

Eietsu Hasegawa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4467936/publications.pdf>

Version: 2024-02-01

91
papers

2,551
citations

218677

26
h-index

233421

45
g-index

97
all docs

97
docs citations

97
times ranked

1444
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A Photocatalytic System Composed of Benzimidazolium Aryloxyde and Tetramethylpiperidine 1-Oxyl to Promote Desulfonylative $\hat{\pm}$ -Oxyamination Reactions of $\hat{\pm}$ -Sulfonylketones. ACS Omega, 2022, 7, 4655-4666. | 3.5 | 6 |
| 2 | Translational isomers of N-sulfonylated [3]catenane: synthesis and isomerization. Chemical Communications, 2021, 57, 1915-1918. | 4.1 | 0 |
| 3 | Competitive Desulfonylative Reduction and Oxidation of $\hat{\pm}$ -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 |
| 4 | Synthesis and Resolution of Optically Active Topologically Chiral Catenane. Chemistry Letters, 2020, 49, 1435-1438. | 1.3 | 2 |
| 5 | Sterically Regulated $\hat{\pm}$ -Oxygenation of $\hat{\pm}$ -Bromocarbonyl Compounds Promoted Using 2-Aryl-1,3-dimethylbenzimidazolines and Air. ACS Omega, 2020, 5, 7651-7665. | 3.5 | 14 |
| 6 | Protocol for Visible-Light-Promoted Desulfonylation Reactions Utilizing Catalytic Benzimidazolium Aryloxyde Betaines and Stoichiometric Hydride Donor Reagents. Journal of Organic Chemistry, 2020, 85, 4344-4353. | 3.2 | 24 |
| 7 | Benzimidazolium Naphthoxide Betaine Is a Visible Light Promoted Organic Photoredox Catalyst. Journal of Organic Chemistry, 2018, 83, 3921-3927. | 3.2 | 39 |
| 8 | Visible Light and Hydroxynaphthylbenzimidazoline Promoted Transition-Metal-Catalyst-Free Desulfonylation of \hat{i} -N- \hat{i} -Sulfonylamides and \hat{i} -N- \hat{i} -Sulfonylamines. Journal of Organic Chemistry, 2018, 83, 10813-10825. | 3.2 | 38 |
| 9 | Visible light-promoted reductive transformations of various organic substances by using hydroxyaryl-substituted benzimidazolines and bases. Tetrahedron, 2016, 72, 7805-7812. | 1.9 | 21 |
| 10 | 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 |
| 11 | Metal-Free, One-Pot, Sequential Protocol for Transforming $\hat{\pm}$, $\hat{1}^2$ -Epoxy Ketones to $\hat{1}^2$ -Hydroxy Ketones and $\hat{\pm}$ -Methylene Ketones. Journal of Organic Chemistry, 2015, 80, 1593-1600. | 3.2 | 22 |
| 12 | Aryl-substituted dimethylbenzimidazolines as effective reductants of photoinduced electron transfer reactions. Tetrahedron, 2015, 71, 5494-5505. | 1.9 | 30 |
| 13 | 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 |
| 14 | 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 |
| 15 | A photo-reagent system of benzimidazoline and Ru(bpy) ₃ Cl ₂ to promote hexenyl radical cyclization and Dowdâ€™Beckwith ring-expansion of $\hat{\pm}$ -halomethyl-substituted benzocyclic 1-alkanones. Tetrahedron, 2014, 70, 2776-2783. | 1.9 | 20 |
| 16 | Copper(II)â€™acid catalyzed cyclopropanation of 1,3-dienamides by electrophilic activation of $\hat{\pm}$ -aryl diazoesters. Tetrahedron Letters, 2014, 55, 3041-3044. | 1.4 | 9 |
| 17 | Carbonâ€™carbon bond formation via benzoyl umpolung attained by photoinduced electron-transfer with benzimidazolines. Tetrahedron Letters, 2013, 54, 6874-6877. | 1.4 | 19 |
| 18 | Photoinduced electron-transfer reaction of $\hat{\pm}$ -bromomethyl-substituted benzocyclic $\hat{1}^2$ -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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 1,4-Elimination/Brønsted acid catalyzed aza-Ferrier reaction sequence as an entry to β -amino- β , β -unsaturated aldehydes. <i>Tetrahedron</i> , 2013, 69, 2745-2752. | 1.9 | 6 |
