

# Beat Schwaller

## List of Publications by Year in descending order

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138  
papers

8,477  
citations

53751

45  
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49868

87  
g-index

145  
all docs

145  
docs citations

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times ranked

9511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Forchlorfenuron and Novel Analogs Cause Cytotoxic Effects in Untreated and Cisplatin-Resistant Malignant Mesothelioma-Derived Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3963.	1.8	2
2	Cytosolic Ca <sup>2+</sup> Buffers Are Inherently Ca <sup>2+</sup> Signal Modulators. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a035543.	2.3	52
3	Amyloid pathology produced unexpected modifications of calcium homeostasis in hippocampal subicular dendrites. <i>Alzheimer's and Dementia</i> , 2020, 16, 251-261.	0.4	9
4	Parvalbumin-Deficiency Accelerates the Age-Dependent ROS Production in Pvalb Neurons in vivo: Link to Neurodevelopmental Disorders. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 571216.	1.8	13
5	The Parvalbumin Hypothesis of Autism Spectrum Disorder. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 577525.	1.8	48
6	Absence of parvalbumin increases mitochondria volume and branching of dendrites in inhibitory Pvalb neurons in vivo: a point of convergence of autism spectrum disorder (ASD) risk gene phenotypes. <i>Molecular Autism</i> , 2020, 11, 47.	2.6	18
7	Profiling parvalbumin interneurons using iPSC: challenges and perspectives for Autism Spectrum Disorder (ASD). <i>Molecular Autism</i> , 2020, 11, 10.	2.6	10
8	Parvalbumin expression in oligodendrocyte-like CG4 cells causes a reduction in mitochondrial volume, attenuation in reactive oxygen species production and a decrease in cell processes length and branching. <i>Scientific Reports</i> , 2019, 9, 10603.	1.6	11
9	Modulation of Calretinin Expression in Human Mesothelioma Cells Reveals the Implication of the FAK and Wnt Signaling Pathways in Conferring Chemoresistance towards Cisplatin. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5391.	1.8	10
10	Extending the Mathematical Palette for Developmental Pattern Formation: Piebaldism. <i>Bulletin of Mathematical Biology</i> , 2019, 81, 1461-1478.	0.9	3
11	Inducible and reversible silencing of the Pvalb gene in mice: An in vitro and in vivo study. <i>European Journal of Neuroscience</i> , 2019, 50, 2694-2706.	1.2	3
12	The Complex Crosstalk between Parvalbumin and Mitochondria Regulation through Changes in Mitochondrial Dynamics. <i>Biophysical Journal</i> , 2019, 116, 272a.	0.2	0
13	Editorial: Neuronal Calcium Sensors in Health and Disease. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 278.	1.4	4
14	The phytohormone forchlorfenuron decreases viability and proliferation of malignant mesothelioma cells <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2019, 10, 6944-6956.	0.8	13
15	How asbestos drives the tissue towards tumors: YAP activation, macrophage and mesothelial precursor recruitment, RNA editing, and somatic mutations. <i>Oncogene</i> , 2018, 37, 2645-2659.	2.6	53
16	Biological noise and positional effects influence cell stemness. <i>Journal of Biological Chemistry</i> , 2018, 293, 5247-5258.	1.6	5
17	Parvalbumin neurons as a hub in autism spectrum disorders. <i>Journal of Neuroscience Research</i> , 2018, 96, 360-361.	1.3	22
18	17- $\beta$ estradiol increases parvalbumin levels in Pvalb heterozygous mice and attenuates behavioral phenotypes with relevance to autism core symptoms. <i>Molecular Autism</i> , 2018, 9, 15.	2.6	29

