# Daichi Hayakawa

List of Publications by Year
in descending order

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| 22 | 236 | 933447 | 996975 |
|---|---|---|---|
| papers | citations | 10 h-index | 15 g-index |

| 22 | 22 | 22 | 344 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Synthesis of a novel and potent small-molecule antagonist of PAC1 receptor for the treatment of neuropathic pain. European Journal of Medicinal Chemistry, 2020, 186, 111902. | 5.5 | 12 |
| 2 | A molecular interaction field describing nonconventional intermolecular interactions and its application to proteinâ€“ligand interaction prediction. Journal of Molecular Graphics and Modelling, 2020, 96, 107515. | 2.4 | 10 |
| 3 | Effects of N-Substituents on the Functional Activities of Naltrindole Derivatives for the Î´ Opioid Receptor: Synthesis and Evaluation of Sulfonamide Derivatives. Molecules, 2020, 25, 3792. | 3.8 | 6 |
| 4 | Essential structure of orexin 1 receptor antagonist YNT-707, part III: Role of the 14-hydroxy and the 3-methoxy groups in antagonistic activity toward the orexin 1 receptor in YNT-707 derivatives lacking the 4,5-epoxy ring. Bioorganic and Medicinal Chemistry, 2019, 27, 1747-1758. | 3.0 | 9 |
| 5 | Formal Syntheses of (â˜)-Lepadiformines A, C, and (â˜)-Fasicularin. Journal of Organic Chemistry, 2019, 84, 5222-5229. | 3.2 | 9 |
| 6 | DFT study of the influence of acetyl groups of cellulose acetate on its intrinsic birefringence and wavelength dependence. Carbohydrate Polymers, 2019, 207, 122-130. | 10.2 | 14 |
| 7 | In Silico Screening Identified Novel Small-molecule Antagonists of PAC1 Receptor. Journal of Pharmacology and Experimental Therapeutics, 2018, 365, 1-8. | 2.5 | 25 |
| 8 | Essential structure of orexin 1 receptor antagonist YNT-707, Part II: Drastic effect of the 14-hydroxy group on the orexin 1 receptor antagonistic activity. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 774-777. | 2.2 | 12 |
| 9 | Design, synthesis, and evaluation of novel inhibitors for wild-type human serine racemase. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 441-445. | 2.2 | 9 |
| 10 | Multi-step virtual screening to develop selective DYRK1A inhibitors. Journal of Molecular Graphics and Modelling, 2017, 72, 229-239. | 2.4 | 10 |
| 11 | Essential structure of orexin 1 receptor antagonist YNT-707, Part I: Role of the 4,5-epoxy ring for binding with orexin 1 receptor. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4176-4179. | 2.2 | 13 |
| 12 | In silico analyses of the effects of a point mutation and a pharmacological chaperone on the thermal fluctuation of phenylalanine hydroxylase. Biophysical Chemistry, 2017, 228, 47-54. | 2.8 | 0 |
| 13 | Evaluation of hydrogen bond networks in cellulose Iβ and II crystals using density functional theory and Carâ€“Parrinello molecular dynamics. Carbohydrate Research, 2017, 449, 103-113. | 2.3 | 24 |
| 14 | Ab initio studies on the structure of and atomic interactions in cellulose IIII crystals. Carbohydrate Research, 2015, 417, 72-77. | 2.3 | 5 |
| 15 | Computational study to evaluate the birefringence of uniaxially oriented film of cellulose triacetate. Carbohydrate Research, 2015, 402, 146-151. | 2.3 | 17 |
| 16 | Molecular dynamics simulation of dissociation behavior of various crystalline celluloses treated with hot-compressed water. Cellulose, 2014, 21, 3203-3215. | 4.9 | 13 |
| 17 | Investigation of the structure and interaction of cellulose triacetate I crystal using ab initio calculations. Carbohydrate Research, 2014, 388, 61-66. | 2.3 | 5 |
| 18 | Folded-chain structure of cellulose II suggested by molecular dynamics simulation. Carbohydrate Research, 2013, 379, 30-37. | 2.3 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Ab initio studies of the structure and the interaction of cellulose IIII crystal. Materials Research Society Symposia Proceedings, 2013, 1554, 1. | 0.1 | 0 |
| 20 | Computational Study of Optical Properties of Cellulose Triacetate Film. Materials Research Society Symposia Proceedings, 2013, 1524, 301. | 0.1 | 0 |
| 21 | Ab initio studies of the crystal structure of cellulose triacetate I. Materials Research Society Symposia Proceedings, 2012, 1470, 21. | 0.1 | 1 |
| 22 | Molecular dynamics simulation of the dissolution process of a cellulose triacetate-II nano-sized crystal in DMSO. Carbohydrate Research, 2011, 346, 2940-2947. | 2.3 | 13 |