| 20 | Selective Synthesis of [2]- and [3]Catenane Tuned by Ring Size and Concentration. <i>Journal of Organic Chemistry</i> , 2013, 78, 5205-5217. | 3.2 | 23 |
| 21 | Copper(II)-salt-promoted oxidative ring-opening reactions of bicyclic cyclopropanol derivatives via radical pathways. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 1397-1406. | 2.2 | 14 |
| 22 | An Effective Procedure to Promote Aza-Prins Cyclization Reactions Employing a Combination of Ferric Chloride and an Imidazolium Salt in Benzotrifluoride. <i>Heterocycles</i> , 2012, 86, 1211. | 0.7 | 13 |
| 23 | Copper(II)-acid co-catalyzed intermolecular substitution of electron-rich aromatics with diazoesters. <i>Tetrahedron Letters</i> , 2012, 53, 5159-5161. | 1.4 | 35 |
| 24 | Asymmetric β -2-tosylethylenylation of N,N-dialkyl-l-amino acid esters via the formation of non-racemic ammonium enolates. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 339-345. | 2.8 | 14 |
| 25 | A formal method for the de-N,N-dialkylation of Sommelet-Hauser rearrangement products. <i>Tetrahedron</i> , 2012, 68, 4710-4718. | 1.9 | 21 |
| 26 | 1,2-Dimethoxy-4,5-dimethylene: a new protecting group for acyclic amino acid derivatives prepared by Stevens rearrangement. <i>Tetrahedron Letters</i> , 2012, 53, 1373-1375. | 1.4 | 12 |
| 27 | Asymmetric β -2-tosylvinylation of in situ-generated N-2-tosylvinyl proline-derived ammonium ylides. <i>Tetrahedron Letters</i> , 2011, 52, 1819-1821. | 1.4 | 8 |
| 28 | Copper(II) Triflate Catalyzed Intermolecular Aromatic Substitution of <i>N,N</i> -Disubstituted Anilines with Diazo Esters. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 6719-6721. | 2.4 | 48 |
| 29 | Novel biphasic reaction system of ferric chloride dissolved imidazolium hexafluorophosphate and benzotrifluoride: application to electron transfer reaction of cyclopropyl silyl ethers. <i>Tetrahedron</i> , 2010, 66, 3447-3451. | 1.9 | 10 |
| 30 | Remarkable enhancement effect of potassium tert-butoxide/THF solution in base-induced Sommelet-Hauser rearrangements. <i>Tetrahedron</i> , 2010, 66, 9389-9395. | 1.9 | 21 |
| 31 | Application of biphasic reaction procedure using ferric chloride dissolved in an imidazolium salt and benzotrifluoride (Felm-BTF procedure) to aza-Prins cyclization reaction. <i>Tetrahedron Letters</i> , 2010, 51, 6535-6538. | 1.4 | 15 |
| 32 | Benzimidazoline-Dimethoxypyrene. An Effective Promoter System for Photoinduced Electron Transfer Promoted Reductive Transformations of Organic Compounds. <i>Heterocycles</i> , 2009, 77, 1147. | 0.7 | 39 |
| 33 | In situ generated tris(<i>p</i> -bromophenyl)amine radical cation promoted electron transfer reaction of cyclopropyl silyl ethers. <i>Tetrahedron</i> , 2009, 65, 10876-10881. | 1.9 | 9 |
| 34 | Cyclization and Ring-Expansion Processes Involving Samarium Diodide Promoted Reductive Formation and Subsequent Oxidative Ring Opening of Cyclopropanol Derivatives. <i>Journal of Organic Chemistry</i> , 2009, 74, 2467-2475. | 3.2 | 39 |
| 35 | Tris(trimethylsilyl)silane promoted radical reaction and electron-transfer reaction in benzotrifluoride. <i>Tetrahedron</i> , 2008, 64, 7724-7728. | 1.9 | 26 |
| 36 | Electron Transfer Promoted Regioselective Ring-Opening Reaction of Cyclopropyl Silyl Ethers. <i>Organic Letters</i> , 2007, 9, 2811-2814. | 4.6 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Photoinduced electron-transfer systems consisting of electron-donating pyrenes or anthracenes and benzimidazolines for reductive transformation of carbonyl compounds. <i>Tetrahedron</i> , 2006, 62, 6581-6588. | 1.9 | 121 |
