

Shigeru Yanagi

List of Publications by Year in descending order

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74
papers

3,057
citations

159585

30
h-index

168389

53
g-index

76
all docs

76
docs citations

76
times ranked

4471
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel mitochondrial ubiquitin ligase plays a critical role in mitochondrial dynamics. <i>EMBO Journal</i> , 2006, 25, 3618-3626.	7.8	338
2	MITOL Regulates Endoplasmic Reticulum-Mitochondria Contacts via Mitofusin2. <i>Molecular Cell</i> , 2013, 51, 20-34.	9.7	250
3	Syk Expression and Novel Function in a Wide Variety of Tissues. <i>Biochemical and Biophysical Research Communications</i> , 2001, 288, 495-498.	2.1	154
4	Mitochondrial ubiquitin ligase MITOL blocks S-nitrosylated MAP1B-light chain 1-mediated mitochondrial dysfunction and neuronal cell death. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2382-2387.	7.1	119
5	Mitochondrial Ubiquitin Ligase MITOL Ubiquitinates Mutant SOD1 and Attenuates Mutant SOD1-induced Reactive Oxygen Species Generation. <i>Molecular Biology of the Cell</i> , 2009, 20, 4524-4530.	2.1	117
6	Intrinsic Cooperation between p16INK4a and p21Waf1/Cip1 in the Onset of Cellular Senescence and Tumor Suppression <i>in vivo</i> . <i>Cancer Research</i> , 2010, 70, 9381-9390.	0.9	107
7	Involvement of Fes/Fps tyrosine kinase in semaphorin3A signaling. <i>EMBO Journal</i> , 2002, 21, 3274-3285.	7.8	102
8	Lentivector-mediated rescue from cerebellar ataxia in a mouse model of spinocerebellar ataxia. <i>EMBO Reports</i> , 2008, 9, 393-399.	4.5	99
9	CD45 Modulates Phosphorylation of Both Autophosphorylation and Negative Regulatory Tyrosines of Lyn in B Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 30487-30492.	3.4	94
10	Distinct regulation of mitochondrial localization and stability of two human Sirt5 isoforms. <i>Genes To Cells</i> , 2011, 16, 190-202.	1.2	87
11	MITOL prevents ER stress-induced apoptosis by IRE1 \pm ubiquitylation at ER-mitochondria contact sites. <i>EMBO Journal</i> , 2019, 38, e100999.	7.8	81
12	A mitochondrial ubiquitin ligase MITOL controls cell toxicity of polyglutamine-expanded protein. <i>Mitochondrion</i> , 2011, 11, 139-146.	3.4	67
13	Identification of CRAM, a Novel unc-33 Gene Family Protein That Associates with CRMP3 and Protein-tyrosine Kinase(s) in the Developing Rat Brain. <i>Journal of Biological Chemistry</i> , 2000, 275, 27291-27302.	3.4	66
14	Roles of mitochondrial ubiquitin ligase MITOL/MARCH5 in mitochondrial dynamics and diseases. <i>Journal of Biochemistry</i> , 2014, 155, 273-279.	1.7	63
15	Mutant Ataxin-3 with an Abnormally Expanded Polyglutamine Chain Disrupts Dendritic Development and Metabotropic Glutamate Receptor Signaling in Mouse Cerebellar Purkinje Cells. <i>Cerebellum</i> , 2014, 13, 29-41.	2.5	63
16	Syk Is Required for the Activation of Akt Survival Pathway in B Cells Exposed to Oxidative Stress. <i>Journal of Biological Chemistry</i> , 2000, 275, 30873-30877.	3.4	62
17	Syk expression in endothelial cells and their morphologic defects in embryonic Syk-deficient mice. <i>Blood</i> , 2001, 98, 2869-2871.	1.4	60
18	A Critical Role for Syk in Endothelial Cell Proliferation and Migration. <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 195-199.	2.1	58

