

# Naoaki Saito

## List of Publications by Citations

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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.

59  
papers

1,781  
citations

22  
h-index

41  
g-index

60  
ext. papers

2,001  
ext. citations

5.3  
avg, IF

4.08  
L-index

#	Paper	IF	Citations
59	Direct visualization of the translocation of the gamma-subspecies of protein kinase C in living cells using fusion proteins with green fluorescent protein. <i>Journal of Cell Biology</i> , <b>1997</b> , 139, 1465-76	7.3	213
58	Protein kinase C gamma (PKC gamma): function of neuron specific isotype. <i>Journal of Biochemistry</i> , <b>2002</b> , 132, 683-7	3.1	147
57	Differential requirement for classic and novel PKC isoforms in respiratory burst and phagocytosis in RAW 264.7 cells. <i>Journal of Immunology</i> , <b>2000</b> , 165, 2809-17	5.3	143
56	Protein kinase C-induced phosphorylation of Orai1 regulates the intracellular Ca <sup>2+</sup> level via the store-operated Ca <sup>2+</sup> channel. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 25720-30	5.4	91
55	Electron microscopic localization of gamma- and beta II-subspecies of protein kinase C in rat hippocampus. <i>Brain Research</i> , <b>1990</b> , 518, 209-17	3.7	87
54	Enzymological analysis of mutant protein kinase Cgamma causing spinocerebellar ataxia type 14 and dysfunction in Ca <sup>2+</sup> homeostasis. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 19854-63	5.4	83
53	A role for PKC-epsilon in Fc gammaR-mediated phagocytosis by RAW 264.7 cells. <i>Journal of Cell Biology</i> , <b>2002</b> , 159, 939-44	7.3	77
52	Subtype-specific translocation of diacylglycerol kinase alpha and gamma and its correlation with protein kinase C. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 24760-6	5.4	72
51	A regulated adaptor function of p40phox: distinct p67phox membrane targeting by p40phox and by p47phox. <i>Molecular Biology of the Cell</i> , <b>2007</b> , 18, 441-54	3.5	71
50	Mutant protein kinase Cgamma found in spinocerebellar ataxia type 14 is susceptible to aggregation and causes cell death. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 29096-106	5.4	60
49	Superoxide production at phagosomal cup/phagosome through beta I protein kinase C during Fc gamma R-mediated phagocytosis in microglia. <i>Journal of Immunology</i> , <b>2004</b> , 173, 4582-9	5.3	51
48	Modulation of serotonin transporter activity by a protein kinase C activator and an inhibitor of type 1 and 2A serine/threonine phosphatases. <i>Journal of Neurochemistry</i> , <b>1997</b> , 68, 2618-24	6	49
47	Mutant gammaPKC found in spinocerebellar ataxia type 14 induces aggregate-independent maldevelopment of dendrites in primary cultured Purkinje cells. <i>Neurobiology of Disease</i> , <b>2009</b> , 33, 260-73 <sup>5</sup>	7.5	48
46	Targeting of protein kinase C-epsilon during Fc gamma receptor-dependent phagocytosis requires the epsilonC1B domain and phospholipase C-gamma1. <i>Molecular Biology of the Cell</i> , <b>2006</b> , 17, 799-813	3.5	45
45	Maintenance of stereocilia and apical junctional complexes by Cdc42 in cochlear hair cells. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 2040-52	5.3	39
44	Constitutive activation of DIA1 (DIAPH1) via C-terminal truncation causes human sensorineural hearing loss. <i>EMBO Molecular Medicine</i> , <b>2016</b> , 8, 1310-1324	12	38
43	Immunocytochemical localization of a neuron-specific diacylglycerol kinase beta and gamma in the developing rat brain. <i>Molecular Brain Research</i> , <b>2005</b> , 139, 288-99		36

42	Phosphorylation and up-regulation of diacylglycerol kinase gamma via its interaction with protein kinase C gamma. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 31627-37	5-4	34
41	Isoform-specific phosphorylation of metabotropic glutamate receptor 5 by protein kinase C (PKC) blocks Ca <sup>2+</sup> oscillation and oscillatory translocation of Ca <sup>2+</sup> -dependent PKC. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 2254-61	5-4	33
40	The extracellular A-loop of dual oxidases affects the specificity of reactive oxygen species release. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 6495-506	5-4	30
39	Diacylglycerol kinase as a possible therapeutic target for neuronal diseases. <i>Journal of Biomedical Science</i> , <b>2014</b> , 21, 28	13-3	29
38	Effect of trehalose on the properties of mutant {gamma}PKC, which causes spinocerebellar ataxia type 14, in neuronal cell lines and cultured Purkinje cells. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 33252-33264	5-4	27
37	A Novel Rac1-GSPT1 Signaling Pathway Controls Astrogliosis Following Central Nervous System Injury. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 1240-1250	5-4	21
36	Xeroderma pigmentosum group C protein interacts with histones: regulation by acetylated states of histone H3. <i>Genes To Cells</i> , <b>2017</b> , 22, 310-327	2-3	19
35	Generation of a constitutively active fragment of PKN in microglia/macrophages after middle cerebral artery occlusion in rats. <i>Journal of Neurochemistry</i> , <b>2001</b> , 79, 903-13	6	19
34	Diacylglycerol Kinase alpha is Involved in the Vitamin E-Induced Amelioration of Diabetic Nephropathy in Mice. <i>Scientific Reports</i> , <b>2017</b> , 7, 2597	4-9	17
33	Novel PKC-mediated phosphorylation site(s) on cofilin and their potential role in terminating histamine release. <i>Molecular Biology of the Cell</i> , <b>2012</b> , 23, 3707-21	3-5	17
32	c-Abl tyrosine kinase regulates serum-induced nuclear export of diacylglycerol kinase by phosphorylation at Tyr-218. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 5507-17	5-4	15
31	Essential role of constitutive androstane receptor in Ginkgo biloba extract induced liver hypertrophy and hepatocarcinogenesis. <i>Food and Chemical Toxicology</i> , <b>2015</b> , 83, 201-9	4-7	14
30	Role of synaptophysin in exocytotic release of dopamine from Xenopus oocytes injected with rat brain mRNA. <i>Cellular and Molecular Neurobiology</i> , <b>2000</b> , 20, 401-8	4-6	14
29	Novel role of Rac-Mid1 signaling in medial cerebellar development. <i>Development (Cambridge)</i> , <b>2017</b> , 144, 1863-1875	6-6	13
28	Diacylglycerol kinase regulates antigen-induced mast cell degranulation by mediating Ca(2+) influxes. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 445, 340-5	3-4	13
27	In vivo gene transfer into the periventricular region by electroporation. <i>Neurologia Medico-Chirurgica</i> , <b>2000</b> , 40, 618-22; discussion 622-3	2-6	12
26	Hearing vulnerability after noise exposure in a mouse model of reactive oxygen species overproduction. <i>Journal of Neurochemistry</i> , <b>2018</b> , 146, 459-473	6	11
25	The role of Pak-interacting exchange factor-phosphorylation at serines 340 and 583 by PKC in dopamine release. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 9268-80	6-6	10