| 38 | The first example of samarium diiodide-promoted intramolecular ketone-ester coupling of ketones tethering acyloxyalkyl side chains producing 2-hydroxy cyclic hemiacetals. <i>Tetrahedron Letters</i> , 2006, 47, 7715-7718. | 1.4 | 17 |
| 39 | Cyclization and Ring-expansion Reactions Involving Reductive Formation and Oxidative Ring-opening of Cyclopropanol Derivatives. <i>Chemistry Letters</i> , 2005, 34, 1688-1689. | 1.3 | 18 |
| 40 | Contrastive Photoreduction Pathways of Benzophenones Governed by Regiospecific Deprotonation of Imidazoline Radical Cations and Additive Effects. <i>Journal of Organic Chemistry</i> , 2005, 70, 9632-9635. | 3.2 | 76 |
| 41 | 2-Hydroxyphenyl-1,3-dimethylbenzimidazolines. Formal Two Hydrogen Atom-donors for Photoinduced Electron Transfer Reactions. <i>Chemistry Letters</i> , 2004, 33, 18-19. | 1.3 | 22 |
| 42 | 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. <i>Tetrahedron Letters</i> , 2003, 44, 9317-9320. | 1.4 | 23 |
| 43 | Changeable reactivity of ketyl radicals derived from 2-bromomethyl-2-(3-butenyl)benzocyclic-1-alkanones depending on electron transfer conditions employed. <i>Chemical Communications</i> , 2002, , 1966-1967. | 4.1 | 17 |
| 44 | Samarium diiodide-promoted intramolecular ketone-ester coupling reaction: novel cyclization and ring expansion pathway. <i>Tetrahedron Letters</i> , 2002, 43, 5067-5070. | 1.4 | 17 |
| 45 | Changeable Reactivity of Ketyl Radicals Derived from 2-Bromomethyl-2-(3-butenyl)benzocyclic-1-alkanones Depending on Electron Transfer Conditions Employed.. <i>ChemInform</i> , 2002, 33, 45-45. | 0.0 | 0 |
| 46 | 1,3-Dimethyl-2-phenylbenzimidazoline (DMPBI)-Acetic Acid: An Effective Reagent System for Photoinduced Reductive Transformation of α,β -Epoxy Ketones to β -Hydroxy Ketones. <i>Synthesis</i> , 2001, 112, 1248. | 2.3 | 14 |
| 47 | Reaction of ethyl 2-haloethyl-1-tetralone-2-carboxylate and samarium diiodide: first example of intramolecular O-alkylation of samarium ketyl radical by carbon-halogen bond. <i>Tetrahedron Letters</i> , 2000, 41, 6447-6450. | 1.4 | 2 |
| 48 | Reductive transformation of α,β -epoxy ketones and other compounds promoted through photoinduced electron transfer processes with 1,3-dimethyl-2-phenylbenzimidazoline (DMPBI). <i>Tetrahedron</i> , 1999, 55, 12957-12968. | 1.9 | 116 |
| 49 | Photoreactions of 4-(Tribromomethyl)-4-methyl-2,5-cyclohexadienone and Its Derivatives with Amines: Radical Cyclization and Ring Expansion Reactions Promoted through Photoinduced Electron Transfer Processes. <i>Journal of Organic Chemistry</i> , 1999, 64, 8780-8785. | 3.2 | 16 |
| 50 | First example of samarium diiodide-promoted sequential cyclization and ring-expansion reactions of α -bromomethyl cyclic β -keto esters to homologated β -keto esters. <i>Tetrahedron Letters</i> , 1998, 39, 4059-4062. | 1.4 | 43 |
| 51 | Photoreaction of halomethyl substituted benzocyclic ketones with amines: radical cyclization and ring expansion reactions promoted through photoinduced electron transfer processes. <i>Chemical Communications</i> , 1997, , 1895. | 4.1 | 24 |
| 52 | The Effects of Substituents Introduced into 9-Aminoacridine on Frameshift Mutagenicity and DNA Binding Affinity. <i>Bioscience, Biotechnology and Biochemistry</i> , 1997, 61, 1121-1125. | 1.3 | 14 |
| 53 | Electron-Transfer Reactions of Aromatic α,β -Epoxy Ketones: Factors That Govern Selective Conversion to β -Diketones and β -Hydroxy Ketones. <i>Journal of Organic Chemistry</i> , 1997, 62, 2396-2400. | 3.2 | 61 |
