

Houchao Tao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1243708/publications.pdf>

Version: 2024-02-01

24
papers

931
citations

840119

11
h-index

642321

23
g-index

24
all docs

24
docs citations

24
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	Ugi Reaction Mediated Detergent Assembly for Membrane Protein Studies. Chemistry - an Asian Journal, 2022, 17, .	1.7	3
2	Two-Dimensional Detergent Expansion Strategy for Membrane Protein Studies. Chemistry - A European Journal, 2022, 28, .	1.7	5
3	Kinetic resolution of <i>N</i> -aryl β -amino alcohols via asymmetric aminations of anilines. Chemical Communications, 2021, 57, 9394-9397.	2.2	13
4	Kinetic Resolution of 2,2-Disubstituted Dihydroquinolines through Chiral Phosphoric Acid-Catalyzed C6-Selective Asymmetric Halogenations. Organic Letters, 2021, 23, 4104-4108.	2.4	12
5	Catalytically Cleavable Detergent for Membrane Protein Studies. ACS Omega, 2021, 6, 21087-21093.	1.6	6
6	Rational Remodeling of Atypical Scaffolds for the Design of Photoswitchable Cannabinoid Receptor Tools. Journal of Medicinal Chemistry, 2021, 64, 13752-13765.	2.9	9
7	Elucidation of Distinct Modular Assemblies of Smoothened Receptor by Bitopic Ligand Measurement. Journal of Medicinal Chemistry, 2021, 64, 13830-13840.	2.9	3
8	A Genetically Encoded F-19 NMR Probe Reveals the Allosteric Modulation Mechanism of Cannabinoid Receptor 1. Journal of the American Chemical Society, 2021, 143, 16320-16325.	6.6	44
9	Regio- and enantioselective amination of acyclic branched β -alkynyl ketones: asymmetric construction of <i>N</i> -containing quaternary stereocenters. Organic Chemistry Frontiers, 2021, 8, 5377-5382.	2.3	9
10	G protein-coupled receptors: structure- and function-based drug discovery. Signal Transduction and Targeted Therapy, 2021, 6, 7.	7.1	241
11	Structure-Activity Relationship Studies of Hydantoin-Cored Ligands for Smoothened Receptor. ChemistryOpen, 2021, 10, 1028-1032.	0.9	0
12	Colocalization Strategy Unveils an Underside Binding Site in the Transmembrane Domain of Smoothened Receptor. Journal of Medicinal Chemistry, 2019, 62, 9983-9989.	2.9	5
13	Disulfide-Containing Detergents (DCDs) for the Structural Biology of Membrane Proteins. Chemistry - A European Journal, 2019, 25, 11635-11640.	1.7	5
14	The structure-based traceless specific fluorescence labeling of the smoothened receptor. Organic and Biomolecular Chemistry, 2019, 17, 6136-6142.	1.5	5
15	A Chemical Strategy for Amphiphile Replacement in Membrane Protein Research. Langmuir, 2019, 35, 4319-4327.	1.6	6
16	A structurally guided dissection-then-evolution strategy for ligand optimization of smoothened receptor. MedChemComm, 2017, 8, 1332-1336.	3.5	9
17	Crystal structure of a multi-domain human smoothened receptor in complex with a super stabilizing ligand. Nature Communications, 2017, 8, 15383.	5.8	81
18	Distinct Conformational Spectrum of Homologous Multidrug ABC Transporters. Structure, 2015, 23, 450-460.	1.6	94

#	ARTICLE	IF	CITATIONS
19	Snapshots of ligand entry, malleable binding and induced helical movement in P-glycoprotein. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 732-741.	2.5	149
20	Synthesis of Azole-Enriched Cyclic Peptides by A Clean Solid-Phase-Based Cyclization-Cleavage Strategy. <i>ACS Combinatorial Science</i> , 2013, 15, 447-451.	3.8	9
21	Engineered nanostructured β -sheet peptides protect membrane proteins. <i>Nature Methods</i> , 2013, 10, 759-761.	9.0	110
22	Synthesis and Properties of Dodecyl Trehaloside Detergents for Membrane Protein Studies. <i>Langmuir</i> , 2012, 28, 11173-11181.	1.6	22
23	New amphiphiles for membrane protein structural biology. <i>Methods</i> , 2011, 55, 318-323.	1.9	71
24	Design and Synthesis of Selenazole-Containing Peptides for Cocrystallization with P-glycoprotein. <i>ChemBioChem</i> , 2011, 12, 868-873.	1.3	20