

Kenta Tanaka

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A new cycloaddition profile for <i>ortho</i> -quinone methides: photoredox-catalyzed [6+4] cycloadditions for synthesis of benzo[<i>b</i>]cyclopenta[<i>e</i>]oxepines. <i>Chemical Communications</i> , 2022, 58, 2476-2479. | 4.1 | 3 |
| 2 | Moderately Oxidizing Thioxanthylum Organophotoredox Catalysts for Radical-Cation Diels-Alder Reactions. <i>Journal of Organic Chemistry</i> , 2022, 87, 3319-3328. | 3.2 | 6 |
| 3 | Integrated Flow Synthesis of $\hat{1}\pm$ -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 |
| 4 | Visible-light-induced [4 + 2] cycloaddition of pentafulvenes by organic photoredox catalysis. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8074-8078. | 2.8 | 20 |
| 5 | Dual In Situ Generation of Aliphatic Vinyl Ethers and Electron-Deficient <i>ortho</i> -Quinone Methides for Inverse-Electron-Demand [4+2] Cycloaddition: A Selective One-Pot Synthesis of 3-Alkylchromanes. <i>Synlett</i> , 2020, 31, 1197-1200. | 1.8 | 7 |
| 6 | Redox Potential Controlled Selective Oxidation of Styrenes for Regio- and Stereoselective Crossed Intermolecular [2 + 2] Cycloaddition <i>via</i> Organophotoredox Catalysis. <i>Organic Letters</i> , 2020, 22, 5207-5211. | 4.6 | 21 |
| 7 | Electrocatalytic asymmetric hydrogenation of $\hat{1}\pm, \hat{1}^2$ -unsaturated acids in a PEM reactor with cinchona-modified palladium catalysts. <i>Electrochemistry Communications</i> , 2020, 115, 106734. | 4.7 | 22 |
| 8 | Highly Selective and Efficient Electrocatalytic Semihydrogenation of Diphenylacetylene in a PEM Reactor with Pt-Pd Alloy Cathode Catalysts. <i>Journal of the Electrochemical Society</i> , 2020, 167, 155506. | 2.9 | 17 |
| 9 | Design and Synthesis of Strongly Oxidizing Thioxanthylum Organic Photosensitizer for Green-light-driven Photoredox Catalysis. <i>Journal of the Japan Society of Colour Material</i> , 2020, 93, 49-53. | 0.1 | 4 |
| 10 | Flow Electrosynthesis and Molecular Weight Control of Polyphenylene Deriving from 1,4-Bis(trimethylsilyl)benzene: Effect of a Silyl Substituent on the Coupling Position. <i>Electrochemistry</i> , 2020, 88, 336-339. | 1.4 | 4 |
| 11 | Electrochemical Synthesis of Porous Polypyrrole Materials Using Polyacrylonitrile Monolith Template. <i>Kagaku Kogaku Ronbunshu</i> , 2020, 46, 129-133. | 0.3 | 0 |
| 12 | Organophotoredox-Catalyzed Intermolecular Oxa-[4+2] Cycloaddition Reactions. <i>Journal of Organic Chemistry</i> , 2019, 84, 10669-10678. | 3.2 | 26 |
| 13 | Access to Electron-Deficient 2,2-Disubstituted Chromanes: A Highly Regioselective One-Pot Synthesis via an Inverse-Electron-Demand [4 + 2] Cycloaddition of <i>ortho</i> -Quinone Methides. <i>Journal of Organic Chemistry</i> , 2019, 84, 13858-13870. | 3.2 | 15 |
| 14 | Friedel-Crafts approach to the one-pot synthesis of methoxy-substituted thioxanthylum salts. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2105-2112. | 2.2 | 9 |
| 15 | A New Approach to Stereoselective Electrocatalytic Semihydrogenation of Alkynes to <i>Z</i> -Alkenes using a Proton-Exchange Membrane Reactor. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11050-11055. | 6.7 | 45 |
| 16 | A Flow Microreactor Approach to a Highly Efficient Diels-Alder Reaction with an Electrogenerated <i>o</i> -Quinone. <i>Synlett</i> , 2019, 30, 1194-1198. | 1.8 | 15 |
| 17 | Highly Selective One-Pot Synthesis of Polysubstituted Isoflavanes using Styryl Ethers and Electron-Withdrawing <i>ortho</i> -Quinone Methides Generated In Situ. <i>Synlett</i> , 2019, 30, 189-192. | 1.8 | 11 |
| 18 | CsF-Promoted Desilylation and Ring-Contraction Reaction of Electron-Deficient 3-Silyl-2H-chromenes to 2-Benzylbenzofurans. <i>Heterocycles</i> , 2019, 99, 145. | 0.7 | 7 |

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|----|---|-----|-----------|
| 19 | Temperature-controlled divergent synthesis of 4-alkoxy- or 4-alkenyl-chromanes via inverse electron-demand cycloaddition with in situ generated ortho-quinone methides. <i>Tetrahedron Letters</i> , 2018, 59, 1841-1845. | 1.4 | 14 |
| 20 | The Ring-contraction Reaction of Electron-deficient 3-Silylchromene to 2-Benzylbenzofuran under Mildly Basic Conditions. <i>Chemistry Letters</i> , 2018, 47, 440-443. | 1.3 | 10 |
| 21 | Green-light-driven thioxanthylum-based organophotoredox catalysts: Organophotoredox promoted radical cation Diels-Alder reaction. <i>Tetrahedron Letters</i> , 2018, 59, 3361-3364. | 1.4 | 28 |
| 22 | Development of Regioselective Inverse-Electron-Demand [4+2] Cycloaddition with Electron-Rich Arylalkynes for Access to Multi-Substituted Condensed Oxapolycyclic Compounds. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2018, 76, 1341-1351. | 0.1 | 8 |
| 23 | Highly regioselective synthesis of 2,3-disubstituted 2 H -1-benzopyrans: Brønsted acid catalyzed [4+2] cycloaddition reaction with a variety of arylalkynes via ortho -quinone methides. <i>Tetrahedron</i> , 2017, 73, 6456-6464. | 1.9 | 20 |
| 24 | A Direct Synthesis of 2,2-Disubstituted 3-Silylchromenes by [4+2] Cycloaddition of in situ Generated o-Quinonemethides with Electron-Rich Alkynes. <i>Heterocycles</i> , 2017, 95, 474. | 0.7 | 7 |
| 25 | A novel synthesis of polysubstituted chromenes from various salicylaldehydes and alkynes under mild conditions. <i>Tetrahedron Letters</i> , 2016, 57, 2448-2450. | 1.4 | 19 |
| 26 | Regioselective one-pot synthesis of 2,3-diaryl-2H-1-benzopyrans via Brønsted acid-catalyzed [4+2] cycloaddition of salicylaldehydes with diarylacetylenes. <i>Tetrahedron Letters</i> , 2016, 57, 5914-5918. | 1.4 | 19 |