

Jacek Kuznicki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/711001/publications.pdf>

Version: 2024-02-01

115
papers

4,258
citations

81743

39
h-index

133063

59
g-index

119
all docs

119
docs citations

119
times ranked

5167
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium ions in neuronal degeneration. IUBMB Life, 2008, 60, 575-590.	1.5	261
2	Calcium dysregulation in Alzheimer's disease. Neurochemistry International, 2008, 52, 621-633.	1.9	176
3	CacyBP/SIP, a Calcyclin and Siah-1-interacting Protein, Binds EF-hand Proteins of the S100 Family. Journal of Biological Chemistry, 2002, 277, 28848-28852.	1.6	126
4	Profile of 6 microRNA in blood plasma distinguish early stage Alzheimer's disease patients from non-demented subjects. Oncotarget, 2017, 8, 16122-16143.	0.8	122
5	Differential Roles for STIM1 and STIM2 in Store-Operated Calcium Entry in Rat Neurons. PLoS ONE, 2011, 6, e19285.	1.1	118
6	Human Sgt1 Binds HSP90 through the CHORD-Sgt1 Domain and Not the Tetratricopeptide Repeat Domain. Journal of Biological Chemistry, 2004, 279, 16511-16517.	1.6	107
7	Similarity in Ca ²⁺ -induced changes between troponin-C and protein activator of 3',5'-cyclic nucleotide phosphodiesterase and their tryptic fragments. Biochimica Et Biophysica Acta - Biomembranes, 1977, 485, 124-133.	1.4	97
8	Comparison of the actin binding and filament formation properties of phosphorylated and dephosphorylated Acanthamoeba myosin II. Biochemistry, 1982, 21, 6910-6915.	1.2	92
9	Expression of STIM1 in brain and puncta-like co-localization of STIM1 and ORAI1 upon depletion of Ca ²⁺ store in neurons. Neurochemistry International, 2009, 54, 49-55.	1.9	91
10	Characterization of tryptic fragments obtained from bovine brain protein modulator of cyclic nucleotide phosphodiesterase. Journal of Biological Chemistry, 1977, 252, 7440-3.	1.6	91
11	SOCE in neurons: Signaling or just refilling?. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1940-1952.	1.9	90
12	Molecular Cloning and Expression of a Mouse Brain cDNA Encoding a Novel Protein Target of Calcyclin. Journal of Neurochemistry, 1998, 70, 1793-1798.	2.1	87
13	Mutations in presenilin 1, presenilin 2 and amyloid precursor protein genes in patients with early-onset Alzheimer's disease in Poland. Experimental Neurology, 2003, 184, 991-996.	2.0	83
14	Presenilin-dependent expression of STIM proteins and dysregulation of capacitative Ca ²⁺ entry in familial Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1050-1057.	1.9	75
15	Cognitive flexibility and long-term depression (LTD) are impaired following β -catenin stabilization in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8631-8636.	3.3	75
16	Inhibition of the mitochondrial calcium uniporter rescues dopaminergic neurons in <i>pink1</i> ^Δ zebrafish. European Journal of Neuroscience, 2017, 45, 528-535.	1.2	74
17	Distribution of Calretinin, Calbindin D28k, and Parvalbumin in Subcellular Fractions of Rat Cerebellum: Effects of Calcium. Journal of Neurochemistry, 1995, 65, 381-388.	2.1	71
18	Calcium-regulated Interaction of Sgt1 with S100A6 (Calcyclin) and Other S100 Proteins. Journal of Biological Chemistry, 2003, 278, 26923-26928.	1.6	71

