Dehua Yang

List of Publications by Year
in descending order

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54	3,781	172457	155660
papers	citations	29 h-index	55 g-index

71	71	71	3968
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Modulating effects of RAMPs on signaling profiles of the glucagon receptor family. Acta Pharmaceutica Sinica B, 2022, 12, 637-650.	12.0	13
2	Structural perspective of class B1 GPCR signaling. Trends in Pharmacological Sciences, 2022, 43, 321-334.	8.7	35
3	Structural insights into multiplexed pharmacological actions of tirzepatide and peptide 20 at the GIP, GLP-1 or glucagon receptors. Nature Communications, 2022, 13, 1057.	12.8	46
4	Abnormal global alternative RNA splicing in COVID-19 patients. PLoS Genetics, 2022, 18, e1010137.	3.5	21
5	A distinctive ligand recognition mechanism by the human vasoactive intestinal polypeptide receptor 2. Nature Communications, 2022, 13, 2272.	12.8	12
6	Structural basis of peptidomimetic agonism revealed by small-molecule GLP-1R agonists Boc5 and WB4-24. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200155119.	7.1	9
7	Structural insights into ligand recognition and selectivity of somatostatin receptors. Cell Research, 2022, 32, 761-772.	12.0	16
8	Molecular basis of ligand recognition and activation of human V2 vasopressin receptor. Cell Research, 2021, 31, 929-931.	12.0	38
9	Affinity Mass Spectrometry-Based Fragment Screening Identified a New Negative Allosteric Modulator of the Adenosine A_{2A} Receptor Targeting the Sodium Ion Pocket. ACS Chemical Biology, 2021, 16, 991-1002.	3.4	15
10	Molecular insights into ago-allosteric modulation of the human glucagon-like peptide-1 receptor. Nature Communications, 2021, 12, 3763.	12.8	41
11	Structures of Gi-bound metabotropic glutamate receptors mGlu2 and mGlu4. Nature, 2021, 594, 583-588.	27.8	73
12	Discovery of Novel Allosteric Modulators Targeting an Extra-Helical Binding Site of GLP-1R Using Structure- and Ligand-Based Virtual Screening. Biomolecules, 2021, 11, 929.	4.0	7
13	Structural insights into hormone recognition by the human glucose-dependent insulinotropic polypeptide receptor. ELife, 2021, 10, .	6.0	30
14	BCL9 regulates CD226 and CD96 checkpoints in CD8+ T cells to improve PD-1 response in cancer. Signal Transduction and Targeted Therapy, 2021, 6, 313.	17.1	16
15	Structural mechanism of calcium-mediated hormone recognition and Gî² interaction by the human melanocortin-1 receptor. Cell Research, 2021, 31, 1061-1071.	12.0	36
16	Molecular insights into differentiated ligand recognition of the human parathyroid hormone receptor 2. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	17
17	Structural insights into ligand recognition and activation of the melanocortin-4 receptor. Cell Research, 2021, 31, 1163-1175.	12.0	26
18	Structures of the human cholecystokinin receptors bound to agonists and antagonists. Nature Chemical Biology, 2021, 17, 1230-1237.	8.0	27

