

# Naoaki Saito

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,157  
citations

279798

23  
h-index

233421

45  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2607  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Visualization of the Translocation of the $\delta^3$ -Subspecies of Protein Kinase C in Living Cells Using Fusion Proteins with Green Fluorescent Protein. <i>Journal of Cell Biology</i> , 1997, 139, 1465-1476.	5.2	228
2	Protein Kinase C $\alpha$ (PKC $\alpha$ ): Function of Neuron Specific Isozyme. <i>Journal of Biochemistry</i> , 2002, 132, 683-687.	1.7	185
3	Differential Requirement for Classic and Novel PKC Isoforms in Respiratory Burst and Phagocytosis in RAW 264.7 Cells. <i>Journal of Immunology</i> , 2000, 165, 2809-2817.	0.8	169
4	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> , 2010, 285, 25720-25730.	3.4	119
5	Enzymological Analysis of Mutant Protein Kinase C $\delta^3$ Causing Spinocerebellar Ataxia Type 14 and Dysfunction in Ca <sup>2+</sup> Homeostasis. <i>Journal of Biological Chemistry</i> , 2008, 283, 19854-19863.	3.4	99
6	Electron microscopic localization of $\delta^3$ - and $\delta^2$ -subspecies of protein kinase C in rat hippocampus. <i>Brain Research</i> , 1990, 518, 209-217.	2.2	94
7	A role for PKC- $\mu$ in Fc $\gamma$ R-mediated phagocytosis by RAW 264.7 cells. <i>Journal of Cell Biology</i> , 2002, 159, 939-944.	5.2	83
8	Subtype-specific Translocation of Diacylglycerol Kinase $\delta^2$ and $\delta^3$ and Its Correlation with Protein Kinase C. <i>Journal of Biological Chemistry</i> , 2000, 275, 24760-24766.	3.4	80
9	A Regulated Adaptor Function of p40phox: Distinct p67phox Membrane Targeting by p40phox and by p47phox. <i>Molecular Biology of the Cell</i> , 2007, 18, 441-454.	2.1	75
10	Mutant Protein Kinase C $\delta^3$ Found in Spinocerebellar Ataxia Type 14 Is Susceptible to Aggregation and Causes Cell Death. <i>Journal of Biological Chemistry</i> , 2005, 280, 29096-29106.	3.4	64
11	Mutant $\delta^3$ PKC found in spinocerebellar ataxia type 14 induces aggregate-independent maldevelopment of dendrites in primary cultured Purkinje cells. <i>Neurobiology of Disease</i> , 2009, 33, 260-273.	4.4	58
12	Superoxide Production at Phagosomal Cup/Phagosome through $\delta^2$ Protein Kinase C during Fc $\gamma$ R-Mediated Phagocytosis in Microglia. <i>Journal of Immunology</i> , 2004, 173, 4582-4589.	0.8	56
13	Maintenance of stereocilia and apical junctional complexes by Cdc42 in cochlear hair cells. <i>Journal of Cell Science</i> , 2014, 127, 2040-52.	2.0	53
14	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> , 1997, 68, 2618-2624.	3.9	51
15	Constitutive activation of <i>DIAPH1</i> ( <i>DIAPH1</i> ) via C-terminal truncation causes human sensorineural hearing loss. <i>EMBO Molecular Medicine</i> , 2016, 8, 1310-1324.	6.9	51
16	Targeting of Protein Kinase C- $\mu$ during Fc $\gamma$ Receptor-dependent Phagocytosis Requires the $\mu$ C1B Domain and Phospholipase C- $\delta^1$ . <i>Molecular Biology of the Cell</i> , 2006, 17, 799-813.	2.1	49
17	Immunocytochemical localization of a neuron-specific diacylglycerol kinase $\delta^2$ and $\delta^3$ in the developing rat brain. <i>Molecular Brain Research</i> , 2005, 139, 288-299.	2.3	41
18	Phosphorylation and Up-regulation of Diacylglycerol Kinase $\delta^3$ via Its Interaction with Protein Kinase C $\delta^3$ . <i>Journal of Biological Chemistry</i> , 2006, 281, 31627-31637.	3.4	41

