

Dehua Yang

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,781
citations

172457

29
h-index

155660

55
g-index

71
all docs

71
docs citations

71
times ranked

3968
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of the human glucagon class B G-protein-coupled receptor. <i>Nature</i> , 2013, 499, 444-449.	27.8	352
2	Common activation mechanism of class A GPCRs. <i>ELife</i> , 2019, 8, .	6.0	339
3	Glucagon-Like Peptide-1 and Its Class B G Protein-coupled Receptors: A Long March to Therapeutic Successes. <i>Pharmacological Reviews</i> , 2016, 68, 954-1013.	16.0	252
4	G protein-coupled receptors: structure- and function-based drug discovery. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 7.	17.1	241
5	Human GLP-1 receptor transmembrane domain structure in complex with allosteric modulators. <i>Nature</i> , 2017, 546, 312-315.	27.8	192
6	Structure and dynamics of the active human parathyroid hormone receptor-1. <i>Science</i> , 2019, 364, 148-153.	12.6	185
7	Structure of the full-length glucagon class B G-protein-coupled receptor. <i>Nature</i> , 2017, 546, 259-264.	27.8	179
8	Transcriptional and proteomic insights into the host response in fatal COVID-19 cases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28336-28343.	7.1	149
9	miR-132 regulates the differentiation of dopamine neurons by directly targeting Nurr1 expression. <i>Journal of Cell Science</i> , 2012, 125, 1673-82.	2.0	132
10	Graphene oxide promotes the differentiation of mouse embryonic stem cells to dopamine neurons. <i>Nanomedicine</i> , 2014, 9, 2445-2455.	3.3	119
11	Structural basis of G _s and G _i recognition by the human glucagon receptor. <i>Science</i> , 2020, 367, 1346-1352.	12.6	117
12	Conformational states of the full-length glucagon receptor. <i>Nature Communications</i> , 2015, 6, 7859.	12.8	110
13	Structure of the glucagon receptor in complex with a glucagon analogue. <i>Nature</i> , 2018, 553, 106-110.	27.8	109
14	Structures of Gi-bound metabotropic glutamate receptors mGlu2 and mGlu4. <i>Nature</i> , 2021, 594, 583-588.	27.8	73
15	Chemical Diversity in the G Protein-Coupled Receptor Superfamily. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 494-512.	8.7	67
16	Selective activation of TWIK-related acid-sensitive K ⁺ 3 subunit-containing channels is analgesic in rodent models. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	64
17	Differential Requirement of the Extracellular Domain in Activation of Class B G Protein-coupled Receptors. <i>Journal of Biological Chemistry</i> , 2016, 291, 15119-15130.	3.4	61
18	Structural basis for activation of the growth hormone-releasing hormone receptor. <i>Nature Communications</i> , 2020, 11, 5205.	12.8	57

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19	Ligand recognition and G-protein coupling selectivity of cholecystokinin A receptor. <i>Nature Chemical Biology</i> , 2021, 17, 1238-1244.	8.0	54
20	DeepCPI: A Deep Learning-based Framework for Large-scale in silico Drug Screening. <i>Genomics, Proteomics and Bioinformatics</i> , 2019, 17, 478-495.	6.9	53
21	A unique hormonal recognition feature of the human glucagon-like peptide-2 receptor. <i>Cell Research</i> , 2020, 30, 1098-1108.	12.0	52
22	Structural Determinants of Binding the Seven-transmembrane Domain of the Glucagon-like Peptide-1 Receptor (GLP-1R). <i>Journal of Biological Chemistry</i> , 2016, 291, 12991-13004.	3.4	48
23	Structural insights into multiplexed pharmacological actions of tirzepatide and peptide 20 at the GIP, GLP-1 or glucagon receptors. <i>Nature Communications</i> , 2022, 13, 1057.	12.8	46
24	Two distinct domains of the glucagon-like peptide-1 receptor control peptide-mediated biased agonism. <i>Journal of Biological Chemistry</i> , 2018, 293, 9370-9387.	3.4	43
25	Molecular insights into ago-allosteric modulation of the human glucagon-like peptide-1 receptor. <i>Nature Communications</i> , 2021, 12, 3763.	12.8	41
26	Molecular basis of ligand recognition and activation of human V2 vasopressin receptor. <i>Cell Research</i> , 2021, 31, 929-931.	12.0	38
27	Pharmacological characterization of mono-, dual- and tri-peptidic agonists at GIP and GLP-1 receptors. <i>Biochemical Pharmacology</i> , 2020, 177, 114001.	4.4	37
28	Structural mechanism of calcium-mediated hormone recognition and G β 2 interaction by the human melanocortin-1 receptor. <i>Cell Research</i> , 2021, 31, 1061-1071.	12.0	36
29	Molecular basis for kinin selectivity and activation of the human bradykinin receptors. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 755-761.	8.2	36
30	Structural perspective of class B1 GPCR signaling. <i>Trends in Pharmacological Sciences</i> , 2022, 43, 321-334.	8.7	35
31	Pitx3-transfected astrocytes secrete brain-derived neurotrophic factor and glial cell line-derived neurotrophic factor and protect dopamine neurons in mesencephalon cultures. <i>Journal of Neuroscience Research</i> , 2008, 86, 3393-3400.	2.9	34
32	Cryo-electron microscopy structure of the glucagon receptor with a dual-agonist peptide. <i>Journal of Biological Chemistry</i> , 2020, 295, 9313-9325.	3.4	31
33	Structural insights into hormone recognition by the human glucose-dependent insulinotropic polypeptide receptor. <i>ELife</i> , 2021, 10, .	6.0	30
34	miR-29 regulates Tet1 expression and contributes to early differentiation of mouse ESCs. <i>Oncotarget</i> , 2016, 7, 64932-64941.	1.8	30
35	Advancing COVID-19 diagnosis with privacy-preserving collaboration in artificial intelligence. <i>Nature Machine Intelligence</i> , 2021, 3, 1081-1089.	16.0	30
36	Structures of the human cholecystokinin receptors bound to agonists and antagonists. <i>Nature Chemical Biology</i> , 2021, 17, 1230-1237.	8.0	27

