Yoji Murata

List of Publications by Year
in descending order

78 papers	3,263 citations	172386 29 h-index	155592 55 g-index
80 all docs	80 docs citations	80 times ranked	4472 citing authors

#	Article	IF	Citations
1	Functions and molecular mechanisms of the CD47â€“SIRPÎ± signalling pathway. Trends in Cell Biology, 2009, 19, 72-80.	3.6	379
2	The Muscle Protein Dok-7 Is Essential for Neuromuscular Synaptogenesis. Science, 2006, 312, 1802-1805.	6.0	370
3	Protein tyrosine phosphatase SHPâ€2: A protoâ€oncogene product that promotes Ras activation. Cancer Science, 2009, 100, 1786-1793.	1.7	206
4	Promotion of Intestinal Epithelial Cell Turnover by Commensal Bacteria: Role of Short-Chain Fatty Acids. PLoS ONE, 2016, 11, e0156334.	1.1	182
5	The CD47-SIRPÂ signalling system: its physiological roles and therapeutic application. Journal of Biochemistry, 2014, 155, 335-344.	0.9	132
6	Anti-SIRPÎ± antibodies as a potential new tool for cancer immunotherapy. JCI Insight, 2017, 2, e89140.	2.3	120
7	EB3, a novel member of the EB1 family preferentially expressed in the central nervous system, binds to a CNS-specific APC homologue. Oncogene, 2000, 19, 210-216.	2.6	111
8	<scp>CD</scp>47â€signal regulatory protein Î± signaling system and its application to cancer immunotherapy. Cancer Science, 2018, 109, 2349-2357.	1.7	99
9	Interaction with Protocadherin-Î³ Regulates the Cell Surface Expression of Protocadherin-Î±. Journal of Biological Chemistry, 2004, 279, 49508-49516.	1.6	90
10	Src family kinases: modulators of neurotransmitter receptor function and behavior. Trends in Neurosciences, 2011, 34, 629-637.	4.2	89
11	CD47 Promotes Neuronal Development through Src- and FRG/Vav2-Mediated Activation of Rac and Cdc42. Journal of Neuroscience, 2006, 26, 12397-12407.	1.7	73
12	Structure of the Cadherin-related Neuronal Receptor/Protocadherin-Î± First Extracellular Cadherin Domain Reveals Diversity across Cadherin Families. Journal of Biological Chemistry, 2006, 281, 33650-33663.	1.6	66
13	Regulation by SIRPÎ± of dendritic cell homeostasis in lymphoid tissues. Blood, 2010, 116, 3517-3525.	0.6	64
14	Expression, localization, and biological function of the R3 subtype of receptor-type protein tyrosine phosphatases in mammals. Cellular Signalling, 2010, 22, 1811-1817.	1.7	52
15	Resistance to Experimental Autoimmune Encephalomyelitis and Impaired T Cell Priming by Dendritic Cells in Src Homology 2 Domain-Containing Protein Tyrosine Phosphatase Substrate-1 Mutant Mice. Journal of Immunology, 2007, 179, 869-877.	0.4	50
16	Dendritic Cell-Specific Ablation of the Protein Tyrosine Phosphatase Shp1 Promotes Th1 Cell Differentiation and Induces Autoimmunity. Journal of Immunology, 2012, 188, 5397-5407.	0.4	49
17	Cadherin-related neuronal receptor 1 (CNR1) has cell adhesion activity with Î²1 integrin mediated through the RGD site of CNR1. Experimental Cell Research, 2004, 294, 494-508.	1.2	47
18	SAPâ€1 is a microvillusâ€specific protein tyrosine phosphatase that modulates intestinal tumorigenesis. Genes To Cells, 2009, 14, 295-308.	0.5	47

