

Sai P Pydi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	β^2 -Arrestins as Important Regulators of Glucose and Energy Homeostasis. Annual Review of Physiology, 2022, 84, 17-40.	13.1	14
2	Step PLT16 β AST44 method: Simplified liver fibrosis detection system in patients with non β alcoholic fatty liver disease. Hepatology Research, 2022, 52, 352-363.	3.4	8
3	Adipocyte Gq signaling is a regulator of glucose and lipid homeostasis in mice. Nature Communications, 2022, 13, 1652.	12.8	13
4	β^2 -Arrestins as regulators of key metabolic processes. , 2022, , 69-85.		0
5	Expression and Role of β^2 -Adrenergic Receptor during the Differentiation of 3T3-L1 Preadipocytes into Adipocytes. Biology, 2022, 11, 772.	2.8	3
6	Use of DREADD Technology to Identify Novel Targets for Antidiabetic Drugs. Annual Review of Pharmacology and Toxicology, 2021, 61, 421-440.	9.4	26
7	Serum thrombospondin 2 is a novel predictor for the severity in the patients with NAFLD. Liver International, 2021, 41, 505-514.	3.9	25
8	Key Metabolic Functions of β^2 -Arrestins: Studies with Novel Mouse Models. Trends in Endocrinology and Metabolism, 2021, 32, 118-129.	7.1	7
9	Chemogenetic approaches to identify metabolically important GPCR signaling pathways: Therapeutic implications. Journal of Neurochemistry, 2021, 158, 603-620.	3.9	8
10	Metabolic roles of G protein β -coupled receptor signaling in obesity and type 2 diabetes. FEBS Journal, 2021, 288, 2622-2644.	4.7	25
11	Adipocyte P2Y14 receptors play a key role in regulating whole-body glucose and lipid homeostasis. JCI Insight, 2021, 6, .	5.0	15
12	32-OR: Receptor-Mediated Gq Signaling in Adipocytes as a Critical Modulator of Systemic Glucose and Lipid Homeostasis. Diabetes, 2021, 70, 32-OR.	0.6	0
13	β^2 -Arrestin-1 is required for adaptive β^2 -cell mass expansion during obesity. Nature Communications, 2021, 12, 3385.	12.8	13
14	Metabolic Functions of G Protein-Coupled Receptors in Hepatocytes β ”Potential Applications for Diabetes and NAFLD. Biomolecules, 2020, 10, 1445.	4.0	23
15	Adipocyte Gi signaling is essential for maintaining whole-body glucose homeostasis and insulin sensitivity. Nature Communications, 2020, 11, 2995.	12.8	27
16	Beneficial metabolic role of β^2 -arrestin-1 expressed by AgRP neurons. Science Advances, 2020, 6, eaaz1341.	10.3	17
17	β^2 -arrestin-1 suppresses myogenic reprogramming of brown fat to maintain euglycemia. Science Advances, 2020, 6, eaba1733.	10.3	15
18	Lack of adipocyte purinergic P2Y ₆ receptor greatly improves whole body glucose homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30763-30774.	7.1	34