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19	Sox11 Balances Dendritic Morphogenesis with Neuronal Migration in the Developing Cerebral Cortex. <i>Journal of Neuroscience</i> , 2016, 36, 5775-5784.	3.6	57
20	The structure and function of nonreceptor tyrosine kinase p72syk expressed in hematopoietic cells. <i>Cellular Signalling</i> , 1995, 7, 185-193.	3.6	56
21	Protein-Tyrosine Kinase Syk Expressed in Human Nasal Fibroblasts and Its Effect on RANTES Production. <i>Journal of Immunology</i> , 2001, 166, 538-543.	0.8	53
22	Critical Role of Collapsin Response Mediator Protein-associated Molecule CRAM for Filopodia and Growth Cone Development in Neurons. <i>Molecular Biology of the Cell</i> , 2005, 16, 32-39.	2.1	49
23	IL-1 Induced Chemokine Production Through the Association of Syk with TNF Receptor-Associated Factor-6 in Nasal Fibroblast Lines. <i>Journal of Immunology</i> , 2001, 167, 283-288.	0.8	48
24	A novel GTPase, CRAG, mediates promyelocytic leukemia protein-associated nuclear body formation and degradation of expanded polyglutamine protein. <i>Journal of Cell Biology</i> , 2006, 172, 497-504.	5.2	48
25	CAMD1, a Novel Disrupted in Schizophrenia 1 (DISC1)-binding Protein, Is Required for Radial Migration*. <i>Journal of Biological Chemistry</i> , 2010, 285, 40554-40561.	3.4	45
26	Purification of a 72-kDa Protein-Tyrosine Kinase from Rat Liver and Its Identification as Syk: Involvement of Syk in Signaling Events of Hepatocytes. <i>Journal of Biochemistry</i> , 2000, 127, 321-327.	1.7	37
27	Phospholipase C β 3 Regulates RhoA/Rho Kinase Signaling and Neurite Outgrowth. <i>Journal of Biological Chemistry</i> , 2011, 286, 8459-8471.	3.4	36
28	MITOL/MARCH5 determines the susceptibility of cardiomyocytes to doxorubicin-induced ferroptosis by regulating GSH homeostasis. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 161, 116-129.	1.9	36
29	Syk protein-tyrosine kinase is involved in neuron-like differentiation of embryonal carcinoma P19 cells. <i>FEBS Letters</i> , 2001, 489, 129-133.	2.8	35
30	Isolation and expression of a novel mitochondrial septin that interacts with CRMP/CRAM in the developing neurones. <i>Genes To Cells</i> , 2003, 8, 81-93.	1.2	35
31	Role for Fes/Fps Tyrosine Kinase in Microtubule Nucleation through Its Fes/CIP4 Homology Domain. <i>Journal of Biological Chemistry</i> , 2003, 278, 49129-49133.	3.4	31
32	Direct Inhibition of TNF- α Promoter Activity by Fanconi Anemia Protein FANCD2. <i>PLoS ONE</i> , 2011, 6, e23324.	2.5	29
33	Translocation, Activation and Association of Protein-tyrosine Kinase (p72syk) with Phosphatidylinositol 3-Kinase are Early Events During Platelet Activation. <i>FEBS Journal</i> , 1994, 224, 329-333.	0.2	28
34	Phosphorylation and Recruitment of Syk by Immunoreceptor Tyrosine-based Activation Motif-based Phosphorylation of Tamalin. <i>Journal of Biological Chemistry</i> , 2004, 279, 32308-32315.	3.4	26
35	Evaluation of putative inhibitors of mitochondrial permeability transition for brain disorders – Specificity vs. toxicity. <i>Experimental Neurology</i> , 2009, 218, 353-362.	4.1	25
36	A critical role of Arf6 in the response of commissural axons to Slit. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	25

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37	MITOL deletion in the brain impairs mitochondrial structure and ER tethering leading to oxidative stress. <i>Life Science Alliance</i> , 2019, 2, e201900308.	2.8	25
38	Loss of DDHD2, whose mutation causes spastic paraplegia, promotes reactive oxygen species generation and apoptosis. <i>Cell Death and Disease</i> , 2018, 9, 797.	6.3	24
39	Psychiatric behaviors associated with cytoskeletal defects in radial neuronal migration. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3533-3552.	5.4	23
40	Overview of Mitochondrial E3 Ubiquitin Ligase MITOL/MARCH5 from Molecular Mechanisms to Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3781.	4.1	22
41	MITOL promotes cell survival by degrading Parkin during mitophagy. <i>EMBO Reports</i> , 2021, 22, e49097.	4.5	22
42	Cross-linking of the B cell receptor induces activation of phospholipase D through Syk, Btk and phospholipase C- β 2. <i>FEBS Letters</i> , 1999, 445, 371-374.	2.8	21
43	Mitochondrial ubiquitin ligase alleviates Alzheimer's disease pathology via blocking the toxic amyloid- β oligomer generation. <i>Communications Biology</i> , 2021, 4, 192.	4.4	19
44	Regulation of B cell differentiation by the ubiquitin-binding protein TAX1BP1. <i>Scientific Reports</i> , 2016, 6, 31266.	3.3	18
45	CRMP5-associated GTPase (CRAG) Protein Protects Neuronal Cells against Cytotoxicity of Expanded Polyglutamine Protein Partially via c-Fos-dependent Activator Protein-1 Activation. <i>Journal of Biological Chemistry</i> , 2011, 286, 33879-33889.	3.4	16
46	Rescue of CAMDI deletion-induced delayed radial migration and psychiatric behaviors by HDAC6 inhibitor. <i>EMBO Reports</i> , 2016, 17, 1785-1798.	4.5	16
47	The novel heart-specific RING finger protein 207 is involved in energy metabolism in cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 100, 43-53.	1.9	16
48	MAP1B- β -LC1 prevents autophagosome formation by linking syntaxin 17 to microtubules. <i>EMBO Reports</i> , 2018, 19, .	4.5	16
49	Mitochondrial Fragmentation Triggers Ineffective Hematopoiesis in Myelodysplastic Syndromes. <i>Cancer Discovery</i> , 2022, 12, 250-269.	9.4	14
50	Mitochondrial Dynamics Regulation in Skin Fibroblasts from Mitochondrial Disease Patients. <i>Biomolecules</i> , 2020, 10, 450.	4.0	13
51	Requirement of Syk-phospholipase C- β 2 pathway for phorbol ester-induced phospholipase D activation in DT40 cells. <i>Genes To Cells</i> , 2001, 6, 475-485.	1.2	12
52	Adhesion via CD43 Induces Syk Activation and Cell Proliferation in TF-1 Cells. <i>Biochemical and Biophysical Research Communications</i> , 2001, 288, 80-86.	2.1	11
53	Minocycline sensitizes rodent and human liver mitochondria to the permeability transition: Implications for toxicity in liver transplantation. <i>Hepatology</i> , 2010, 51, 347-348.	7.3	9
54	Mitochondrial retrograde signaling to the endoplasmic-reticulum regulates unfolded protein responses. <i>Molecular and Cellular Oncology</i> , 2019, 6, e1659078.	0.7	9

