

Christian LeGouill

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28
papers

778
citations

15
h-index

27
g-index

32
ext. papers

1,032
ext. citations

7.1
avg. IF

3.48
L-index

#	Paper	IF	Citations
28	Structural Elements Directing G Proteins and Arrestin Interactions with the Human Melatonin Type 2 Receptor Revealed by Natural Variants. <i>ACS Pharmacology and Translational Science</i> , 2022 , 5, 89-101	5.9	1
27	Effector membrane translocation biosensors reveal G protein and arrestin coupling profiles of 100 therapeutically relevant GPCRs.. <i>ELife</i> , 2022 , 11,	8.9	10
26	Development of conformational BRET biosensors that monitor ezrin, radixin and moesin activation in real time. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	2
25	BRET-based effector membrane translocation assay monitors GPCR-promoted and endocytosis-mediated G activation at early endosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
24	Comprehensive Signaling Profiles Reveal Unsuspected Functional Selectivity of μ Opioid Receptor Agonists and Allow the Identification of Ligands with the Greatest Potential for Inducing Cyclase Superactivation. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 1483-1498	5.9	1
23	Identification of Key Regions Mediating Human Melatonin Type 1 Receptor Functional Selectivity Revealed by Natural Variants. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 1614-1627	5.9	2
22	Ackr3-Venus knock-in mouse lights up brain vasculature. <i>Molecular Brain</i> , 2021 , 14, 151	4.5	0
21	The PAR2 inhibitor I-287 selectively targets G_{12} and G_{13} signaling and has anti-inflammatory effects. <i>Communications Biology</i> , 2020 , 3, 719	6.7	10
20	Signal profiling of the μ AR reveals coupling to novel signalling pathways and distinct phenotypic responses mediated by μ AR and δ AR. <i>Scientific Reports</i> , 2020 , 10, 8779	4.9	10
19	Exploring use of unsupervised clustering to associate signaling profiles of GPCR ligands to clinical response. <i>Nature Communications</i> , 2019 , 10, 4075	17.4	20
18	Chemogenetics defines receptor-mediated functions of short chain free fatty acids. <i>Nature Chemical Biology</i> , 2019 , 15, 489-498	11.7	29
17	Biased Signaling of the Mu Opioid Receptor Revealed in Native Neurons. <i>iScience</i> , 2019 , 14, 47-57	6.1	46
16	Type 2 diabetes-associated variants of the MT melatonin receptor affect distinct modes of signaling. <i>Science Signaling</i> , 2018 , 11,	8.8	33
15	Identification of key regions mediating human melatonin type 1 receptor biased signaling revealed by natural variants. <i>FASEB Journal</i> , 2018 , 32, 555.10	0.9	
14	Mapping GPR88-Venus illuminates a novel role for GPR88 in sensory processing. <i>Brain Structure and Function</i> , 2018 , 223, 1275-1296	4	15
13	FZD is a G_{12} -coupled receptor that exhibits the functional hallmarks of prototypical GPCRs. <i>Science Signaling</i> , 2018 , 11,	8.8	29
12	Functional selectivity profiling of the angiotensin II type 1 receptor using pathway-wide BRET signaling sensors. <i>Science Signaling</i> , 2018 , 11,	8.8	59

11	Purinergic Receptor Transactivation by the α -Adrenergic Receptor Increases Intracellular Ca in Nonexcitable Cells. <i>Molecular Pharmacology</i> , 2017 , 91, 533-544	4.3	32
10	Evolutionary action and structural basis of the allosteric switch controlling β AR functional selectivity. <i>Nature Communications</i> , 2017 , 8, 2169	17.4	38
9	Quantifying biased signaling in GPCRs using BRET-based biosensors. <i>Methods</i> , 2016 , 92, 5-10	4.6	22
8	Mapping physiological G protein-coupled receptor signaling pathways reveals a role for receptor phosphorylation in airway contraction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4524-9	11.5	35
7	Monitoring G protein-coupled receptor and β arrestin trafficking in live cells using enhanced bystander BRET. <i>Nature Communications</i> , 2016 , 7, 12178	17.4	140
6	Cellular and subcellular context determine outputs from signaling biosensors. <i>Methods in Cell Biology</i> , 2016 , 132, 319-37	1.8	7
5	Pharmacological chaperones restore function to MC4R mutants responsible for severe early-onset obesity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 335, 520-32	4.7	61
4	A novel biased allosteric compound inhibitor of parturition selectively impedes the prostaglandin F2 α -mediated Rho/ROCK signaling pathway. <i>Journal of Biological Chemistry</i> , 2010 , 285, 25624-36	5.4	74
3	Functional selectivity of natural and synthetic prostaglandin EP4 receptor ligands. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 331, 297-307	4.7	84
2	Selectivity Landscape of 100 Therapeutically Relevant GPCR Profiled by an Effector Translocation-Based BRET Platform		14
1	Vasopressin V2 is a promiscuous G protein-coupled receptor that is biased by its peptide ligands		1