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19	1971-P: Activation of Adipocyte Gq Signaling Causes Improved Whole-Body Glucose Homeostasis. <i>Diabetes</i> , 2020, 69, 1971-P.	0.6	0
20	2129-P: Glucagon Secretion from Pancreatic Islets Is Regulated by Beta-Arrestin-1. <i>Diabetes</i> , 2020, 69, .	0.6	0
21	1694-P: Beta-Arrestin 1 Suppresses Myogenic Reprogramming of Brown Fat to Maintain Euglycemia. <i>Diabetes</i> , 2020, 69, 1694-P.	0.6	0
22	Adipocyte β -arrestin-2 is essential for maintaining whole body glucose and energy homeostasis. <i>Nature Communications</i> , 2019, 10, 2936.	12.8	43
23	Selective activation of Gs signaling in adipocytes causes striking metabolic improvements in mice. <i>Molecular Metabolism</i> , 2019, 27, 83-91.	6.5	25
24	1797-P: β -arrestin-1 in AgRP Neurons Plays Crucial Role in Maintaining Whole Body Glucose Homeostasis. <i>Diabetes</i> , 2019, 68, 1797-P.	0.6	0
25	38-OR: Beta-Arrestin-1 Regulates Pancreatic Beta-Cell Function and Plays a Key Role in Maintaining Whole Body Glucose Homeostasis. <i>Diabetes</i> , 2019, 68, 38-OR.	0.6	0
26	1781-P: Adipocyte Gi Signaling Regulates Whole-Body Glucose Homeostasis and Insulin Sensitivity. <i>Diabetes</i> , 2019, 68, 1781-P.	0.6	0
27	Hepatic Gi signaling regulates whole-body glucose homeostasis. <i>Journal of Clinical Investigation</i> , 2018, 128, 746-759.	8.2	34
28	Adipocyte-Selective Deletion of β -Arrestin-1 in Mice Causes Adiposity, Impaired Glucose Tolerance, and Reduced Insulin Sensitivity. <i>Diabetes</i> , 2018, 67, .	0.6	0
29	Characterization of the Direct Interaction between Hybrid Sensor Kinases PA1611 and RetS That Controls Biofilm Formation and the Type III Secretion System in <i>Pseudomonas aeruginosa</i> . <i>ACS Infectious Diseases</i> , 2017, 3, 162-175.	3.8	35
30	Cholesterol modulates bitter taste receptor function. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 2081-2087.	2.6	22
31	Abscisic Acid Acts as a Blocker of the Bitter Taste G Protein-Coupled Receptor T2R4. <i>Biochemistry</i> , 2015, 54, 2622-2631.	2.5	49
32	Dextromethorphan Mediated Bitter Taste Receptor Activation in the Pulmonary Circuit Causes Vasoconstriction. <i>PLoS ONE</i> , 2014, 9, e110373.	2.5	33
33	Amino Acid Derivatives as Bitter Taste Receptor (T2R) Blockers. <i>Journal of Biological Chemistry</i> , 2014, 289, 25054-25066.	3.4	78
34	Identification of a high affinity selective inhibitor of Polo-like kinase 1 for cancer chemotherapy by computational approach. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 51, 104-112.	2.4	4
35	Constitutive Activity of Bitter Taste Receptors (T2Rs). <i>Advances in Pharmacology</i> , 2014, 70, 303-326.	2.0	22
36	The third intracellular loop plays a critical role in bitter taste receptor activation. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 231-236.	2.6	34

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37	Role of rhodopsin N-terminus in structure and function of rhodopsin-bitter taste receptor chimeras. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 179-182.	2.1	9
38	New Insights into Structural Determinants for Prostanoid Thromboxane A2 Receptor- and Prostacyclin Receptor-G Protein Coupling. <i>Molecular and Cellular Biology</i> , 2013, 33, 184-193.	2.3	23
39	STRUCTURE â€¦FUNCTION ANALYSIS OF THE LIGAND BINDING POCKET OF BITTER TASTE RECEPTOR T2R4. <i>FASEB Journal</i> , 2013, 27, 883.6.	0.5	0
40	Recent Advances in Structure and Function Studies on Human Bitter Taste Receptors. <i>Current Protein and Peptide Science</i> , 2012, 13, 501-508.	1.4	26
41	Constitutively active mutant gives novel insights into the mechanism of bitter taste receptor activation. <i>Journal of Neurochemistry</i> , 2012, 122, 537-544.	3.9	36
42	Site-Directed Mutations and the Polymorphic Variant Ala160Thr in the Human Thromboxane Receptor Uncover a Structural Role for Transmembrane Helix 4. <i>PLoS ONE</i> , 2012, 7, e29996.	2.5	16
43	Structural Basis of Activation of Bitter Taste Receptor T2R1 and Comparison with Class A G-protein-coupled Receptors (GPCRs). <i>Journal of Biological Chemistry</i> , 2011, 286, 36032-36041.	3.4	74
44	Serine Phosphorylation: An Important Post-translational Modification For Functional Regulation Of Smooth Muscle Thromboxane Receptor. , 2010, , .		0
45	Bitter taste receptor T2R1 is activated by dipeptides and tripeptides. <i>Biochemical and Biophysical Research Communications</i> , 2010, 398, 331-335.	2.1	67