

# Masaaki Sato

## List of Publications by Year in descending order

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21  
papers

797  
citations

623734

14  
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839539

18  
g-index

21  
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21  
docs citations

21  
times ranked

1266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand-directed signalling at $\beta$ -adrenoceptors. <i>British Journal of Pharmacology</i> , 2010, 159, 1022-1038.	5.4	141
2	Glucose uptake in brown fat cells is dependent on mTOR complex 2-promoted GLUT1 translocation. <i>Journal of Cell Biology</i> , 2014, 207, 365-374.	5.2	138
3	Improving Type 2 Diabetes Through a Distinct Adrenergic Signaling Pathway Involving mTORC2 That Mediates Glucose Uptake in Skeletal Muscle. <i>Diabetes</i> , 2014, 63, 4115-4129.	0.6	101
4	Ligand-Directed Signaling at the $\beta$ -Adrenoceptor Produced by 3-(2-Ethylphenoxy)-1-[(1 <i>S</i> )-1,2,3,4-tetrahydronaph-1-ylamino]-2-propanol oxalate (SR59230A) Relative to Receptor Agonists. <i>Molecular Pharmacology</i> , 2007, 72, 1359-1368.	2.3	80
5	4-[[[(Hexylamino)carbonyl]amino]-N-[4-[2-[[[(2 <i>S</i> )-2-hydroxy-3-(4-hydroxyphenoxy)propyl]amino]ethyl]-phenyl]-benzenesulfonamide (L755507) and Antagonist (S)-N-[4-[2-[[[3-(Acetamidomethyl)phenoxy]-2-hydroxypropyl]amino]-ethyl]phenyl]benzenesulfonamide (L748337) Activate Different Signaling Pathways in Chinese Hamster Ovary-K1 Cells Stably Expressing the Human $\beta$ -Adrenoceptor. <i>Molecular Pharmacology</i> , 2008, 74, 1417-1428.	2.3	47
6	Could burning fat start with a brite spark? Pharmacological and nutritional ways to promote thermogenesis. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 18-42.	3.3	39
7	The PPAR $\beta$ agonist rosiglitazone promotes the induction of brite adipocytes, increasing $\beta$ -adrenoceptor-mediated mitochondrial function and glucose uptake. <i>Cellular Signalling</i> , 2018, 42, 54-66.	3.6	38
8	Adrenoceptors promote glucose uptake into adipocytes and muscle by an insulin-independent signaling pathway involving mechanistic target of rapamycin complex 2. <i>Pharmacological Research</i> , 2017, 116, 87-92.	7.1	30
9	Functional Domains of the Mouse $\beta$ -Adrenoceptor Associated with Differential G Protein Coupling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 1354-1361.	2.5	25
10	$\beta$ -Adrenoceptors increase translocation of GLUT4 via GPCR kinase sites in the receptor C-terminal tail. <i>British Journal of Pharmacology</i> , 2012, 165, 1442-1456.	5.4	25
11	Rosiglitazone and a $\beta$ -Adrenoceptor Agonist Are Both Required for Functional Browning of White Adipocytes in Culture. <i>Frontiers in Endocrinology</i> , 2018, 9, 249.	3.5	25
12	Factors influencing biased agonism in recombinant cells expressing the human $\beta$ -adrenoceptor. <i>British Journal of Pharmacology</i> , 2017, 174, 2318-2333.	5.4	24
13	Interaction with Caveolin-1 Modulates G Protein Coupling of Mouse $\beta$ -Adrenoceptor. <i>Journal of Biological Chemistry</i> , 2012, 287, 20674-20688.	3.4	23
14	$\beta$ 1A -Adrenoceptors activate mTOR signalling and glucose uptake in cardiomyocytes. <i>Biochemical Pharmacology</i> , 2018, 148, 27-40.	4.4	20
15	BRL37344 stimulates GLUT4 translocation and glucose uptake in skeletal muscle via $\beta$ -adrenoceptors without causing classical receptor desensitization. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2019, 316, R666-R677.	1.8	16
16	Adrenoceptor regulation of the mechanistic target of rapamycin in muscle and adipose tissue. <i>British Journal of Pharmacology</i> , 2019, 176, 2433-2448.	5.4	9
17	The metabolic effects of mirabegron are mediated primarily by $\beta$ 3 -adrenoceptors. <i>Pharmacology Research and Perspectives</i> , 2020, 8, e00643.	2.4	9
18	Response to Comment on Sato et al. Improving Type 2 Diabetes Through a Distinct Adrenergic Signaling Pathway Involving mTORC2 That Mediates Glucose Uptake in Skeletal Muscle. <i>Diabetes</i> 2014;63:4115-4129. <i>Diabetes</i> , 2014, 63, e22-e23.	0.6	7

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19	GPR55 regulates the responsiveness to, but does not dimerise with, $\hat{\pm}1A$ -adrenoceptors. Biochemical Pharmacology, 2021, 188, 114560.	4.4	0
20	$\hat{\pm}1A$ -adrenoceptor stimulation promotes glucose uptake and cell survival in cardiomyocytes - role of mTOR. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-2-28.	0.0	0
21	Metabolic effects of mirabegron in mice: implications for use in diabetes. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-5-25.	0.0	0