CÎ±-O bond cleavage of chalcone epoxides induced by pyrylium salt sensitized photoreactions and dark reactions with cerium(iv) salts. Tetrahedron Letters, 1990, 31, 4045-4048.	1.4	21

#	Article	IF	Citations
37	Remarkable enhancement effect of potassium tert-butoxide/THF solution in base-induced Sommeletâ€“Hauser rearrangements. Tetrahedron, 2010, 66, 9389-9395.	1.9	21
38	A formal method for the de-N,N-dialkylation of Sommeletâ€“Hauser rearrangement products. Tetrahedron, 2012, 68, 4710-4718.	1.9	21
39	Visible light-promoted reductive transformations of various organic substances by using hydroxyaryl-substituted benzimidazolines and bases. Tetrahedron, 2016, 72, 7805-7812.	1.9	21
40	Aminium salt promoted catalytic substitution reactions of acetals with silylated nucleophiles. Tetrahedron Letters, 1996, 37, 3483-3486.	1.4	20
41	Pyrylium salt promoted substitution reactions of acetals with various silylated nucleophiles. Tetrahedron Letters, 1996, 37, 7779-7782.	1.4	20
42	Electron Transfer Promoted Regioselective Ring-Opening Reaction of Cyclopropyl Silyl Ethersâ€. Organic Letters, 2007, 9, 2811-2814.	4.6	20
43	A photo-reagent system of benzimidazoline and Ru(bpy)3Cl2 to promote hexenyl radical cyclization and Dowdâ€“Beckwith ring-expansion of Î±-halomethyl-substituted benzocyclic 1-alkanones. Tetrahedron, 2014, 70, 2776-2783.	1.9	20
44	Carbonâ€“carbon bond formation via benzoyl umpolung attained by photoinduced electron-transfer with benzimidazolines. Tetrahedron Letters, 2013, 54, 6874-6877.	1.4	19
45	Furan derivatives. part 11 [1]. on substituent effects in the synthesis of 3,4,5,6â€tetrahydrocyclohepta[cd]benzofurans. Journal of Heterocyclic Chemistry, 1990, 27, 935-940.	2.6	18
46	Photocyclization reactions. Part 6. Solvent and substituent effects in the synthesis of dihydrobenzofuranols using photocyclization of 2â€alkoxybenzophenones and ethyl 2â€benzoylphenoxyacetates. Journal of Heterocyclic Chemistry, 1997, 34, 861-869.	2.6	18
47	Cyclization and Ring-expansion Reactions Involving Reductive Formation and Oxidative Ring-opening of Cyclopropanol Derivatives. Chemistry Letters, 2005, 34, 1688-1689.	1.3	18
48	2-Aryl-1,3-dimethylbenzimidazolines as Effective Electron and Hydrogen Donors in Photoinduced Electron-Transfer Reactions. Australian Journal of Chemistry, 2015, 68, 1640.	0.9	18
49	Changeable reactivity of ketyl radicals derived from 2-bromomethyl-2-(3-butenyl)benzocyclic-1-alkanones depending on electron transfer conditions employed. Chemical Communications, 2002, , 1966-1967.	4.1	17
50	Samarium diiodide-promoted intramolecular ketoneâ€“ester coupling reaction: novel cyclization and ring expansion pathway. Tetrahedron Letters, 2002, 43, 5067-5070.	1.4	17
51	The first example of samarium diiodide-promoted intramolecular ketoneâ€“ester coupling of ketones tethering acyloxyalkyl side chains producing 2-hydroxy cyclic hemiacetals. Tetrahedron Letters, 2006, 47, 7715-7718.	1.4	17
52	Furan derivatives. Part 10. Synthesis of cyclohepta[cd]benzofuran. Journal of Heterocyclic Chemistry, 1989, 26, 365-369.	2.6	16
53	Photoinduced electron-transfer reactions of 1-substituted 2,3-diphenylaziridines with 9,10-dicyanoanthracene and chloranil. Journal of Organic Chemistry, 1992, 57, 6342-6344.	3.2	16
54	Photoreactions of 4-(Tribromomethyl)-4-methyl-2,5-cyclohexadienone and Its Derivatives with Amines:Â Radical Cyclization and Ring Expansion Reactions Promoted through Photoinduced Electron Transfer Processes. Journal of Organic Chemistry, 1999, 64, 8780-8785.	3.2	16