#	ARTICLE	IF	CITATIONS
19	Neuronal calcium signaling via store-operated channels in health and disease. <i>Cell Calcium</i> , 2018, 74, 102-111.	1.1	67
20	Store-operated calcium entry modulates neuronal network activity in a model of chronic epilepsy. <i>Experimental Neurology</i> , 2011, 232, 185-194.	2.0	65
21	The ER and ageing II: Calcium homeostasis. <i>Ageing Research Reviews</i> , 2009, 8, 160-172.	5.0	64
22	Two novel presenilin 1 gene mutations connected with frontotemporal dementia-like clinical phenotype: Genetic and bioinformatic assessment. <i>Experimental Neurology</i> , 2006, 200, 82-88.	2.0	57
23	Molecular anatomy of the thalamic complex and the underlying transcription factors. <i>Brain Structure and Function</i> , 2016, 221, 2493-2510.	1.2	56
24	LEF1/ β -Catenin Complex Regulates Transcription of the Cav3.1 Calcium Channel Gene (<i>Cacna1g</i>) in Thalamic Neurons of the Adult Brain. <i>Journal of Neuroscience</i> , 2010, 30, 4957-4969.	1.7	55
25	Calcyclin is a calcium and zinc binding protein. <i>FEBS Letters</i> , 1990, 264, 263-266.	1.3	54
26	Tissue specific distribution of calyculin - 10.5 kDa Ca ²⁺ -binding protein. <i>FEBS Letters</i> , 1989, 254, 141-144.	1.3	53
27	Characterization of the cell-cycle-regulated protein calyculin from Ehrlich ascites tumor cells. Identification of two binding proteins obtained by Ca ²⁺ -dependent affinity chromatography. <i>FEBS Journal</i> , 1991, 195, 795-800.	0.2	51
28	Ca ²⁺ -dependent Translocation of the Calyculin-binding Protein in Neurons and Neuroblastoma NB-2a Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 21103-21109.	1.6	51
29	Hsp70 is a new target of Sgt1—an interaction modulated by S100A6. <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 1148-1153.	1.0	51
30	Native STIM2 and ORAI1 proteins form a calcium-sensitive and thapsigargin-insensitive complex in cortical neurons. <i>Journal of Neurochemistry</i> , 2013, 126, 727-738.	2.1	51
31	Calcyclin—Ca ²⁺ -binding protein homologous to glial S-100 β is present in neurones. <i>NeuroReport</i> , 1993, 4, 383-386.	0.6	49
32	Calcyclin (S100A6) Binding Protein (CacyBP) Is Highly Expressed in Brain Neurons. <i>Journal of Histochemistry and Cytochemistry</i> , 2000, 48, 1195-1202.	1.3	49
33	Genetic alterations in accelerated ageing syndromes. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 947-960.	1.2	47
34	Association study of cholesterol-related genes in Alzheimer's disease. <i>Neurogenetics</i> , 2007, 8, 179-188.	0.7	47
35	Immunolocalization of STIM1 in the mouse brain. <i>Acta Neurobiologiae Experimentalis</i> , 2009, 69, 413-28.	0.4	47
36	The mammalian CHORD-containing protein melusin is a stress response protein interacting with Hsp90 and Sgt1. <i>FEBS Letters</i> , 2008, 582, 1788-1794.	1.3	46

#	ARTICLE	IF	CITATIONS
37	Restriction of mitochondrial calcium overload by <i>mcu</i> inactivation renders neuroprotective effect in Zebrafish models of Parkinson's disease. <i>Biology Open</i> , 2019, 8, .	0.6	45
38	Expression of genes encoding the calcium signalosome in cellular and transgenic models of Huntington's disease. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 42.	1.4	43
39	Characterization of the Interaction of Calcyclin (S100A6) and Calcyclin-binding Protein. <i>Journal of Biological Chemistry</i> , 2000, 275, 31178-31182.	1.6	40
40	Calcyclin (S100A6) expression is stimulated by agents evoking oxidative stress via the antioxidant response element. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2005, 1744, 29-37.	1.9	40
41	Overexpression of STIM1 in neurons in mouse brain improves contextual learning and impairs long-term depression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 1071-1087.	1.9	38
42	The Modular Structure of SIP Facilitates Its Role in Stabilizing Multiprotein Assemblies,. <i>Biochemistry</i> , 2005, 44, 9462-9471.	1.2	37
43	CacyBP/SIP interacts with tubulin in neuroblastoma NB2a cells and induces formation of globular tubulin assemblies. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 1628-1636.	1.9	37
44	Novel β -catenin target genes identified in thalamic neurons encode modulators of neuronal excitability. <i>BMC Genomics</i> , 2012, 13, 635.	1.2	36
45	Alzheimer's Disease Modeling: Ups, Downs, and Perspectives for Human Induced Pluripotent Stem Cells. <i>Journal of Alzheimer's Disease</i> , 2013, 34, 563-588.	1.2	34
46	Cognitive Performance and Functional Status Are the Major Factors Predicting Survival of Centenarians in Poland. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2014, 69, 1269-1275.	1.7	34
47	Biochemical characterization and expression analysis of a novel EF-hand Ca ²⁺ binding protein calmyrin2 (Cib2) in brain indicates its function in NMDA receptor mediated Ca ²⁺ signaling. <i>Archives of Biochemistry and Biophysics</i> , 2009, 487, 66-78.	1.4	33
48	AMPA Receptors Are Involved in Store-Operated Calcium Entry and Interact with STIM Proteins in Rat Primary Cortical Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 251.	1.8	32
49	Sgt1 has co-chaperone properties and is up-regulated by heat shock. <i>Biochemical and Biophysical Research Communications</i> , 2008, 370, 179-183.	1.0	31
50	Biological and Medical Importance of Cellular Heterogeneity Deciphered by Single-Cell RNA Sequencing. <i>Cells</i> , 2020, 9, 1751.	1.8	31
51	Variation in NPC1, the gene encoding Niemann-Pick C1, a protein involved in intracellular cholesterol transport, is associated with Alzheimer disease and/or aging in the Polish population. <i>Neuroscience Letters</i> , 2008, 447, 153-157.	1.0	29
52	Cell cycle regulation distinguishes lymphocytes from sporadic and familial Alzheimer's disease patients. <i>Neurobiology of Aging</i> , 2011, 32, 2319.e13-2319.e26.	1.5	29
53	Involvement of S100A6 (calcyclin) and its binding partners in intracellular signaling pathways. <i>Advances in Enzyme Regulation</i> , 2008, 48, 225-239.	2.9	28
54	Highly Pathogenic Alzheimer's Disease Presenilin 1 P117R Mutation Causes a specific Increase in p53 and p21 Protein Levels and Cell Cycle Dysregulation in Human Lymphocytes. <i>Journal of Alzheimer's Disease</i> , 2012, 32, 397-415.	1.2	27

