

# Hironori Katoh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6315537/publications.pdf>

Version: 2024-02-01

58  
papers

4,094  
citations

136740

32  
h-index

149479

56  
g-index

59  
all docs

59  
docs citations

59  
times ranked

4266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Filamin A forms a complex with EphA2 and regulates EphA2 serine 897 phosphorylation and glioblastoma cell proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2022, 597, 64-70.	1.0	1
2	Expression of gamma-glutamyltransferase 1 in glioblastoma cells confers resistance to cystine deprivation-induced ferroptosis. <i>Journal of Biological Chemistry</i> , 2022, 298, 101703.	1.6	18
3	Epidermal growth factor promotes glioblastoma cell death under glucose deprivation via upregulation of xCT (SLC7A11). <i>Cellular Signalling</i> , 2021, 78, 109874.	1.7	10
4	Role of ferritinophagy in cystine deprivation-induced cell death in glioblastoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2021, 539, 56-63.	1.0	22
5	High cell density increases glioblastoma cell viability under glucose deprivation via degradation of the cystine/glutamate transporter xCT (SLC7A11). <i>Journal of Biological Chemistry</i> , 2020, 295, 6936-6945.	1.6	33
6	EphA3 is up-regulated by epidermal growth factor and promotes formation of glioblastoma cell aggregates. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 715-721.	1.0	3
7	The cystine/glutamate antiporter xCT is a key regulator of EphA2 S897 phosphorylation under glucose-limited conditions. <i>Cellular Signalling</i> , 2019, 62, 109329.	1.7	16
8	RasGRF1 mediates brain-derived neurotrophic factor-induced axonal growth in primary cultured cortical neurons. <i>Biochemistry and Biophysics Reports</i> , 2019, 17, 56-64.	0.7	9
9	Tyrosine kinase activity of EphA2 promotes its S897 phosphorylation and glioblastoma cell proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 499, 920-926.	1.0	14
10	Cystine uptake through the cystine/glutamate antiporter xCT triggers glioblastoma cell death under glucose deprivation. <i>Journal of Biological Chemistry</i> , 2017, 292, 19721-19732.	1.6	77
11	Tyrosine Phosphorylation of SGEF Regulates RhoG Activity and Cell Migration. <i>PLoS ONE</i> , 2016, 11, e0159617.	1.1	7
12	EphA2 is a key effector of the MEK/ERK/RSK pathway regulating glioblastoma cell proliferation. <i>Cellular Signalling</i> , 2016, 28, 937-945.	1.7	55
13	HGF-induced serine 897 phosphorylation of EphA2 regulates epithelial morphogenesis of MDCK cells in 3D culture. <i>Journal of Cell Science</i> , 2015, 128, 1912-1921.	1.2	19
14	HGF-induced serine 897 phosphorylation of EphA2 regulates epithelial morphogenesis of MDCK cells in 3D culture. <i>Development (Cambridge)</i> , 2015, 142, e1105-e1105.	1.2	0
15	EphB6 promotes anoikis by modulating EphA2 signaling. <i>Cellular Signalling</i> , 2014, 26, 2879-2884.	1.7	25
16	Dock4 forms a complex with SH3YL1 and regulates cancer cell migration. <i>Cellular Signalling</i> , 2014, 26, 1082-1088.	1.7	35
17	Ephexin4-mediated promotion of cell migration and anoikis resistance is regulated by serine 897 phosphorylation of EphA2. <i>FEBS Open Bio</i> , 2013, 3, 78-82.	1.0	35
18	Rac GEF Dock4 interacts with cortactin to regulate dendritic spine formation. <i>Molecular Biology of the Cell</i> , 2013, 24, 1602-1613.	0.9	44