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19	Molecular basis for kinin selectivity and activation of the human bradykinin receptors. Nature Structural and Molecular Biology, 2021, 28, 755-761.	8.2	36
20	Allosteric Modulators Enhancing GLP-1 Binding to GLP-1R via a Transmembrane Site. ACS Chemical Biology, 2021, 16, 2444-2452.	3.4	7
21	Ligand recognition and G-protein coupling selectivity of cholecystokinin A receptor. Nature Chemical Biology, 2021, 17, 1238-1244.	8.0	54
22	Constitutive signal bias mediated by the human GHRHR splice variant 1. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	13
23	Insights into agonist-elicited activation of the human glucose-dependent insulinotropic polypeptide receptor. Biochemical Pharmacology, 2021, 192, 114715.	4.4	5
24	G protein-coupled receptors: structure- and function-based drug discovery. Signal Transduction and Targeted Therapy, 2021, 6, 7.	17.1	241
25	Cryo-EM structures of PI3KÎ± reveal conformational changes during inhibition and activation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	17
26	Advancing COVID-19 diagnosis with privacy-preserving collaboration in artificial intelligence. Nature Machine Intelligence, 2021, 3, 1081-1089.	16.0	30
27	Transcriptional and proteomic insights into the host response in fatal COVID-19 cases. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28336-28343.	7.1	149
28	Structural basis for activation of the growth hormone-releasing hormone receptor. Nature Communications, 2020, 11, 5205.	12.8	57
29	Evaluation of biased agonism mediated by dual agonists of the GLP-1 and glucagon receptors. Biochemical Pharmacology, 2020, 180, 114150.	4.4	23
30	A unique hormonal recognition feature of the human glucagon-like peptide-2 receptor. Cell Research, 2020, 30, 1098-1108.	12.0	52
31	Cryo-electron microscopy structure of the glucagon receptor with a dual-agonist peptide. Journal of Biological Chemistry, 2020, 295, 9313-9325.	3.4	31
32	Structural basis of G _s and G _i recognition by the human glucagon receptor. Science, 2020, 367, 1346-1352.	12.6	117
33	Pharmacological characterization of mono-, dual- and tri-peptidic agonists at GIP and GLP-1 receptors. Biochemical Pharmacology, 2020, 177, 114001.	4.4	37
34	Characterization of a naturally occurring mutation V368M in the human glucagon receptor and its association with metabolic disorders. Biochemical Journal, 2020, 477, 2581-2594.	3.7	6
35	Structure and dynamics of the active human parathyroid hormone receptor-1. Science, 2019, 364, 148-153.	12.6	185
36	DeepCPI: A Deep Learning-based Framework for Large-scale in silico Drug Screening. Genomics, Proteomics and Bioinformatics, 2019, 17, 478-495.	6.9	53

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37	Selective activation of TWIK-related acid-sensitive K ⁺ 3 subunitâ€“containing channels is analgesic in rodent models. Science Translational Medicine, 2019, 11, .	12.4	64
38	Common activation mechanism of class A GPCRs. ELife, 2019, 8, .	6.0	339
39	Structure of the glucagon receptor in complex with a glucagon analogue. Nature, 2018, 553, 106-110.	27.8	109
40	Two distinct domains of the glucagon-like peptide-1 receptor control peptide-mediated biased agonism. Journal of Biological Chemistry, 2018, 293, 9370-9387.	3.4	43
41	Chemical Diversity in the G Protein-Coupled Receptor Superfamily. Trends in Pharmacological Sciences, 2018, 39, 494-512.	8.7	67
42	Structure of the full-length glucagon class B G-protein-coupled receptor. Nature, 2017, 546, 259-264.	27.8	179
43	Human GLP-1 receptor transmembrane domain structure in complex with allosteric modulators. Nature, 2017, 546, 312-315.	27.8	192
44	Rearrangement of a polar core provides a conserved mechanism for constitutive activation of class B G protein-coupled receptors. Journal of Biological Chemistry, 2017, 292, 9865-9881.	3.4	24
45	Differential Requirement of the Extracellular Domain in Activation of Class B G Protein-coupled Receptors. Journal of Biological Chemistry, 2016, 291, 15119-15130.	3.4	61
46	Glucagon-Like Peptide-1 and Its Class B G Proteinâ€“Coupled Receptors: A Long March to Therapeutic Successes. Pharmacological Reviews, 2016, 68, 954-1013.	16.0	252
47	Structural Determinants of Binding the Seven-transmembrane Domain of the Glucagon-like Peptide-1 Receptor (GLP-1R). Journal of Biological Chemistry, 2016, 291, 12991-13004.	3.4	48
48	miR-29 regulates Tet1 expression and contributes to early differentiation of mouse ESCs. Oncotarget, 2016, 7, 64932-64941.	1.8	30
49	The Radical Scavenger Edaravone Improves Neurologic Function and Perihematomal Glucose Metabolism after Acute Intracerebral Hemorrhage. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 215-222.	1.6	24
50	Conformational states of the full-length glucagon receptor. Nature Communications, 2015, 6, 7859.	12.8	110
51	Graphene oxide promotes the differentiation of mouse embryonic stem cells to dopamine neurons. Nanomedicine, 2014, 9, 2445-2455.	3.3	119
52	Structure of the human glucagon class B G-protein-coupled receptor. Nature, 2013, 499, 444-449.	27.8	352
53	miR-132 regulates the differentiation of dopamine neurons by directly targeting Nurr1 expression. Journal of Cell Science, 2012, 125, 1673-82.	2.0	132
54	Pitx3â€transfected astrocytes secrete brainâ€derived neurotrophic factor and glial cell lineâ€derived neurotrophic factor and protect dopamine neurons in mesencephalon cultures. Journal of Neuroscience Research, 2008, 86, 3393-3400.	2.9	34