

# Hideyuki Mukai

## List of Publications by Year in Descending Order

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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.

43  
papers

1,548  
citations

21  
h-index

39  
g-index

43  
ext. papers

1,675  
ext. citations

3.9  
avg, IF

4  
L-index

#	Paper	IF	Citations
43	Inhibitor of protein kinase N3 suppresses excessive bone resorption in ovariectomized mice.. <i>Journal of Bone and Mineral Metabolism</i> , <b>2022</b> , 40, 251	2.9	
42	PKN2 is involved in aggregation and spheroid formation of fibroblasts in suspension culture by regulating cell motility and expression. <i>Biochemistry and Biophysics Reports</i> , <b>2021</b> , 25, 100895	2.2	1
41	Protein Kinase N Family Negatively Regulates Constitutive Androstane Receptor-Mediated Transcriptional Induction of Cytochrome P450 2b10 in the Livers of Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2021</b> , 379, 53-63	4.7	0
40	PKN1 controls the aggregation, spheroid formation, and viability of mouse embryonic fibroblasts in suspension culture. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 523, 398-404	3.4	2
39	PKN1 promotes synapse maturation by inhibiting mGluR-dependent silencing through neuronal glutamate transporter activation. <i>Communications Biology</i> , <b>2020</b> , 3, 710	6.7	2
38	PKN1 kinase-negative knock-in mice develop splenomegaly and leukopenia at advanced age without obvious autoimmune-like phenotypes. <i>Scientific Reports</i> , <b>2019</b> , 9, 13977	4.9	1
37	PKN2 is essential for mouse embryonic development and proliferation of mouse fibroblasts. <i>Genes To Cells</i> , <b>2017</b> , 22, 220-236	2.3	13
36	Impaired lymphocyte trafficking in mice deficient in the kinase activity of PKN1. <i>Scientific Reports</i> , <b>2017</b> , 7, 7663	4.9	14
35	Protein kinase N3 promotes bone resorption by osteoclasts in response to Wnt5a-Ror2 signaling. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	36
34	S6 kinase phosphorylated at T229 is involved in tau and actin pathologies in Alzheimer's disease. <i>Neuropathology</i> , <b>2016</b> , 36, 325-32	2	7
33	PKN3 is the major regulator of angiogenesis and tumor metastasis in mice. <i>Scientific Reports</i> , <b>2016</b> , 6, 18979	4.9	27
32	Turning off of GluN2B subunits and turning on of CICR in hippocampal LTD induction after developmental GluN2 subunit switch. <i>Hippocampus</i> , <b>2015</b> , 25, 1274-84	3.5	10
31	Protein kinase N1 is a novel substrate of NFATc1-mediated cyclin D1-CDK6 activity and modulates vascular smooth muscle cell division and migration leading to inward blood vessel wall remodeling. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 36291-304	5.4	29
30	Electrophysiological Technique for Analysis of Synaptic Function of PKN1 in Hippocampus. <i>Neuromethods</i> , <b>2012</b> , 349-360	0.4	
29	Hypotonic swelling-induced activation of PKN1 mediates cell survival in cardiac myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 300, H191-200	5.2	19
28	Accumulation of tumor-suppressor PTEN in Alzheimer neurofibrillary tangles. <i>Neuroscience Letters</i> , <b>2010</b> , 471, 20-4	3.3	52
27	Development of an intracellularly acting inhibitory peptide selective for PKN. <i>Biochemical Journal</i> , <b>2009</b> , 425, 445-53	3.8	17