#	ARTICLE	IF	CITATIONS
19	Ephexin4 and EphA2 mediate resistance to anoikis through RhoG and phosphatidylinositol 3-kinase. <i>Experimental Cell Research</i> , 2011, 317, 1701-1713.	1.2	42
20	The F-BAR Protein Rapostlin Regulates Dendritic Spine Formation in Hippocampal Neurons. <i>Journal of Biological Chemistry</i> , 2011, 286, 32672-32683.	1.6	20
21	Semaphorin 4D/Plexin-B1 Stimulates PTEN Activity through R-Ras GTPase-activating Protein Activity, Inducing Growth Cone Collapse in Hippocampal Neurons. <i>Journal of Biological Chemistry</i> , 2010, 285, 28200-28209.	1.6	51
22	Ephexin4 and EphA2 mediate cell migration through a RhoG-dependent mechanism. <i>Journal of Cell Biology</i> , 2010, 190, 461-477.	2.3	121
23	Different Requirement for Rnd GTPases of R-Ras GAP Activity of Plexin-C1 and Plexin-D1. <i>Journal of Biological Chemistry</i> , 2009, 284, 6743-6751.	1.6	93
24	RhoG Promotes Neural Progenitor Cell Proliferation in Mouse Cerebral Cortex. <i>Molecular Biology of the Cell</i> , 2009, 20, 4941-4950.	0.9	25
25	Chimaerin binds to EphA receptors and regulates cell migration. <i>FEBS Letters</i> , 2009, 583, 1237-1242.	1.3	19
26	Regulation of dendrite growth by the Cdc42 activator Zizimin1/Dock9 in hippocampal neurons. <i>Journal of Neuroscience Research</i> , 2009, 87, 1794-1805.	1.3	47
27	Dock4 regulates dendritic development in hippocampal neurons. <i>Journal of Neuroscience Research</i> , 2008, 86, 3052-3061.	1.3	57
28	R-Ras Controls Axon Specification Upstream of Glycogen Synthase Kinase-3 $\beta$ through Integrin-linked Kinase. <i>Journal of Biological Chemistry</i> , 2007, 282, 303-318.	1.6	52
29	Rac-GAP Chimerin Regulates Motor-Circuit Formation as a Key Mediator of EphrinB3/EphA4 Forward Signaling. <i>Cell</i> , 2007, 130, 742-753.	13.5	161
30	Interaction of Arginine-Rich Peptides with Membrane-Associated Proteoglycans Is Crucial for Induction of Actin Organization and Macropinocytosis. <i>Biochemistry</i> , 2007, 46, 492-501.	1.2	364
31	RhoG regulates anoikis through a phosphatidylinositol 3-kinase-dependent mechanism. <i>Experimental Cell Research</i> , 2007, 313, 2821-2832.	1.2	30
32	Dock4 is regulated by RhoG and promotes Rac-dependent cell migration. <i>Experimental Cell Research</i> , 2006, 312, 4205-4216.	1.2	76
33	Small GTPase Rnd1 is involved in neuronal activity-dependent dendritic development in hippocampal neurons. <i>Neuroscience Letters</i> , 2006, 400, 218-223.	1.0	20
34	Activation of Rac1 by RhoG regulates cell migration. <i>Journal of Cell Science</i> , 2006, 119, 56-65.	1.2	155
35	Sema4D/plexin-B1 activates GSK-3 $\beta$ through R-Ras GAP activity, inducing growth cone collapse. <i>EMBO Reports</i> , 2006, 7, 704-709.	2.0	127
36	Differential distribution of ELMO1 and ELMO2 mRNAs in the developing mouse brain. <i>Brain Research</i> , 2006, 1073-1074, 103-108.	1.1	13