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19	Genomic organization and transcripts of the zebrafish Protocadherin genes. Gene, 2004, 340, 197-211.	1.0	42
20	Stress-Evoked Tyrosine Phosphorylation of Signal Regulatory Protein Î± Regulates Behavioral Immobility in the Forced Swim Test. Journal of Neuroscience, 2010, 30, 10472-10483.	1.7	41
21	The Wilms tumor suppressor geneWT1induces G1 arrest and apoptosis in myeloblastic leukemia M1 cells. FEBS Letters, 1997, 409, 41-45.	1.3	39
22	Protein tyrosine phosphatase SAP-1 protects against colitis through regulation of CEACAM20 in the intestinal epithelium. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4264-E4271.	3.3	39
23	Microglial SIRPÎ± regulates the emergence of CD11c+ microglia and demyelination damage in white matter. ELife, 2019, 8, .	2.8	39
24	Enhanced phagocytosis of CD47-deficient red blood cells by splenic macrophages requires SHPS-1. Biochemical and Biophysical Research Communications, 2006, 343, 1197-1200.	1.0	34
25	Antiâ€human <scp>SIRP</scp>Î± antibody is a new tool for cancer immunotherapy. Cancer Science, 2018, 109, 1300-1308.	1.7	34
26	CNR/PcdhÎ± family in subplate neurons, and developing cortical connectivity. NeuroReport, 2004, 15, 2595-2599.	0.6	33
27	CD47 regulation of epithelial cell spreading and migration, and its signal transduction. Cancer Science, 2006, 97, 889-895.	1.7	32
28	Trans-endocytosis of CD47 and SHPS-1 and its role in regulation of the CD47â€“SHPS-1 system. Journal of Cell Science, 2008, 121, 1213-1223.	1.2	32
29	Shp2 in Forebrain Neurons Regulates Synaptic Plasticity, Locomotion, and Memory Formation in Mice. Molecular and Cellular Biology, 2015, 35, 1557-1572.	1.1	32
30	Macrocyclic Peptide-Mediated Blockade of the CD47-SIRPÎ± Interaction as a Potential Cancer Immunotherapy. Cell Chemical Biology, 2020, 27, 1181-1191.e7.	2.5	32
31	Identification and characterization of E-APC, a novel Drosophila homologue of the tumour suppressor APC. Genes To Cells, 1999, 4, 465-474.	0.5	30
32	Signal Regulatory Protein Î± Regulates the Homeostasis of T Lymphocytes in the Spleen. Journal of Immunology, 2011, 187, 291-297.	0.4	28
33	Role of the Protein Tyrosine Phosphatase Shp2 in Homeostasis of the Intestinal Epithelium. PLoS ONE, 2014, 9, e92904.	1.1	28
34	SIRPÎ±⁺dendritic cells regulate homeostasis of fibroblastic reticular cells via TNF receptor ligands in the adult spleen. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10151-E10160.	3.3	27
35	The Role of Type-2 Conventional Dendritic Cells in the Regulation of Tumor Immunity. Cancers, 2022, 14, 1976.	1.7	27
36	Myelination triggers local loss of axonal CNR/protocadherinÎ± family protein expression. European Journal of Neuroscience, 2004, 20, 2843-2847.	1.2	26

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37	Dendritic cell SIRPÎ± regulates homeostasis of dendritic cells in lymphoid organs. Genes To Cells, 2015, 20, 451-463.	0.5	26
38	Decreased expression of Fyn protein and disbalanced alternative splicing patterns in platelets from patients with schizophrenia. Psychiatry Research, 2009, 168, 119-128.	1.7	25
39	Tyrosine phosphorylation of R3 subtype receptorâ€type protein tyrosine phosphatases and their complex formations with Grb2 or Fyn. Genes To Cells, 2010, 15, 513-524.	0.5	25
40	Regulation by Src Homology 2 Domain-Containing Protein Tyrosine Phosphatase Substrate-1 of Î±-Galactosylceramide-Induced Antimetastatic Activity and Th1 and Th2 Responses of NKT Cells. Journal of Immunology, 2007, 178, 6164-6172.	0.4	24
41	Promotion of cell spreading and migration by vascular endothelialâ€protein tyrosine phosphatase (VEâ€PTP) in cooperation with integrins. Journal of Cellular Physiology, 2010, 224, 195-204.	2.0	23
42	Shear Stress-induced Redistribution of Vascular Endothelial-Protein-tyrosine Phosphatase (VE-PTP) in Endothelial Cells and Its Role in Cell Elongation. Journal of Biological Chemistry, 2014, 289, 6451-6461.	1.6	23
43	Role of Src Family Kinases in Regulation of Intestinal Epithelial Homeostasis. Molecular and Cellular Biology, 2016, 36, 2811-2823.	1.1	23
44	Resistance to collagen-induced arthritis in SHPS-1 mutant mice. Biochemical and Biophysical Research Communications, 2008, 371, 561-566.	1.0	22
45	Negative regulation by SHPSâ€1 of Tollâ€like receptorâ€dependent proinflammatory cytokine production in macrophages. Genes To Cells, 2008, 13, 209-219.	0.5	21
46	Essential roles of SHPS-1 in induction of contact hypersensitivity of skin. Immunology Letters, 2008, 121, 52-60.	1.1	18
47	Roles of Src family kinase, Ras, and mTOR signaling in intestinal epithelial homeostasis and tumorigenesis. Cancer Science, 2021, 112, 16-21.	1.7	17
48	Expression of PTPRO in the interneurons of adult mouse olfactory bulb. Journal of Comparative Neurology, 2010, 518, 119-136.	0.9	16
49	Regulation by gut commensal bacteria of carcinoembryonic antigenâ€related cell adhesion molecule expression in the intestinal epithelium. Genes To Cells, 2015, 20, 578-589.	0.5	16
50	Role of lysophosphatidic acid in proliferation and differentiation of intestinal epithelial cells. PLoS ONE, 2019, 14, e0215255.	1.1	16
51	Essential roles of SIRPÎ± in homeostatic regulation of skin dendritic cells. Immunology Letters, 2011, 135, 100-107.	1.1	15
52	Expression of Src Homology 2 Domain-Containing Protein Tyrosine Phosphatase Substrate-1 in Pancreatic Î²-Cells and Its Role in Promotion of Insulin Secretion and Protection against Diabetes. Endocrinology, 2008, 149, 5662-5669.	1.4	14
53	Autoimmune animal models in the analysis of the CD47â€“SIRPÎ± signaling pathway. Methods, 2014, 65, 254-259.	1.9	13
54	Mutational Analysis of the Mechanism of Negative Regulation by Src Homology 2 Domain-Containing Protein Tyrosine Phosphatase Substrate-1 of Phagocytosis in Macrophages. Journal of Immunology, 2006, 177, 3123-3132.	0.4	11

