Houchao Tao

List of Publications by Year
in descending order

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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	G protein-coupled receptors: structure- and function-based drug discovery. Signal Transduction and Targeted Therapy, 2021, 6, 7.	7.1	241
2	Snapshots of ligand entry, malleable binding and induced helical movement in P-glycoprotein. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 732-741.	2.5	149
3	Engineered nanostructured Î²-sheet peptides protect membrane proteins. Nature Methods, 2013, 10, 759-761.	9.0	110
4	Distinct Conformational Spectrum of Homologous Multidrug ABC Transporters. Structure, 2015, 23, 450-460.	1.6	94
5	Crystal structure of a multi-domain human smoothened receptor in complex with a super stabilizing ligand. Nature Communications, 2017, 8, 15383.	5.8	81
6	New amphiphiles for membrane protein structural biology. Methods, 2011, 55, 318-323.	1.9	71
7	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
8	Synthesis and Properties of Dodecyl Trehaloside Detergents for Membrane Protein Studies. Langmuir, 2012, 28, 11173-11181.	1.6	22
9	Design and Synthesis of Selenazoleâ€Containing Peptides for Cocrystallization with Pâ€Glycoprotein. ChemBioChem, 2011, 12, 868-873.	1.3	20
10	Kinetic resolution ofN-aryl Î²-amino alcoholsviaasymmetric aminations of anilines. Chemical Communications, 2021, 57, 9394-9397.	2.2	13
11	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
12	Synthesis of Azole-Enriched Cyclic Peptides by A Clean Solid-Phase-Based Cyclization-Cleavage Strategy. ACS Combinatorial Science, 2013, 15, 447-451.	3.8	9
13	A structurally guided dissection-then-evolution strategy for ligand optimization of smoothened receptor. MedChemComm, 2017, 8, 1332-1336.	3.5	9
14	Rational Remodeling of Atypical Scaffolds for the Design of Photoswitchable Cannabinoid Receptor Tools. Journal of Medicinal Chemistry, 2021, 64, 13752-13765.	2.9	9
15	Regio- and enantioselective amination of acyclic branched Î±-alkynyl ketones: asymmetric construction of N-containing quaternary stereocenters. Organic Chemistry Frontiers, 2021, 8, 5377-5382.	2.3	9
16	A Chemical Strategy for Amphiphile Replacement in Membrane Protein Research. Langmuir, 2019, 35, 4319-4327.	1.6	6
17	Catalytically Cleavable Detergent for Membrane Protein Studies. ACS Omega, 2021, 6, 21087-21093.	1.6	6
18	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

#	Article	IF	Citations
19	Disulfideâ€Containing Detergents (DCDs) for the Structural Biology of Membrane Proteins. Chemistry - A European Journal, 2019, 25, 11635-11640.	1.7	5
20	The structure-based traceless specific fluorescence labeling of the smoothened receptor. Organic and Biomolecular Chemistry, 2019, 17, 6136-6142.	1.5	5
21	Twoâ€Dimensional Detergent Expansion Strategy for Membrane Protein Studies. Chemistry - A European Journal, 2022, 28, .	1.7	5
22	Elucidation of Distinct Modular Assemblies of Smoothened Receptor by Bitopic Ligand Measurement. Journal of Medicinal Chemistry, 2021, 64, 13830-13840.	2.9	3
23	Ugi Reaction Mediated Detergent Assembly for Membrane Protein Studies. Chemistry - an Asian Journal, 2022, 17, .	1.7	3
24	Structureâ€Activity Relationship Studies of Hydantoinâ€Cored Ligands for Smoothened Receptor. ChemistryOpen, 2021, 10, 1028-1032.	0.9	0