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19	Diacylglycerol kinase as a possible therapeutic target for neuronal diseases. <i>Journal of Biomedical Science</i> , 2014, 21, 28.	7.0	38
20	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> , 2004, 279, 2254-2261.	3.4	37
21	The Extracellular A-loop of Dual Oxidases Affects the Specificity of Reactive Oxygen Species Release. <i>Journal of Biological Chemistry</i> , 2015, 290, 6495-6506.	3.4	34
22	A Novel Rac1-GSPT1 Signaling Pathway Controls Astrogliosis Following Central Nervous System Injury. <i>Journal of Biological Chemistry</i> , 2017, 292, 1240-1250.	3.4	28
23	Novel role of Rac-Mid1 signaling in medial cerebellar development. <i>Development (Cambridge)</i> , 2017, 144, 1863-1875.	2.5	27
24	Effect of Trehalose on the Properties of Mutant $\hat{I}^3$ PKC, Which Causes Spinocerebellar Ataxia Type 14, in Neuronal Cell Lines and Cultured Purkinje Cells*. <i>Journal of Biological Chemistry</i> , 2010, 285, 33252-33264.	3.4	25
25	Generation of a constitutively active fragment of PKN in microglia/macrophages after middle cerebral artery occlusion in rats. <i>Journal of Neurochemistry</i> , 2008, 79, 903-913.	3.9	22
26	Xeroderma pigmentosum group C protein interacts with histones: regulation by acetylated states of histone H3. <i>Genes To Cells</i> , 2017, 22, 310-327.	1.2	22
27	Diacylglycerol Kinase alpha is Involved in the Vitamin E-Induced Amelioration of Diabetic Nephropathy in Mice. <i>Scientific Reports</i> , 2017, 7, 2597.	3.3	21
28	Novel PKC $\hat{I}^{\pm}$ -mediated phosphorylation site(s) on cofilin and their potential role in terminating histamine release. <i>Molecular Biology of the Cell</i> , 2012, 23, 3707-3721.	2.1	20
29	c-Abl Tyrosine Kinase Regulates Serum-induced Nuclear Export of Diacylglycerol Kinase $\hat{I}^{\pm}$ by Phosphorylation at Tyr-218. <i>Journal of Biological Chemistry</i> , 2012, 287, 5507-5517.	3.4	20
30	Nox3-Derived Superoxide in Cochleae Induces Sensorineural Hearing Loss. <i>Journal of Neuroscience</i> , 2021, 41, 4716-4731.	3.6	20
31	Hearing vulnerability after noise exposure in a mouse model of reactive oxygen species overproduction. <i>Journal of Neurochemistry</i> , 2018, 146, 459-473.	3.9	18
32	Role of synaptophysin in exocytotic release of dopamine from <i>Xenopus</i> oocytes injected with rat brain mRNA. <i>Cellular and Molecular Neurobiology</i> , 2000, 20, 401-408.	3.3	17
33	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> , 2020, 11, 536.	6.3	17
34	The Role of Pak-Interacting Exchange Factor- $\hat{A}$ Phosphorylation at Serines 340 and 583 by PKC $\hat{A}$ in Dopamine Release. <i>Journal of Neuroscience</i> , 2014, 34, 9268-9280.	3.6	16
35	Essential role of constitutive androstane receptor in Ginkgo biloba extract induced liver hypertrophy and hepatocarcinogenesis. <i>Food and Chemical Toxicology</i> , 2015, 83, 201-209.	3.6	16
36	Diacylglycerol kinase $\hat{I}^3$ regulates antigen-induced mast cell degranulation by mediating Ca <sup>2+</sup> influxes. <i>Biochemical and Biophysical Research Communications</i> , 2014, 445, 340-345.	2.1	15

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37	In Vivo Gene Transfer into the Periventricular Region by Electroporation.. Neurologia Medico-Chirurgica, 2000, 40, 618-623.	2.2	14
38	The Role of Cysteine String Protein $\hat{\pm}$ Phosphorylation at Serine 10 and 34 by Protein Kinase C $\hat{\beta}$ for Presynaptic Maintenance. Journal of Neuroscience, 2018, 38, 278-290.	3.6	14
39	Spinocerebellar ataxia type 14 caused by a nonsense mutation in the PRKCG gene. Molecular and Cellular Neurosciences, 2019, 98, 46-53.	2.2	14
40	Roles of Cdc42 and Rac in Bergmann glia during cerebellar corticogenesis. Experimental Neurology, 2018, 302, 57-67.	4.1	13
41	PKC- $\hat{\epsilon}$ pseudosubstrate and catalytic activity are necessary for membrane delivery during IgG-mediated phagocytosis. Journal of Leukocyte Biology, 2013, 94, 109-122.	3.3	11
42	Congenital hearing impairment associated with peripheral cochlear nerve dysmyelination in glycosylation-deficient muscular dystrophy. PLoS Genetics, 2020, 16, e1008826.	3.5	11
43	DGK $\hat{\beta}$ Knock-Out Mice Show Impairments in Cerebellar Motor Coordination, LTD, and the Dendritic Development of Purkinje Cells through the Activation of PKC $\hat{\beta}$ . ENeuro, 2020, 7, ENEURO.0319-19.2020.	1.9	11
44	RANTES/CCL5 mediated-biological effects depend on the syndecan-4/PKC $\hat{\alpha}$ signaling pathway. Biology Open, 2014, 3, 995-1004.	1.2	9
45	Golgi-Associated Protein Kinase C- $\hat{\mu}$ Is Delivered to Phagocytic Cups: Role of Phosphatidylinositol 4-Phosphate. Journal of Immunology, 2017, 199, 271-277.	0.8	9
46	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 $\hat{\beta}$ . Biochemical and Biophysical Research Communications, 2014, 447, 89-94.	2.1	7
47	Propofol induced diverse and subtype-specific translocation of PKC families. Journal of Pharmacological Sciences, 2018, 137, 20-29.	2.5	7
48	Phosphoproteomic of the acetylcholine pathway enables discovery of the PKC- $\hat{\gamma}$ -PIX-Rac1-PAK cascade as a stimulatory signal for aversive learning. Molecular Psychiatry, 2022, 27, 3479-3492.	7.9	7
49	Rac-Dependent Signaling from Keratinocytes Promotes Differentiation of Intradermal White Adipocytes. Journal of Investigative Dermatology, 2020, 140, 75-84.e6.	0.7	6
50	mTORC1 is involved in DGK $\hat{\beta}$ -induced neurite outgrowth and spinogenesis. Neurochemistry International, 2020, 134, 104645.	3.8	5
51	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. Molecules, 2017, 22, 631.	3.8	4
52	Validation of Anti-CSP $\hat{\alpha}$ , SNAP25, Tyrosine Hydroxylase, Ubiquitin, Cleaved Caspase 3, and pSer PKC Motif Antibodies for Utilization in Western Blotting. Acta Histochemica Et Cytochemica, 2017, 50, 177-180.	1.6	4
53	Association study of a polymorphism of nonerythroid $\beta$ -spectrin gene with schizophrenia. , 1999, 88, 291-293.		2
54	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) Tj ETQq0 0 0 rgBTj0 Overlock 10 Tf 50 5		

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55	Title is missing!. , 2020, 16, e1008826.		0
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