#	ARTICLE	IF	CITATIONS
55	Analysis of calcium homeostasis in fresh lymphocytes from patients with sporadic Alzheimer's disease or mild cognitive impairment. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1692-1699.	1.9	27
56	Calretinin and calbindin D28k have different domain organizations. <i>Protein Science</i> , 2003, 12, 180-184.	3.1	26
57	Novel calcineurin A (PPP3CA) variant associated with epilepsy, constitutive enzyme activation and downregulation of protein expression. <i>European Journal of Human Genetics</i> , 2019, 27, 61-69.	1.4	26
58	Identification of Ca ²⁺ -binding subunit of myosin light chain kinase from skeletal muscle with modulator protein. <i>FEBS Letters</i> , 1978, 90, 301-304.	1.3	25
59	Phosphorylation of myosin in non-muscle and smooth muscle cells. <i>FEBS Letters</i> , 1986, 204, 169-176.	1.3	24
60	Morgana/CHP-1 is a novel chaperone able to protect cells from stress. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2010, 1803, 1043-1049.	1.9	23
61	Tetrahydrocarbazoles decrease elevated SOCE in medium spiny neurons from transgenic YAC128 mice, a model of Huntington's disease. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 1194-1205.	1.0	23
62	Epigenetic Control of the S100A6 (Calcyclin) Gene Expression. <i>Journal of Investigative Dermatology</i> , 2007, 127, 2307-2314.	0.3	22
63	Targeting mitochondrial calcium pathways as a potential treatment against Parkinson's disease. <i>Cell Calcium</i> , 2020, 89, 102216.	1.1	22
64	Conformational changes and calcium binding by calretinin and its recombinant fragments containing different sets of EF hand motifs. <i>Biochemistry</i> , 1995, 34, 15389-15394.	1.2	21
65	A model for target protein binding to calcium-activated S100 dimers. <i>FEBS Letters</i> , 1998, 421, 175-179.	1.3	21
66	Strong association between Saitohin gene polymorphism and tau haplotype in the Polish population. <i>Neuroscience Letters</i> , 2003, 348, 163-166.	1.0	21
67	Density of Sgt1-immunopositive neurons is decreased in the cerebral cortex of Alzheimer's disease brain. <i>Neurochemistry International</i> , 2006, 49, 487-493.	1.9	21
68	Polish Centenarians Programme – Multidisciplinary studies of successful ageing: Aims, methods, and preliminary results. <i>Experimental Gerontology</i> , 2008, 43, 238-244.	1.2	21
69	Upstream stimulatory factor is involved in the regulation of the human calcyclin (S100A6) gene. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000, 1517, 73-81.	2.4	20
70	Structural and biochemical characterization of neuronal calretinin domain I-II (residues 1-100). <i>FEBS Journal</i> , 2001, 268, 6229-6237.	0.2	20
71	Knockdown of amyloid precursor protein increases calcium levels in the endoplasmic reticulum. <i>Scientific Reports</i> , 2017, 7, 14512.	1.6	20
72	STIM Protein-NMDA2 Receptor Interaction Decreases NMDA-Dependent Calcium Levels in Cortical Neurons. <i>Cells</i> , 2020, 9, 160.	1.8	19