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55	Hypothermiaâ€induced tyrosine phosphorylation of SIRPÎ± in the brain. Journal of Neurochemistry, 2012, 121, 891-902.	2.1	10
56	Role of SIRPÎ± in regulation of mucosal immunity in the intestine. Genes To Cells, 2010, 15, 1189-1200.	0.5	9
57	Regulation of Small Intestinal Epithelial Homeostasis by Tsc2-mTORC1 Signaling. Kobe Journal of Medical Sciences, 2019, 64, E200-E209.	0.2	9
58	Anticancer efficacy of monotherapy with antibodies to SIRPÎ±/SIRPÎ²1 mediated by induction of antitumorigenic macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	9
59	Regulation by commensal bacteria of neurogenesis in the subventricular zone of adult mouse brain. Biochemical and Biophysical Research Communications, 2018, 498, 824-829.	1.0	8
60	Regulation of colonic epithelial cell homeostasis by mTORC1. Scientific Reports, 2020, 10, 13810.	1.6	8
61	SIRPÎ± on CD11c⁺ cells induces Th17 cell differentiation and subsequent inflammation in the CNS in experimental autoimmune encephalomyelitis. European Journal of Immunology, 2020, 50, 1560-1570.	1.6	8
62	Role of Csk in intestinal epithelial barrier function and protection against colitis. Biochemical and Biophysical Research Communications, 2018, 504, 109-114.	1.0	6
63	SIRPÎ±⁺ dendritic cells promote the development of fibroblastic reticular cells in murine peripheral lymph nodes. European Journal of Immunology, 2019, 49, 1364-1371.	1.6	6
64	Blockade of CD47 or SIRPÎ±: a new cancer immunotherapy. Expert Opinion on Therapeutic Targets, 2020, 24, 945-951.	1.5	6
65	Letter to the Editor: 1H, 13C and 15N resonance assignments of the first cadherin domain of Cadherin-related neuronal receptor (CNR)/protocadherin Î±. Journal of Biomolecular NMR, 2005, 31, 365-366.	1.6	5
66	Requirement of SIRPÎ± for protective immunity against Leishmania major. Biochemical and Biophysical Research Communications, 2010, 401, 385-389.	1.0	5
67	Role of Ras in regulation of intestinal epithelial cell homeostasis and crosstalk with Wnt signaling. PLoS ONE, 2021, 16, e0256774.	1.1	2
68	Hypothermia-dependent and -independent effects of forced swim on the phosphorylation states of signaling molecules in mouse hippocampus. Biochemical and Biophysical Research Communications, 2012, 428, 475-481.	1.0	1
69	Microvillus-Specific Protein Tyrosine Phosphatase SAP-1 Plays a Role in Regulating the Intestinal Paracellular Transport of Macromolecules. Journal of Pharmaceutical Sciences, 2017, 106, 2904-2908.	1.6	1
70	Tyrosine-Protein Phosphatase Nonreceptor Type 11 (PTPN11). , 2018, , 5803-5811.		1
71	Future therapeutic potential of SAP-1 in inflammatory bowel diseases. Expert Review of Gastroenterology and Hepatology, 2016, 10, 1313-1315.	1.4	0
72	Impaired Proliferation and Th1 Differentiation of CD4+ T Cells of SHPS-1 Mutant Mice. Kitakanto Medical Journal, 2008, 58, 133-139.	0.0	0

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73	Tyrosine-Protein Phosphatase Non-receptor Type 11 (PTPN11). , 2017, , 1-9.		0
74	PTPRH. , 2017, , 1-8.		0
75	Sirpa. , 2017, , 1-7.		0
76	Sirpa. , 2018, , 4962-4968.		0
77	PTPRH. , 2018, , 4308-4315.		0
78	Role of SIRPÎ± in Homeostatic Regulation of T Cells and Fibroblastic Reticular Cells in the Spleen. Kobe Journal of Medical Sciences, 2017, 63, E22-E29.	0.2	0