| 54 | Photocyclization reactions. Part 6. Solvent and substituent effects in the synthesis of dihydrobenzofuranols using photocyclization of α -alkoxybenzophenones and ethyl α -benzoylphenoxyacetates. <i>Journal of Heterocyclic Chemistry</i> , 1997, 34, 861-869. | 2.6 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Photocyclization reactions. Part 3. Synthesis of naphtho[1,8a-c]furans and Cyclohepta[1,2,3,4-tetrahydro-1-naphthalenones and 4-alkoxy-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-ones. Journal of Heterocyclic Chemistry, 1996, 33, | 2.6 | 11 |
| 56 | Photocyclization reactions. Part 4. Synthesis of naphtho[1,8a-c]furans and cyclohepta[1,2,3,4-tetrahydro-1-naphthoxy)acetates and ethyl 2-(8-oxo-5,6,7,8-tetrahydro-1-naphthoxy)acetates and ethyl 2-(5-oxo-6,7,8,9-tetrahydro-5H-benzocyclohepten-4-yl)acetates. Journal of Heterocyclic Chemistry, 1996, 33, 137-144. | 2.6 | 4 |
| 57 | Photocyclization reactions. Part 5. Synthesis of dihydrobenzofuranols using photocyclization of 2-alkoxybenzophenones and ethyl 2-benzoylphenoxyacetates. Journal of Heterocyclic Chemistry, 1996, 33, 1797-1805. | 2.6 | 7 |
| 58 | Aminium salt promoted catalytic substitution reactions of acetals with silylated nucleophiles. Tetrahedron Letters, 1996, 37, 3483-3486. | 1.4 | 20 |
| 59 | Photoinduced electron transfer reactions of α,β -epoxy ketones with 2-phenyl-N,N-dimethylbenzimidazole (PDMBI): Significant water effect on the reaction pathway. Tetrahedron Letters, 1996, 37, 7079-7082. | 1.4 | 50 |
| 60 | Pyrylium salt promoted substitution reactions of acetals with various silylated nucleophiles. Tetrahedron Letters, 1996, 37, 7779-7782. | 1.4 | 20 |
| 61 | 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 |
| 62 | Electron Transfer Induced Stereoselective Cyclization of 2,2-Disubstituted Dibenzoylmethane to anti-1,2-Cyclopropanediol. Tetrahedron Letters, 1995, 36, 6915-6918. | 1.4 | 9 |
| 63 | Electron transfer induced stereoselective cyclization of 2,2-disubstituted dibenzoylmethane to anti-1,2-cyclopropanediol. Tetrahedron Letters, 1995, 36, 6915-6918. | 1.4 | 5 |
| 64 | Pyrylium salt sensitized photochemical deprotections of dithioacetals and ketals. Tetrahedron, 1994, 50, 12821-12828. | 1.9 | 39 |
| 65 | Novel photoreaction of 4-tribromomethyl-4-methyl-2,5-cyclohexadienone with amine. Tetrahedron Letters, 1994, 35, 8643-8646. | 1.4 | 9 |
| 66 | Rate constants for the reactions of primary alkyl radicals with SmI ₂ in THF/HMPA. Tetrahedron Letters, 1993, 34, 1717-1720. | 1.4 | 100 |
| 67 | 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 |
| 68 | Photochemically and thermally induced free-radical reactions of α,β -epoxy ketones with tributyltin hydride: selective C- α -O bond cleavage of oxiranylmethyl radicals derived from α,β -epoxy ketones. Journal of Organic Chemistry, 1992, 57, 5352-5359. | 3.2 | 58 |
| 69 | 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 |
| 70 | 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 |
| 71 | Furan derivatives. Part 13. Synthesis of thiopyrano[4,3,2-c]benzofuran. Journal of Heterocyclic Chemistry, 1992, 29, 503-509. | 2.6 | 1 |
| 72 | Photocyclization reactions. Part 2. Synthesis of dihydrobenzofuranols using photocyclization of ethyl 2-formylphenoxyacetates and ethyl 2-acetylphenoxyacetates. Journal of Heterocyclic Chemistry, 1991, 28, 1273-1280. | 2.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | Photosensitized [2+2] cycloreversion reactions of arylated cage compounds in nonpolar solvents. Highly efficient adiabatic exciplex isomerization. <i>Journal of Organic Chemistry</i> , 1991, 56, 2170-2178. | 3.2 | 10 |