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55	Downregulation of <i>Centaurin gamma1A</i> increases synaptic transmission at <i>Drosophila</i> larval neuromuscular junctions. <i>European Journal of Neuroscience</i> , 2014, 40, 3158-3170.	2.6	7
56	CAMD1 interacts with the human memory-associated protein KIBRA and regulates AMPAR cell surface expression and cognition. <i>PLoS ONE</i> , 2019, 14, e0224967.	2.5	7
57	Protective roles of MITOL against myocardial senescence and ischemic injury partly via Drp1 regulation. <i>IScience</i> , 2022, 25, 104582.	4.1	7
58	Ubiquitination-dependent and -independent repression of target genes by SETDB1 reveal a context-dependent role for its methyltransferase activity during adipogenesis. <i>Genes To Cells</i> , 2021, 26, 513-529.	1.2	6
59	Potent anti-tumor effects of receptor-retargeted syncytial oncolytic herpes simplex virus. <i>Molecular Therapy - Oncolytics</i> , 2021, 22, 265-276.	4.4	6
60	MITOL regulates phosphatidic acid-binding activity of RMDN3/PTPIP51. <i>Journal of Biochemistry</i> , 2022, 171, 529-541.	1.7	6
61	Antibodies Directed against ZAP-70 Cross-React with a 66 kDa Tyrosine Kinase in the Rat Brain. <i>Biochemical and Biophysical Research Communications</i> , 1998, 245, 140-143.	2.1	5
62	Critical role of CRAG, a splicing variant of centaurin- β 3/AGAP3, in ELK1-dependent SRF activation at PML bodies. <i>Scientific Reports</i> , 2019, 9, 20107.	3.3	4
63	Forebrain-specific deficiency of the GTPase CRAG/Centaurin- β 3 leads to immature dentate gyri and hyperactivity in mice. <i>Journal of Biological Chemistry</i> , 2021, 296, 100620.	3.4	4
64	Identification of highest neurotoxic amyloid- β 2 plaque type showing reduced contact with astrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2021, 549, 67-74.	2.1	4
65	SaxsMDView: a three-dimensional graphics program for displaying force vectors. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 535-537.	2.4	3
66	Oscillation of Cdc20 ^{APC/C} -mediated CAMD1 stability is critical for cortical neuron migration. <i>Journal of Biological Chemistry</i> , 2021, 297, 100986.	3.4	3
67	MITOL dysfunction causes dwarfism with anterior pituitary hypoplasia. <i>Journal of Biochemistry</i> , 2020, 168, 305-312.	1.7	1
68	CAMD1 controls radial migration via centrosome regulation by myosin II-mediated β -tubulin dynamics. <i>Neuroscience Research</i> , 2010, 68, e139.	1.9	0
69	Functional analysis of Centaurin gamma1A in the synaptic transmission. <i>Neuroscience Research</i> , 2011, 71, e321-e322.	1.9	0
70	CRAG protects neuronal cells against cytotoxicity of expanded polyglutamine protein partially via c-fos-dependent AP-1 activation. <i>Neuroscience Research</i> , 2011, 71, e194.	1.9	0
71	Mitochondrial Ubiquitin Ligase MITOL/MARCH5. , 2016, , 1-7.		0
72	Mitochondrial Ubiquitin Ligase MITOL/MARCH5. , 2018, , 3130-3137.		0

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73	Dual Functions of Syntaxin 17 in Mitochondrial Division and Autophagosome Formation Are Coordinated by MAP1B-LC1. SSRN Electronic Journal, 0, , .	0.4	0
74	Explant Culture of the Embryonic Mouse Spinal Cord and Gene Transfer by ex vivo Electroporation. Bio-protocol, 2019, 9, e3373.	0.4	0