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19	Menthol evokes Ca <sup>2+</sup> signals and induces oxidative stress independently of the presence of TRPM8 (menthol) receptor in cancer cells. <i>Redox Biology</i> , 2018, 14, 439-449.	3.9	31
20	Calretinin Functions in Malignant Mesothelioma Cells Cannot Be Replaced by the Closely Related Ca <sup>2+</sup> -Binding Proteins Calbindin-D28k and Parvalbumin. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4015.	1.8	4
21	Parvalbumin alters mitochondrial dynamics and affects cell morphology. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4643-4666.	2.4	12
22	Absence of calretinin protein expression in malignant mesotheliomas from asbestos-exposed NF2+/+ mice and mouse mesothelioma cell lines from various mouse strains. <i>Biomarker Research</i> , 2018, 6, 19.	2.8	0
23	Regulation of calretinin in malignant mesothelioma is mediated by septin 7 binding to the CALB2 promoter. <i>BMC Cancer</i> , 2018, 18, 475.	1.1	87
24	Putative cancer stem cells may be the key target to inhibit cancer cell repopulation between the intervals of chemoradiation in murine mesothelioma. <i>BMC Cancer</i> , 2018, 18, 471.	1.1	19
25	Dysregulation of Parvalbumin Expression in the Cntnap2 <sup>-/-</sup> Mouse Model of Autism Spectrum Disorder. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 262.	1.4	59
26	Characterization and potential roles of calretinin in rodent spermatozoa. <i>Cell Calcium</i> , 2018, 74, 94-101.	1.1	2
27	Calretinin promotes invasiveness and EMT in malignant mesothelioma cells involving the activation of the FAK signaling pathway. <i>Oncotarget</i> , 2018, 9, 36256-36272.	0.8	19
28	Stem Cell Factor-Based Identification and Functional Properties of In Vitro-Selected Subpopulations of Malignant Mesothelioma Cells. <i>Stem Cell Reports</i> , 2017, 8, 1005-1017.	2.3	25
29	Posttranscriptional Regulation Controls Calretinin Expression in Malignant Pleural Mesothelioma. <i>Frontiers in Genetics</i> , 2017, 8, 70.	1.1	12
30	Targeting breast cancer cells by MRS1477, a positive allosteric modulator of TRPV1 channels. <i>PLoS ONE</i> , 2017, 12, e0179950.	1.1	32
31	Parvalbumin and autism: different causes, same effect?. <i>Oncotarget</i> , 2017, 8, 7222-7223.	0.8	9
32	Prenatal Valproate Exposure Differentially Affects Parvalbumin-Expressing Neurons and Related Circuits in the Cortex and Striatum of Mice. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 150.	1.4	71
33	Activation of endogenous TRPV1 fails to induce overstimulation-based cytotoxicity in breast and prostate cancer cells but not in pain-sensing neurons. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2054-2064.	1.9	39
34	Endogenous TRPV1 stimulation leads to the activation of the inositol phospholipid pathway necessary for sustained Ca <sup>2+</sup> oscillations. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2905-2915.	1.9	16
35	Reduction in parvalbumin expression not loss of the parvalbumin-expressing GABA interneuron subpopulation in genetic parvalbumin and shank mouse models of autism. <i>Molecular Brain</i> , 2016, 9, 10.	1.3	208
36	The Effect of Gap Junctional Coupling on the Spatiotemporal Patterns of Ca <sup>2+</sup> Signals and the Harmonization of Ca <sup>2+</sup> -Related Cellular Responses. <i>PLoS Computational Biology</i> , 2016, 12, e1005295.	1.5	9