26	Fragmentation of protein kinase N (PKN) in the hydrocephalic rat brain. <i>Acta Histochemica Et Cytochemica</i> , <b>2007</b> , 40, 113-21	1.9	6
25	Purification and kinase assay of PKN. <i>Methods in Enzymology</i> , <b>2006</b> , 406, 234-50	1.7	9
24	Centrosome-targeting region of CG-NAP causes centrosome amplification by recruiting cyclin E-cdk2 complex. <i>Genes To Cells</i> , <b>2005</b> , 10, 75-86	2.3	26
23	Involvement of protein kinase PKN1 in G2/M delay caused by arsenite. <i>Molecular Carcinogenesis</i> , <b>2005</b> , 43, 1-12	5	13
22	Protein kinase PKN1 associates with TRAF2 and is involved in TRAF2-NF-kappaB signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 314, 688-94	3.4	17
21	The structure and function of PKN, a protein kinase having a catalytic domain homologous to that of PKC. <i>Journal of Biochemistry</i> , <b>2003</b> , 133, 17-27	3.1	133
20	Regulation of a mitogen-activated protein kinase kinase kinase, MLTK by PKN. <i>Journal of Biochemistry</i> , <b>2003</b> , 133, 181-7	3.1	22
19	Centrosomal proteins CG-NAP and kendrin provide microtubule nucleation sites by anchoring gamma-tubulin ring complex. <i>Molecular Biology of the Cell</i> , <b>2002</b> , 13, 3235-45	3.5	194
18	PKN regulates phospholipase D1 through direct interaction. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 18096-101	5.4	23
17	Association of immature hypophosphorylated protein kinase epsilon with an anchoring protein CG-NAP. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 34592-6	5.4	72
16	Dual effects of PKNalpha and protein kinase C on phosphorylation of tau protein by glycogen synthase kinase-3beta. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 273, 209-12	3.4	50
15	Characterization of a novel giant scaffolding protein, CG-NAP, that anchors multiple signaling enzymes to centrosome and the golgi apparatus. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 17267-74	5.4	197
14	Interaction of PKN with a neuron-specific basic helix-loop-helix transcription factor, NDRF/NeuroD2. <i>Molecular Brain Research</i> , <b>1999</b> , 74, 126-34		16
13	Identification and characterization of PKNbeta, a novel isoform of protein kinase PKN: expression and arachidonic acid dependency are different from those of PKNalpha. <i>Biochemical and Biophysical Research Communications</i> , <b>1999</b> , 261, 808-14	3.4	33
12	Localization of PKN mRNA in the rat brain. <i>Molecular Brain Research</i> , <b>1998</b> , 59, 143-53		13
11	The role of PKN in the regulation of alphaB-crystallin expression via heat shock transcription factor 1. <i>Biochemical and Biophysical Research Communications</i> , <b>1998</b> , 252, 561-5	3.4	14
10	PKN interacts with a paraneoplastic cerebellar degeneration-associated antigen, which is a potential transcription factor. <i>Experimental Cell Research</i> , <b>1998</b> , 241, 363-72	4.2	31
9	The protein kinase N (PKN) gene PRKCL1/Prkcl1 maps to human chromosome 19p12-p13.1 and mouse chromosome 8 with close linkage to the myodystrophy (myd) mutation. <i>Genomics</i> , <b>1998</b> , 49, 129-32	4.3	1

8	Comparative effects of GTPgammaS and insulin on the activation of Rho, phosphatidylinositol 3-kinase, and protein kinase N in rat adipocytes. Relationship to glucose transport. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 7470-7	5.4	56
7	A protein kinase, PKN, accumulates in Alzheimer neurofibrillary tangles and associated endoplasmic reticulum-derived vesicles and phosphorylates tau protein. <i>Journal of Neuroscience</i> , <b>1998</b> , 18, 7402-10	6.6	60
6	Domain-specific phosphorylation of vimentin and glial fibrillary acidic protein by PKN. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 234, 621-5	3.4	60
5	Interaction of PKN with alpha-actinin. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 4740-6	5.4	103
4	Characterization of the interaction between RhoA and the amino-terminal region of PKN. <i>FEBS Letters</i> , <b>1996</b> , 385, 221-4	3.8	52
3	The role of the unique motifs in the amino-terminal region of PKN on its enzymatic activity. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 220, 963-8	3.4	45
2	PKN associates and phosphorylates the head-rod domain of neurofilament protein. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 9816-22	5.4	68
1	Functional characterization of the promoter region of the mouse protein kinase C gamma gene. <i>FEBS Letters</i> , <b>1995</b> , 368, 276-8	3.8	4