24	Spinocerebellar ataxia type 14 caused by a nonsense mutation in the PRKCG gene. <i>Molecular and Cellular Neurosciences</i> , <b>2019</b> , 98, 46-53	4.8	9
23	PKC- $\beta$ pseudosubstrate and catalytic activity are necessary for membrane delivery during IgG-mediated phagocytosis. <i>Journal of Leukocyte Biology</i> , <b>2013</b> , 94, 109-22	6.5	8
22	The integrity of cochlear hair cells is established and maintained through the localization of Dia1 at apical junctional complexes and stereocilia. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 536	9.8	8
21	The Role of Cysteine String Protein $\beta$ Phosphorylation at Serine 10 and 34 by Protein Kinase C $\beta$ for Presynaptic Maintenance. <i>Journal of Neuroscience</i> , <b>2018</b> , 38, 278-290	6.6	8
20	RANTES/CCL5 mediated-biological effects depend on the syndecan-4/PKC $\beta$ signaling pathway. <i>Biology Open</i> , <b>2014</b> , 3, 995-1004	2.2	7
19	Congenital hearing impairment associated with peripheral cochlear nerve dysmyelination in glycosylation-deficient muscular dystrophy. <i>PLoS Genetics</i> , <b>2020</b> , 16, e1008826	6	6
18	Both the C1 domain and a basic amino acid cluster at the C-terminus are important for the neurite and branch induction ability of DGK $\beta$ <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 447, 89-94	3.4	6
17	DGK $\beta$ Knock-Out Mice Show Impairments in Cerebellar Motor Coordination, LTD, and the Dendritic Development of Purkinje Cells through the Activation of PKC $\beta$ <i>NEuro</i> , <b>2020</b> , 7,	3.9	6
16	Golgi-Associated Protein Kinase C- $\beta$ s Delivered to Phagocytic Cups: Role of Phosphatidylinositol 4-Phosphate. <i>Journal of Immunology</i> , <b>2017</b> , 199, 271-277	5.3	5
15	Nox3-Derived Superoxide in Cochleae Induces Sensorineural Hearing Loss. <i>Journal of Neuroscience</i> , <b>2021</b> , 41, 4716-4731	6.6	5
14	Validation of Anti-CSP $\beta$ /SNAP25, Tyrosine Hydroxylase, Ubiquitin, Cleaved Caspase 3, and pSer PKC Motif Antibodies for Utilization in Western Blotting. <i>Acta Histochemica Et Cytochemica</i> , <b>2017</b> , 50, 177-180	1.9	4
13	Roles of Cdc42 and Rac in Bergmann glia during cerebellar corticogenesis. <i>Experimental Neurology</i> , <b>2018</b> , 302, 57-67	5.7	4
12	Loss of the Phenolic Hydroxyl Group and Aromaticity from the Side Chain of Anti-Proliferative 10-Methyl-aplog-1, a Simplified Analog of Aplysiatoxin, Enhances Its Tumor-Promoting and Proinflammatory Activities. <i>Molecules</i> , <b>2017</b> , 22,	4.8	3
11	Rac-Dependent Signaling from Keratinocytes Promotes Differentiation of Intradermal White Adipocytes. <i>Journal of Investigative Dermatology</i> , <b>2020</b> , 140, 75-84.e6	4.3	3
10	Propofol induced diverse and subtype-specific translocation of PKC families. <i>Journal of Pharmacological Sciences</i> , <b>2018</b> , 137, 20-29	3.7	3
9	mTORC1 is involved in DGK $\beta$ induced neurite outgrowth and spinogenesis. <i>Neurochemistry International</i> , <b>2020</b> , 134, 104645	4.4	2
8	Association study of a polymorphism of nonerythroid $\beta$ spectrin gene with schizophrenia <b>1999</b> , 88, 291-293		1
7	3P212 Single-molecule tracking of PKC received and transferred by diffusing small antennas of signal-induced diacylglycerol (Cell biology, The 48th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , <b>2010</b> , 50, S182	0	

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- 1 Congenital hearing impairment associated with peripheral cochlear nerve dysmyelination in glycosylation-deficient muscular dystrophy **2020**, 16, e1008826