#	ARTICLE	IF	CITATIONS
73	Ca ²⁺ -independent binding and cellular expression profiles question a significant role of calmyrin in transduction of Ca ²⁺ -signals to Alzheimer's disease-related presenilin 2 in forebrain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006, 1762, 66-72.	1.8	18
74	Development and Implementation of a High-Throughput Compound Screening Assay for Targeting Disrupted ER Calcium Homeostasis in Alzheimer's Disease. <i>PLoS ONE</i> , 2013, 8, e80645.	1.1	18
75	Huntingtin-Associated Protein 1A Regulates Store-Operated Calcium Entry in Medium Spiny Neurons From Transgenic YAC128 Mice, a Model of Huntington's Disease. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 381.	1.8	18
76	FRET-Based Calcium Imaging: A Tool for High-Throughput/Content Phenotypic Drug Screening in Alzheimer Disease. <i>Journal of Biomolecular Screening</i> , 2013, 18, 1309-1320.	2.6	17
77	ST8SIA2 promotes oligodendrocyte differentiation and the integrity of myelin and axons. <i>Glia</i> , 2017, 65, 34-49.	2.5	17
78	Calcyclin from mouse Ehrlich ascites tumor cells and rabbit lung form non-covalent dimers. <i>BBA - Proteins and Proteomics</i> , 1994, 1209, 248-252.	2.1	16
79	WNT Protein-independent Constitutive Nuclear Localization of β -Catenin Protein and Its Low Degradation Rate in Thalamic Neurons. <i>Journal of Biological Chemistry</i> , 2011, 286, 31781-31788.	1.6	16
80	Measurements of [Ca ²⁺] using fura-2 in glioma C6 cells expressing calretinin with GFP as a marker of transfection: no Ca ²⁺ -buffering provided by calretinin. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1999, 1449, 169-177.	1.9	15
81	Mutation Screening of the <i>MAPT</i> and <i>STH</i> Genes in Polish Patients with Clinically Diagnosed Frontotemporal Dementia. <i>Dementia and Geriatric Cognitive Disorders</i> , 2003, 16, 126-131.	0.7	15
82	The E318G substitution in PSEN1 gene is not connected with Alzheimer's disease in a large Polish cohort. <i>Neuroscience Letters</i> , 2004, 357, 167-170.	1.0	13
83	TCF7L2 mediates the cellular and behavioral response to chronic lithium treatment in animal models. <i>Neuropharmacology</i> , 2017, 113, 490-501.	2.0	13
84	Changes in Calcium Homeostasis and Gene Expression Implicated in Epilepsy in Hippocampi of Mice Overexpressing ORAI1. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5539.	1.8	13
85	Behavioral and electrophysiological changes in female mice overexpressing ORAI1 in neurons. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1137-1150.	1.9	13
86	AP2-like cis element is required for calretinin gene promoter activity in cells of neuronal phenotype differentiated from multipotent human cell line DEV. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2002, 1577, 412-420.	2.4	12
87	The mouse calretinin gene promoter region: structural and functional components. <i>Molecular Brain Research</i> , 1997, 49, 175-187.	2.5	11
88	Identification of Zebrafish Calcium Toolkit Genes and their Expression in the Brain. <i>Genes</i> , 2019, 10, 230.	1.0	11
89	stim2b Knockout Induces Hyperactivity and Susceptibility to Seizures in Zebrafish Larvae. <i>Cells</i> , 2020, 9, 1285.	1.8	11
90	Calretinin gene promoter activity is differently regulated in neurons and cancer cells. Role of AP2-like cis element and zinc ions. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2004, 1678, 14-21.	2.4	10