| 74 | Exploratory study on photoinduced single electron transfer reactions of .alpha.,.beta.-epoxy ketones with amines. <i>Journal of Organic Chemistry</i> , 1991, 56, 1631-1635. | 3.2 | 85 |
| 75 | Deprotection of 1,3-dithianes by antimony pentachloride via single electron transfer processes. <i>Tetrahedron Letters</i> , 1991, 32, 7421-7424. | 1.4 | 34 |
| 76 | Photocyclization reactions. Part 1. Synthesis of dihydrobenzofuranols using photocyclization of 2-alkoxybenzaldehydes, 2-alkoxyacetophenones, 2-formylphenoxyacetic acids and 2-acetylphenoxyacetic acids. <i>Journal of Heterocyclic Chemistry</i> , 1991, 28, 1261-1272. | 2.6 | 26 |
| 77 | Photoinduced single electron transfer reactions of 1,3-dithianes and 1,3-dithiolanes sensitized by triphenylpyrylium salt in the presence of molecular oxygen. <i>Tetrahedron Letters</i> , 1991, 32, 4349-4352. | 1.4 | 32 |
| 78 | Free radical trapping of $\hat{1}\pm$ -keto radicals derived from $\hat{1}\pm$, $\hat{1}^2$ -epoxy ketones via photoinduced single electron transfer process. <i>Tetrahedron Letters</i> , 1991, 32, 2029-2032. | 1.4 | 30 |
| 79 | Furan derivatives. part 11 [1]. on substituent effects in the synthesis of 3,4,5,6-tetrahydrocyclohepta[<i>c</i>]benzofurans. <i>Journal of Heterocyclic Chemistry</i> , 1990, 27, 935-940. | 2.6 | 18 |
| 80 | Furan derivatives. Part 12 . Synthesis of 2,5-dioxacyclohepta[<i>jkl</i>]indacenes. <i>Journal of Heterocyclic Chemistry</i> , 1990, 27, 941-948. | 2.6 | 2 |
| 81 | Selective C-O bond cleavage of chalcone epoxides induced by pyrylium salt sensitized photoreactions and dark reactions with cerium(iv) salts. <i>Tetrahedron Letters</i> , 1990, 31, 4045-4048. | 1.4 | 21 |
| 82 | Furan derivatives. Part 10. Synthesis of cyclohepta[<i>c</i>]benzofuran. <i>Journal of Heterocyclic Chemistry</i> , 1989, 26, 365-369. | 2.6 | 16 |
| 83 | Novel electron-transfer photocyclization reactions of .alpha.-silyl amine .alpha.,.beta.-unsaturated ketone and ester systems. <i>Journal of the American Chemical Society</i> , 1989, 111, 406-408. | 13.7 | 63 |
| 84 | Electron-transfer-induced rearrangements of phenylated tricyclo[4.2.0.0 ^{2,5}]octane and 1,5-cyclooctadiene. <i>Journal of Organic Chemistry</i> , 1989, 54, 2053-2058. | 3.2 | 13 |
| 85 | Electron-transfer-induced photoadditions of the silyl amine, Et ₂ NCH ₂ SiMe ₃ , to .alpha.,.beta.-unsaturated cyclohexenones. Dual reaction pathways based on ion pair-selective cation-radical chemistry. <i>Journal of the American Chemical Society</i> , 1988, 110, 8099-8111. | 13.7 | 130 |
| 86 | Photoadditions of ethers, thioethers, and amines to 9,10-dicyanoanthracene by electron transfer pathways. <i>Journal of Organic Chemistry</i> , 1988, 53, 5435-5442. | 3.2 | 72 |
| 87 | Electron-transfer photochemistry of .alpha.-silylamine-cyclohexenone systems. Medium effects on reaction pathways followed. <i>Journal of the American Chemical Society</i> , 1987, 109, 4421-4423. | 13.7 | 55 |
| 88 | Cycloreversion Reaction of Cage Compounds Initiated by Aminium Cation Radical Salts. <i>Bulletin of the Chemical Society of Japan</i> , 1985, 58, 3391-3392. | 3.2 | 10 |
| 89 | Organic photochemistry. 68. Exciplex isomerization in photosensitized cycloreversion reactions of cage compounds. <i>Journal of the American Chemical Society</i> , 1984, 106, 6852-6854. | 13.7 | 13 |
| 90 | PHOTOSENSITIZED CARBON-OXYGEN BOND CLEAVAGE REACTION OF EPOXIDES BY 2,4,6-TRIPHENYLPYRYLIUM TETRAFLUOROBORATE SALT. <i>Chemistry Letters</i> , 1983, 12, 305-308. | 1.3 | 15 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 91 | PHOTOCHEMICAL REACTION OF 2-AROYL- 3-ARYLNORBORNADIENES. Chemistry Letters, 1982, 11, 1551-1554. | 1.3 | 21 |