

# Akihiko Nishikimi

## List of Publications by Year in descending order

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46  
papers

1,995  
citations

257450

24  
h-index

243625

44  
g-index

46  
all docs

46  
docs citations

46  
times ranked

3165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequential Regulation of DOCK2 Dynamics by Two Phospholipids During Neutrophil Chemotaxis. <i>Science</i> , 2009, 324, 384-387.	12.6	260
2	DOCK2 is a Rac activator that regulates motility and polarity during neutrophil chemotaxis. <i>Journal of Cell Biology</i> , 2006, 174, 647-652.	5.2	201
3	DOCK8 is a Cdc42 activator critical for interstitial dendritic cell migration during immune responses. <i>Blood</i> , 2012, 119, 4451-4461.	1.4	200
4	Selective control of type I IFN induction by the Rac activator DOCK2 during TLR-mediated plasmacytoid dendritic cell activation. <i>Journal of Experimental Medicine</i> , 2010, 207, 721-730.	8.5	100
5	Structural basis for mutual relief of the Rac guanine nucleotide exchange factor DOCK2 and its partner ELMO1 from their autoinhibited forms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3305-3310.	7.1	95
6	T helper type 2 differentiation and intracellular trafficking of the interleukin 4 receptor- $\beta$ subunit controlled by the Rac activator Dock2. <i>Nature Immunology</i> , 2007, 8, 1067-1075.	14.5	70
7	Immune regulatory functions of DOCK family proteins in health and disease. <i>Experimental Cell Research</i> , 2013, 319, 2343-2349.	2.6	70
8	Differential requirement for DOCK2 in migration of plasmacytoid dendritic cells versus myeloid dendritic cells. <i>Blood</i> , 2008, 111, 2973-2976.	1.4	67
9	Blockade of Inflammatory Responses by a Small-Molecule Inhibitor of the Rac Activator DOCK2. <i>Chemistry and Biology</i> , 2012, 19, 488-497.	6.0	65
10	The Cell Polarity Protein mInsc Regulates Neutrophil Chemotaxis via a Noncanonical G Protein Signaling Pathway. <i>Developmental Cell</i> , 2013, 26, 292-302.	7.0	64
11	DOCK2 and DOCK5 Act Additively in Neutrophils To Regulate Chemotaxis, Superoxide Production, and Extracellular Trap Formation. <i>Journal of Immunology</i> , 2014, 193, 5660-5667.	0.8	60
12	Rab13 acts downstream of the kinase Mst1 to deliver the integrin LFA-1 to the cell surface for lymphocyte trafficking. <i>Science Signaling</i> , 2014, 7, ra72.	3.6	59
13	Zizimin2: a novel, DOCK180-related Cdc42 guanine nucleotide exchange factor expressed predominantly in lymphocytes. <i>FEBS Letters</i> , 2005, 579, 1039-1046.	2.8	56
14	Nuclear Translocation of Nuclear Factor Kappa B in Early 1-Cell Mouse Embryos <sup>1</sup> . <i>Biology of Reproduction</i> , 1999, 60, 1536-1541.	2.7	49
15	GADD34 induces p53 phosphorylation and p21/WAF1 transcription. <i>Journal of Cellular Biochemistry</i> , 2003, 90, 1242-1249.	2.6	48
16	DOCK180 Is a Rac Activator That Regulates Cardiovascular Development by Acting Downstream of CXCR4. <i>Circulation Research</i> , 2010, 107, 1102-1105.	4.5	46
17	Phosphatidic Acid-dependent Recruitment and Function of the Rac Activator DOCK1 during Dorsal Ruffle Formation. <i>Journal of Biological Chemistry</i> , 2013, 288, 8092-8100.	3.4	46
18	DOCK5 functions as a key signaling adaptor that links Fc $\gamma$ RI signals to microtubule dynamics during mast cell degranulation. <i>Journal of Experimental Medicine</i> , 2014, 211, 1407-1419.	8.5	40

