

# Takaya Satoh

## List of Publications by Year in descending order

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22  
papers

1,261  
citations

623734

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677142

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docs citations

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times ranked

1007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atrophy of White Adipose Tissue Accompanied with Decreased Insulin-Stimulated Glucose Uptake in Mice Lacking the Small GTPase Rac1 Specifically in Adipocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10753.	4.1	2
2	The guanine nucleotide exchange factor FLJ00068 activates Rac1 in adipocyte insulin signaling. <i>FEBS Letters</i> , 2020, 594, 4370-4380.	2.8	7
3	Diverse Physiological Functions and Regulatory Mechanisms for Signal-Transducing Small GTPases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7291.	4.1	2
4	A Crucial Role for the Small GTPase Rac1 Downstream of the Protein Kinase Akt2 in Insulin Signaling that Regulates Glucose Uptake in Mouse Adipocytes. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5443.	4.1	16
5	A critical role for the small GTPase Rac1 in insulin signaling that regulates glucose uptake in skeletal muscle. <i>Research on Chemical Intermediates</i> , 2019, 45, 5389-5397.	2.7	2
6	Involvement of the protein kinase Akt2 in insulin-stimulated Rac1 activation leading to glucose uptake in mouse skeletal muscle. <i>PLoS ONE</i> , 2019, 14, e0212219.	2.5	14
7	In situ detection of the activation of Rac1 and RalA small GTPases in mouse adipocytes by immunofluorescent microscopy following in vivo and ex vivo insulin stimulation. <i>Cellular Signalling</i> , 2017, 39, 108-117.	3.6	11
8	Rac1 Activation Caused by Membrane Translocation of a Guanine Nucleotide Exchange Factor in Akt2-Mediated Insulin Signaling in Mouse Skeletal Muscle. <i>PLoS ONE</i> , 2016, 11, e0155292.	2.5	21
9	Role for RalA downstream of Rac1 in skeletal muscle insulin signalling. <i>Biochemical Journal</i> , 2015, 469, 445-454.	3.7	22
10	Immunofluorescent detection of the activation of the small GTPase Rac1 in mouse skeletal muscle fibers. <i>Analytical Biochemistry</i> , 2015, 476, 5-7.	2.4	11
11	Rho GTPases in insulin-stimulated glucose uptake. <i>Small GTPases</i> , 2014, 5, e28102.	1.6	21
12	Molecular Mechanisms for the Regulation of Insulin-Stimulated Glucose Uptake by Small Guanosine Triphosphatases in Skeletal Muscle and Adipocytes. <i>International Journal of Molecular Sciences</i> , 2014, 15, 18677-18692.	4.1	83
13	A critical role of the small GTPase Rac1 in Akt2-mediated GLUT4 translocation in mouse skeletal muscle. <i>FEBS Journal</i> , 2014, 281, 1493-1504.	4.7	26
14	Role of the guanine nucleotide exchange factor in Akt2-mediated plasma membrane translocation of GLUT4 in insulin-stimulated skeletal muscle. <i>Cellular Signalling</i> , 2014, 26, 2460-2469.	3.6	23
15	Akt2 regulates Rac1 activity in the insulin-dependent signaling pathway leading to GLUT4 translocation to the plasma membrane in skeletal muscle cells. <i>Cellular Signalling</i> , 2013, 25, 1361-1371.	3.6	37
16	Role of RalA downstream of Rac1 in insulin-dependent glucose uptake in muscle cells. <i>Cellular Signalling</i> , 2012, 24, 2111-2117.	3.6	43
17	Crucial role of the small GTPase Rac1 in insulin-stimulated translocation of glucose transporter 4 to the mouse skeletal muscle sarcolemma. <i>FASEB Journal</i> , 2010, 24, 2254-2261.	0.5	103
18	Impaired vascular development in the yolk sac and allantois in mice lacking RA-GEF-1. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 754-759.	2.1	12

#	ARTICLE	IF	CITATIONS
19	Activation of the small GTPase Rac1 by a specific guanine nucleotide exchange factor suffices to induce glucose uptake into skeletal muscle cells. <i>Biology of the Cell</i> , 2008, 100, 645-661.	2.0	70
20	Role of the Guanine Nucleotide Exchange Factor Ost in Negative Regulation of Receptor Endocytosis by the Small GTPase Rac1. <i>Journal of Biological Chemistry</i> , 2007, 282, 23296-23305.	3.4	23
21	Role of the Sec14-like domain of Dbl family exchange factors in the regulation of Rho family GTPases in different subcellular sites. <i>Cellular Signalling</i> , 2004, 16, 899-906.	3.6	53
22	Structure and Function of Signal-Transducing GTP-Binding Proteins. <i>Annual Review of Biochemistry</i> , 1991, 60, 349-400.	11.1	659