#	Article	IF	Citations
55	PHOTOSENSITIZED CARBONâ€“OXYGEN BOND CLEAVAGE REACTION OF EPOXIDES BY 2,4,6-TRIPHENYLPYRYLIUM TETRAFLUOROBORATE SALT. Chemistry Letters, 1983, 12, 305-308.	1.3	15
56	Application of biphasic reaction procedure using ferric chloride dissolved in an imidazolium salt and benzotrifluoride (FeIm-BTF procedure) to aza-Prins cyclization reaction. Tetrahedron Letters, 2010, 51, 6535-6538.	1.4	15
57	The Effects of Substituents Introduced into 9-Aminoacridine on Frameshift Mutagenicity and DNA Binding Affinity. Bioscience, Biotechnology and Biochemistry, 1997, 61, 1121-1125.	1.3	14
58	1,3-Dimethyl-2-phenylbenzimidazoline (DMPBI)-Acetic Acid: An Effective Reagent System for Photoinduced Reductive Transformation of Î±,Î²-Epoxy Ketones to Î²-Hydroxy Ketones. Synthesis, 2001, 112, 1248.	2.3	14
59	Asymmetric Î±-2-tosylethenylation of N,N-dialkyl-l-amino acid estersvia the formation of non-racemic ammonium enolates. Organic and Biomolecular Chemistry, 2012, 10, 339-345.	2.8	14
60	Copper(II)-salt-promoted oxidative ring-opening reactions of bicyclic cyclopropanol derivatives via radical pathways. Beilstein Journal of Organic Chemistry, 2013, 9, 1397-1406.	2.2	14
61	Sterically Regulated Î±-Oxygenation of Î±-Bromocarbonyl Compounds Promoted Using 2-Aryl-1,3-dimethylbenzimidazolines and Air. ACS Omega, 2020, 5, 7651-7665.	3.5	14
62	Organic photochemistry. 68. Exciplex isomerization in photosensitized cycloreversion reactions of cage compounds. Journal of the American Chemical Society, 1984, 106, 6852-6854.	13.7	13
63	Electron-transfer-induced rearrangements of phenylated tricyclo[4.2.0.02,5]octane and 1,5-cyclooctadiene. Journal of Organic Chemistry, 1989, 54, 2053-2058.	3.2	13
64	An Effective Procedure to Promote Azaâ€“Prins Cyclization Reactions Employing a Combination of Ferric Chloride and an Imidazolium Salt in Benzotrifluoride. Heterocycles, 2012, 86, 1211.	0.7	13
65	Solvent-Dependent Reaction Pathways Operating in Copper(II) Tetrafluoroborate Promoted Oxidative Ring-Opening Reactions of Cyclopropyl Silyl Ethers. Journal of Organic Chemistry, 2016, 81, 2692-2703.	3.2	13
66	1,2-Dimethoxy-4,5-dimethylene: a new protecting group for acyclic amino acid derivatives prepared by Stevens rearrangement. Tetrahedron Letters, 2012, 53, 1373-1375.	1.4	12
67	Visible Light-Promoted Metal-Free Reduction of Organohalides by 2-Naphthyl or 2-Hydroxynaphthyl-Substituted 1,3-Dimethylbenzimidazolines. Australian Journal of Chemistry, 2015, 68, 1648.	0.9	12
68	Photocyclization reactions. Part 3. Synthesis of naphtho[1,8â€bc]â€furans and Cyclohepta[cd]benzofurans using photocyclization of 8â€alkoxyâ€1,2,3,4â€tetrahydroâ€1â€naphthalenones and 4â€alkoxyâ€6,7,8,9â€tetrahydroâ€5Hâ€benzocycloheptenâ€5â€ones. Journal of Heterocyclic Chemistry, 1996, 33, 17-25.	2.6	11
69	Photoinduced electron-transfer reaction of Î±-bromomethyl-substituted benzocyclic Î²-keto esters with amines: selective reaction pathways depending on the nature of the amine radical cations. Research on Chemical Intermediates, 2013, 39, 247-267.	2.7	11
70	Competitive Desulfonylative Reduction and Oxidation of Î±-Sulfonylketones Promoted by Photoinduced Electron Transfer with 2-Hydroxyaryl-1,3-dimethylbenzimidazolines under Air. Journal of Organic Chemistry, 2021, 86, 2556-2569.	3.2	11
71	Cycloreversion Reaction of Cage Compounds Initiated by Aminium Cation Radical Salts. Bulletin of the Chemical Society of Japan, 1985, 58, 3391-3392.	3.2	10
72	Photosensitized [2+2] cycloreversion reactions of arylated cage compounds in nonpolar solvents. Highly efficient adiabatic exciplex isomerization. Journal of Organic Chemistry, 1991, 56, 2170-2178.	3.2	10