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19	The Rac activator DOCK2 regulates natural killer cell-mediated cytotoxicity in mice through the lytic synapse formation. <i>Blood</i> , 2013, 122, 386-393.	1.4	39
20	Protein phosphatase 1, but not protein phosphatase 2A, dephosphorylates DNA-damaging stress-induced phospho-serine 15 of p53. <i>FEBS Letters</i> , 2004, 567, 171-174.	2.8	38
21	Tributyltin interacts with mitochondria and induces cytochrome c release. <i>Biochemical Journal</i> , 2001, 356, 621.	3.7	29
22	Dual functions of Rap1 are crucial for T-cell homeostasis and prevention of spontaneous colitis. <i>Nature Communications</i> , 2015, 6, 8982.	12.8	28
23	Dimerization of DOCK2 Is Essential for DOCK2-Mediated Rac Activation and Lymphocyte Migration. <i>PLoS ONE</i> , 2012, 7, e46277.	2.5	27
24	Involvement of IL-1 family proteins in p38 linked cellular senescence of mouse embryonic fibroblasts. <i>FEBS Letters</i> , 2004, 575, 30-34.	2.8	26
25	Next-generation sequencing coupled with a cell-free display technology for high-throughput production of reliable interactome data. <i>Scientific Reports</i> , 2012, 2, 691.	3.3	25
26	Collagen-derived peptides modulate CD4 <sup>+</sup> T cell differentiation and suppress allergic responses in mice. <i>Immunity, Inflammation and Disease</i> , 2018, 6, 245-255.	2.7	25
27	Parallel Regulation of von Hippel-Lindau Disease by pVHL-Mediated Degradation of B-Myb and Hypoxia-Inducible Factor 1 $\alpha$ . <i>Molecular and Cellular Biology</i> , 2016, 36, 1803-1817.	2.3	20
28	ASB7 regulates spindle dynamics and genome integrity by targeting DDA3 for proteasomal degradation. <i>Journal of Cell Biology</i> , 2016, 215, 95-106.	5.2	19
29	cDNA cloning of bovine midkine and production of the recombinant protein, which affects in vitro maturation of bovine oocytes. <i>Molecular Reproduction and Development</i> , 2000, 57, 99-107.	2.0	17
30	The Rac Activator DOCK2 Mediates Plasma Cell Differentiation and IgG Antibody Production. <i>Frontiers in Immunology</i> , 2018, 9, 243.	4.8	17
31	Expression of TARSH gene in MEFs senescence and its potential implication in human lung cancer. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 1031-1038.	2.1	16
32	Ubiquitin ligase SPSB4 diminishes cell repulsive responses mediated by EphB2. <i>Molecular Biology of the Cell</i> , 2017, 28, 3532-3541.	2.1	12
33	Cul5-type Ubiquitin Ligase KLHDC1 Contributes to the Elimination of Truncated SELENOS Produced by Failed UGA/Sec Decoding. <i>IScience</i> , 2020, 23, 100970.	4.1	12
34	Evaluation of acrosomal status of bovine spermatozoa using concanavalin a lectin. <i>Theriogenology</i> , 1997, 48, 1007-1016.	2.1	11
35	Involvement of glycolytic metabolism in developmental inhibition of rat two-cell embryos by phosphate. <i>The Journal of Experimental Zoology</i> , 2000, 287, 503-509.	1.4	11
36	A novel mammalian nuclear protein similar to <i>Schizosaccharomyces pombe</i> Prp1p/Zer1p and <i>Saccharomyces cerevisiae</i> Prp6p pre-mRNA splicing factors. <i>BBA - Proteins and Proteomics</i> , 1999, 1435, 147-152.	2.1	9

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37	Phosphatidic acid regulates subcellular distribution of RA-GEFs critical for chemokine-dependent migration. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 325-331.	2.1	4
38	A reducing and denaturing step maximizes the immunoprecipitations of m-calpain and I-2PP2A/SET: An approach toward antibodies that do not work well in immunoprecipitation. <i>Journal of Proteomics</i> , 2006, 68, 65-68.	2.4	3
39	Prevalence of SARS-CoV-2 antibodies after one-year follow up among workers in a research institute in Japan. <i>Journal of Infection</i> , 2022, 84, e23-e25.	3.3	3
40	Inhibitory effect of phosphate on in vitro development of 2-cell rat embryos is overcome by a factor(s) in oviductal extracts. <i>FEBS Letters</i> , 1999, 462, 71-74.	2.8	2
41	Seroprevalence of antibodies against SARS-CoV-2 among workers in a national research institute and hospital in Central Japan. <i>GHM Open</i> , 2021, 1, 40-42.	0.6	2
42	Immune responses to COVID-19 vaccine BNT162b2 in workers at a research institute in Japan: 6-month follow-up survey. <i>Journal of Infection</i> , 2022, 85, 174-211.	3.3	2
43	Nuclear Translocation of a Pre-mRNA Splicing Factor, p100prp1/zer1/prp6, in Mouse 1-cell Embryos.. <i>Journal of Reproduction and Development</i> , 2002, 48, 257-263.	1.4	1
44	The immunosenescence-related factor DOCK11 is involved in secondary immune responses of B cells. <i>Immunity and Ageing</i> , 2022, 19, 2.	4.2	1
45	DOCK2 is a Rac activator that regulates motility and polarity during neutrophil chemotaxis. <i>Journal of Experimental Medicine</i> , 2006, 203, i23-i23.	8.5	0
46	DOCK5 functions as a key signaling adaptor that links Fc $\mu$ RI signals to microtubule dynamics during mast cell degranulation. <i>Journal of Cell Biology</i> , 2014, 205, 2056OIA110.	5.2	0