#	ARTICLE	IF	CITATIONS
91	Distribution of troponin C and protein activator of 3',5'-cyclic nucleotide phosphodiesterase in vertebrate tissues. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1978, 60, 1-6.	0.2	9
92	Phosphorylation of myosin in smooth muscle and non-muscle cells. In vitro and in vivo effects. <i>International Journal of Biochemistry & Cell Biology</i> , 1988, 20, 559-568.	0.8	8
93	Use of <i>Pichia pastoris</i> for the Expression, Purification, and Characterization of Rat Calretinin α -EF-Hand Domains. <i>Protein Expression and Purification</i> , 1999, 17, 465-476.	0.6	8
94	npc2-Deficient Zebrafish Reproduce Neurological and Inflammatory Symptoms of Niemann-Pick Type C Disease. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 647860.	1.8	8
95	Knockout of stim2a Increases Calcium Oscillations in Neurons and Induces Hyperactive-Like Phenotype in Zebrafish Larvae. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6198.	1.8	7
96	Transgenic Mice Overexpressing Human STIM2 and ORAI1 in Neurons Exhibit Changes in Behavior and Calcium Homeostasis but Show No Signs of Neurodegeneration. <i>International Journal of Molecular Sciences</i> , 2020, 21, 842.	1.8	7
97	Distribution and Level of Calcyclin in Normal Rat Tissues and in Experimentally Induced Liver Cirrhosis Biliaris.. <i>Acta Histochemica Et Cytochemica</i> , 1994, 27, 205-218.	0.8	6
98	Characterization of calretinin I-II as an EF-hand, Ca ²⁺ , H ⁺ -sensing domain. <i>Protein Science</i> , 2005, 14, 1879-1887.	3.1	6
99	Calmyrin1 binds to SCG10 protein (stathmin2) to modulate neurite outgrowth. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1025-1037.	1.9	6
100	Binding and functional characteristics of two E-box motifs within the S100A6 (calcyclin) gene promoter. <i>Journal of Cellular Biochemistry</i> , 2006, 97, 1017-1024.	1.2	5
101	Evolutionary context can clarify gene names: Teleosts as a case study. <i>BioEssays</i> , 2021, 43, e2000258.	1.2	5
102	Characterization of calcyclin fragments obtained by CNBr-cleavage. <i>International Journal of Biochemistry & Cell Biology</i> , 1993, 25, 999-1007.	0.8	4
103	Calcyclin as a Marker of Intrahepatic Biliary Ducts in Transplanted Livers.. <i>Acta Histochemica Et Cytochemica</i> , 1993, 26, 397-404.	0.8	4
104	Siah-1-interacting protein regulates mutated huntingtin protein aggregation in Huntington's disease models. <i>Cell and Bioscience</i> , 2022, 12, 34.	2.1	4
105	Purification of myosin from ehrlich ascites tumour cells (phosphorylation of its light chain and) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	3
106	Biochemical properties of endogenous presenilin 1 and presenilin 2 in cultured human B-lymphocytes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007, 45, 1273-6.	1.4	3
107	Be Healthy as a Fish Educational Program at the International Institute of Molecular and Cell Biology in Warsaw, Poland. <i>Zebrafish</i> , 2016, 13, 266-271.	0.5	3
108	Microscopic analysis of Orai-mediated store-operated calcium entry in cells with experimentally altered levels of amyloid precursor protein. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 1087-1092.	1.0	3

#	ARTICLE	IF	CITATIONS
109	Calcyclin--from basic research to clinical implications. Acta Biochimica Polonica, 1993, 40, 321-7.	0.3	3
110	Higher <i>ATM</i> expression in lymphoblastoid cell lines from centenarian compared with younger women. Drug Development Research, 0, , .	1.4	2
111	Calcyclin-Like Protein from Ehrlich Ascites Tumour Cells - Ca ²⁺ -Binding Properties, Distribution and Target Protein. Advances in Experimental Medicine and Biology, 1990, 269, 149-152.	0.8	1
112	Calcyclin, from Gene to Protein. , 1991, , 157-167.		1
113	Calcyclin-like protein from Ehrlich ascites tumour cells. Ca ²⁺ and Zn ²⁺ binding, distribution and target protein. Acta Biochimica Polonica, 1990, 37, 99-101.	0.3	1
114	CacyBP IS PRESENT IN NEURONS OF RAT BRAIN. Biochemical Society Transactions, 2000, 28, A443-A443.	1.6	0
115	Ukrainian science needs elixir of youth. Nature, 2015, 522, 34-34.	13.7	0