#	Article	IF	Citations
73	Novel biphasic reaction system of ferric chloride dissolved imidazolium hexafluorophosphate and benzotrifluoride: application to electron transfer reaction of cyclopropyl silyl ethers. Tetrahedron, 2010, 66, 3447-3451.	1.9	10
74	Novel photoreaction of 4-tribromomethyl-4-methyl-2,5-cyclohexadienone with amine. Tetrahedron Letters, 1994, 35, 8643-8646.	1.4	9
75	Electron Transfer Induced Stereoselective Cyclization of 2,2-Disubstituted Dibenzoylmethane to anti-1,2-Cyclopropanediol. Tetrahedron Letters, 1995, 36, 6915-6918.	1.4	9
76	In situ generated tris(p-bromophenyl)amine radical cation promoted electron transfer reaction of cyclopropyl silyl ethers. Tetrahedron, 2009, 65, 10876-10881.	1.9	9
77	Copper(II)â€“acid catalyzed cyclopropanation of 1,3-dienamides by electrophilic activation of Î±-aryl diazoesters. Tetrahedron Letters, 2014, 55, 3041-3044.	1.4	9
78	Photocyclization reactions. Part 2 Synthesis of dihydrobenzofuranols using photocyclization of ethyl 2â€formylphenoxyacetates and ethyl 2â€acetylphenoxyacetates. Journal of Heterocyclic Chemistry, 1991, 28, 1273-1280.	2.6	8
79	Asymmetric Î±-2-tosylvinylation of in situ-generated N-2-tosylvinyl proline-derived ammonium ylides. Tetrahedron Letters, 2011, 52, 1819-1821.	1.4	8
80	Photocyclization reactions. Part 5. Synthesis of dihydrobenzofuranols using photocyclization of 2â€alkoxybenzophenones and ethyl 2â€benzoylphenoxyacetates. Journal of Heterocyclic Chemistry, 1996, 33, 1797-1805.	2.6	7
81	1,4-Elimination/BrÃ¸nsted acid catalyzed aza-Ferrier reaction sequence as an entry to Î²-amino-Î²,Î³-unsaturated aldehydes. Tetrahedron, 2013, 69, 2745-2752.	1.9	6
82	A Photocatalytic System Composed of Benzimidazolium Aryloxide and Tetramethylpiperidine 1-Oxyl to Promote Desulfonylative Î±-Oxyamination Reactions of Î±-Sulfonylketones. ACS Omega, 2022, 7, 4655-4666.	3.5	6
83	Electron transfer induced stereoselective cyclization of 2,2-disubstituted dibenzoylmethane to anti-1,2-cyclopropanediol. Tetrahedron Letters, 1995, 36, 6915-6918.	1.4	5
84	Photocyclization reactions. Part 4 . Synthesis of naphtho[1,8â€bc]â€furans and cyclohepta[cd]benzofurans using photocyclization of Ethyl 2â€(8â€Oxoâ€5,6,7,8â€tetrahydroâ€1â€naphthyloxy)acetates and ethyl 2â€(5â€Oxoâ€6,7,8,9â€tetrahydroâ€5Hâ€benzocycloheptenâ€4â€yloxy)acetates. Journal of Heterocyclic Chemistry, 1996, 33, 137-144.	2.6	4
85	Frameshift Mutagenicity and DNA Intercalation of 9-Amino-2-hydroxyacridine, a Rat Liver S9 Metabolite of 9-Aminoacridine. Bioscience, Biotechnology and Biochemistry, 1996, 60, 714-716.	1.3	4
86	Furan derivatives. Part 12 . Synthesis of 2,5â€dioxacyclohepta[jkl]â€asâ€indacenes. Journal of Heterocyclic Chemistry, 1990, 27, 941-948.	2.6	2
87	Reaction of ethyl 2-haloethyl-1-tetralone-2-carboxylate and samarium diiodide: first example of intramolecular O-alkylation of samarium ketyl radical by carbonâ€“halogen bond. Tetrahedron Letters, 2000, 41, 6447-6450.	1.4	2
88	Synthesis and Resolution of Optically Active Topologically Chiral Catenane. Chemistry Letters, 2020, 49, 1435-1438.	1.3	2
89	Furan derivatives. Part 13. Synthesis of thiopyrano[4,3,2â€cd]benzofuran. Journal of Heterocyclic Chemistry, 1992, 29, 503-509.	2.6	1
90	Changeable Reactivity of Ketyl Radicals Derived from 2â€Bromomethylâ€2â€(3â€butenyl)benzocyclicâ€1â€alkanones Depending on Electron Transfer Conditions Employed.. ChemInform, 2002, 33, 45-45.	0.0	0

#	Article	IF	Citations
91	Translational isomers of N-sulfonylated [3]catenane: synthesis and isomerization. Chemical Communications, 2021, 57, 1915-1918.	4.1	0