#	ARTICLE	IF	CITATIONS
37	Pragmin, a Novel Effector of Rnd2 GTPase, Stimulates RhoA Activity. <i>Journal of Biological Chemistry</i> , 2006, 281, 10355-10364.	1.6	78
38	Semaphorin 4D/Plexin-B1-mediated R-Ras GAP activity inhibits cell migration by regulating $\beta$ 1 integrin activity. <i>Journal of Cell Biology</i> , 2006, 173, 601-613.	2.3	95
39	Regulation of Neuronal Morphology by Toca-1, an F-BAR/EFC Protein That Induces Plasma Membrane Invagination. <i>Journal of Biological Chemistry</i> , 2006, 281, 29042-29053.	1.6	51
40	Direct Interaction of Rnd1 with FRS2 <sup>2</sup> Regulates Rnd1-induced Down-regulation of RhoA Activity and Is Involved in Fibroblast Growth Factor-induced Neurite Outgrowth in PC12 Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 18418-18424.	1.6	50
41	Rho Family GTPases and Dendrite Plasticity. <i>Neuroscientist</i> , 2005, 11, 187-191.	2.6	71
42	Socius, a novel binding partner of G $\alpha$ 12/13, promotes the G $\alpha$ 12-induced RhoA activation. <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 615-620.	1.0	6
43	Identification of Splicing Variants of Rapostlin, a Novel Rnd2 Effector that Interacts with Neural Wiskott-Aldrich Syndrome Protein and Induces Neurite Branching. <i>Journal of Biological Chemistry</i> , 2004, 279, 14104-14110.	1.6	31
44	The Semaphorin 4D Receptor Plexin-B1 Is a GTPase Activating Protein for R-Ras. <i>Science</i> , 2004, 305, 862-865.	6.0	347
45	Molecular Dissection of the Semaphorin 4D Receptor Plexin-B1-Stimulated R-Ras GTPase-Activating Protein Activity and Neurite Remodeling in Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2004, 24, 11473-11480.	1.7	113
46	PACAP activates Rac1 and synergizes with NGF to activate ERK1/2, thereby inducing neurite outgrowth in PC12 cells. <i>Molecular Brain Research</i> , 2004, 123, 18-26.	2.5	28
47	RhoG activates Rac1 by direct interaction with the Dock180-binding protein Elmo. <i>Nature</i> , 2003, 424, 461-464.	13.7	312
48	Direct Interaction of Rnd1 with Plexin-B1 Regulates PDZ-RhoGEF-mediated Rho Activation by Plexin-B1 and Induces Cell Contraction in COS-7 Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 25671-25677.	1.6	108
49	A Role of Rnd1 GTPase in Dendritic Spine Formation in Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2003, 23, 11065-11072.	1.7	72
50	Rho Family GTPases as Key Regulators for Neuronal Network Formation. <i>Journal of Biochemistry</i> , 2002, 132, 157-166.	0.9	108
51	Rapostlin Is a Novel Effector of Rnd2 GTPase Inducing Neurite Branching. <i>Journal of Biological Chemistry</i> , 2002, 277, 45428-45434.	1.6	74
52	Socius Is a Novel Rnd GTPase-Interacting Protein Involved in Disassembly of Actin Stress Fibers. <i>Molecular and Cellular Biology</i> , 2002, 22, 2952-2964.	1.1	74
53	Developmental changes in expression of small GTPase RhoG mRNA in the rat brain. <i>Molecular Brain Research</i> , 2002, 106, 145-150.	2.5	17
54	Differential Responses to Nerve Growth Factor and Epidermal Growth Factor in Neurite Outgrowth of PC12 Cells Are Determined by Rac1 Activation Systems. <i>Journal of Biological Chemistry</i> , 2001, 276, 15298-15305.	1.6	57

#	ARTICLE	IF	CITATIONS
55	Immunohistochemical localization of prostaglandin EP3 receptor in the rat nervous system. , 2000, 421, 543-569.		179
56	Small GTPase RhoG Is a Key Regulator for Neurite Outgrowth in PC12 Cells. Molecular and Cellular Biology, 2000, 20, 7378-7387.	1.1	129
57	Rnd1, a Novel Rho Family GTPase, Induces the Formation of Neuritic Processes in PC12 Cells. Biochemical and Biophysical Research Communications, 2000, 278, 604-608.	1.0	37
58	p160 RhoA-binding Kinase ROK $\hat{\pm}$ Induces Neurite Retraction. Journal of Biological Chemistry, 1998, 273, 2489-2492.	1.6	161