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37	Structural insights into ligand recognition and activation of the melanocortin-4 receptor. <i>Cell Research</i> , 2021, 31, 1163-1175.	12.0	26
38	The Radical Scavenger Edaravone Improves Neurologic Function and Perihematomal Glucose Metabolism after Acute Intracerebral Hemorrhage. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, 215-222.	1.6	24
39	Rearrangement of a polar core provides a conserved mechanism for constitutive activation of class B G protein-coupled receptors. <i>Journal of Biological Chemistry</i> , 2017, 292, 9865-9881.	3.4	24
40	Evaluation of biased agonism mediated by dual agonists of the GLP-1 and glucagon receptors. <i>Biochemical Pharmacology</i> , 2020, 180, 114150.	4.4	23
41	Abnormal global alternative RNA splicing in COVID-19 patients. <i>PLoS Genetics</i> , 2022, 18, e1010137.	3.5	21
42	Molecular insights into differentiated ligand recognition of the human parathyroid hormone receptor 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
43	Cryo-EM structures of PI3K β reveal conformational changes during inhibition and activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
44	BCL9 regulates CD226 and CD96 checkpoints in CD8+ T cells to improve PD-1 response in cancer. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 313.	17.1	16
45	Structural insights into ligand recognition and selectivity of somatostatin receptors. <i>Cell Research</i> , 2022, 32, 761-772.	12.0	16
46	Affinity Mass Spectrometry-Based Fragment Screening Identified a New Negative Allosteric Modulator of the Adenosine A _{2A} Receptor Targeting the Sodium Ion Pocket. <i>ACS Chemical Biology</i> , 2021, 16, 991-1002.	3.4	15
47	Modulating effects of RAMPs on signaling profiles of the glucagon receptor family. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 637-650.	12.0	13
48	Constitutive signal bias mediated by the human GHRHR splice variant 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	13
49	A distinctive ligand recognition mechanism by the human vasoactive intestinal polypeptide receptor 2. <i>Nature Communications</i> , 2022, 13, 2272.	12.8	12
50	Structural basis of peptidomimetic agonism revealed by small-molecule GLP-1R agonists Boc5 and WB4-24. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2200155119.	7.1	9
51	Discovery of Novel Allosteric Modulators Targeting an Extra-Helical Binding Site of GLP-1R Using Structure- and Ligand-Based Virtual Screening. <i>Biomolecules</i> , 2021, 11, 929.	4.0	7
52	Allosteric Modulators Enhancing GLP-1 Binding to GLP-1R via a Transmembrane Site. <i>ACS Chemical Biology</i> , 2021, 16, 2444-2452.	3.4	7
53	Characterization of a naturally occurring mutation V368M in the human glucagon receptor and its association with metabolic disorders. <i>Biochemical Journal</i> , 2020, 477, 2581-2594.	3.7	6
54	Insights into agonist-elicited activation of the human glucose-dependent insulinotropic polypeptide receptor. <i>Biochemical Pharmacology</i> , 2021, 192, 114715.	4.4	5