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37	Identification of <i>cis</i> - and <i>trans</i> -acting elements regulating calretinin expression in mesothelioma cells. <i>Oncotarget</i> , 2016, 7, 21272-21286.	0.8	17
38	Mouse Mesothelium-Derived Cell Lines: Models to Assess Cytotoxic Effects of Novel Nanomaterials & <i>in vitro</i> and to Ultimately Investigating Carcinogenesis & <i>in vivo</i> . <i>Toxicology International</i> , 2016, 23, 178.	0.1	1
39	Overexpression or absence of calretinin in mouse primary mesothelial cells inversely affects proliferation and cell migration. <i>Respiratory Research</i> , 2015, 16, 153.	1.4	18
40	Antagonistic Regulation of Parvalbumin Expression and Mitochondrial Calcium Handling Capacity in Renal Epithelial Cells. <i>PLoS ONE</i> , 2015, 10, e0142005.	1.1	28
41	Characterization and modeling of Ca <sup>2+</sup> oscillations in mouse primary mesothelial cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 632-645.	1.9	15
42	EF-hand protein Ca <sup>2+</sup> buffers regulate Ca <sup>2+</sup> influx and exocytosis in sensory hair cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1028-37.	3.3	88
43	Establishment of immortalized murine mesothelial cells and a novel mesothelioma cell line. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 714-721.	0.7	33
44	The EF-hand Ca <sup>2+</sup> -binding protein super-family: A genome-wide analysis of gene expression patterns in the adult mouse brain. <i>Neuroscience</i> , 2015, 294, 116-155.	1.1	46
45	Lack of parvalbumin in mice leads to behavioral deficits relevant to all human autism core symptoms and related neural morphofunctional abnormalities. <i>Translational Psychiatry</i> , 2015, 5, e525-e525.	2.4	231
46	Routes of Ca <sup>2+</sup> Shuttling during Ca <sup>2+</sup> Oscillations. <i>Journal of Biological Chemistry</i> , 2015, 290, 28214-28230.	1.6	19
47	Subcellular structural plasticity caused by the absence of the fast Ca <sup>2+</sup> buffer calbindin D-28k in recurrent collaterals of cerebellar Purkinje neurons. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 364.	1.8	5
48	Calretinin: from a simple Ca <sup>2+</sup> buffer to a multifunctional protein implicated in many biological processes. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 3.	0.9	105
49	Parvalbumin Tunes Spike-Timing and Efferent Short-Term Plasticity in Striatal Fast Spiking Interneurons. <i>Biophysical Journal</i> , 2014, 106, 529a.	0.2	0
50	Evaluation of the toxicity of graphene derivatives on cells of the lung luminal surface. <i>Carbon</i> , 2013, 64, 45-60.	5.4	94
51	Mechanism of capsaicin receptor TRPV1-mediated toxicity in pain-sensing neurons focusing on the effects of Na <sup>+</sup> /Ca <sup>2+</sup> fluxes and the Ca <sup>2+</sup> -binding protein calretinin. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1680-1691.	1.9	50
52	Restricted diffusion of calretinin in cerebellar granule cell dendrites implies Ca <sup>2+</sup> -dependent interactions via its EF-hand 5 domain. <i>Journal of Physiology</i> , 2013, 591, 3887-3899.	1.3	12
53	The effect of parvalbumin deficiency on the acoustic startle response and prepulse inhibition in mice. <i>Neuroscience Letters</i> , 2013, 553, 216-220.	1.0	12
54	Visual thalamocortical circuits in parvalbumin-deficient mice. <i>Brain Research</i> , 2013, 1536, 107-118.	1.1	10

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55	Parvalbumin tunes spike-timing and efferent short-term plasticity in striatal fast spiking interneurons. <i>Journal of Physiology</i> , 2013, 591, 3215-3232.	1.3	75
56	Calretinin is essential for mesothelioma cell growth/survival in vitro: A potential new target for malignant mesothelioma therapy?. <i>International Journal of Cancer</i> , 2013, 133, 2077-2088.	2.3	42
57	The calcium-binding protein parvalbumin modulates the firing properties of the reticular thalamic nucleus bursting neurons. <i>Journal of Neurophysiology</i> , 2013, 109, 2827-2841.	0.9	41
58	Calretinin Regulates Ca <sup>2+</sup> -dependent Inactivation and Facilitation of Cav2.1 Ca <sup>2+</sup> Channels through a Direct Interaction with the $\alpha$ 12.1 Subunit. <i>Journal of Biological Chemistry</i> , 2012, 287, 39766-39775.	1.6	27
59	Parvalbumin: calcium and magnesium buffering in the distal nephron. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 3988-3994.	0.4	31
60	The use of transgenic mouse models to reveal the functions of Ca <sup>2+</sup> buffer proteins in excitable cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1294-1303.	1.1	70
61	The Regulation of a Cell's Ca <sup>2+</sup> Signaling Toolkit: The Ca <sup>2+</sup> Homeostasome. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 1-25.	0.8	48
62	Absence of the calcium-binding protein calretinin, not of calbindin D-28k, causes a permanent impairment of murine adult hippocampal neurogenesis. <i>Frontiers in Molecular Neuroscience</i> , 2012, 5, 56.	1.4	36
63	The Neuronal Functions of EF-Hand Ca <sup>2+</sup> -Binding Proteins. <i>Frontiers in Molecular Neuroscience</i> , 2012, 5, 92.	1.4	11
64	The absence of the calcium-buffering protein calbindin is associated with faster age-related decline in hippocampal metabolism. <i>Hippocampus</i> , 2012, 22, 1107-1120.	0.9	32
65	Inverse Regulation of the Cytosolic Ca <sup>2+</sup> Buffer Parvalbumin and Mitochondrial Volume in Muscle Cells via SIRT1/PGC-1 $\alpha$ Axis. <i>PLoS ONE</i> , 2012, 7, e44837.	1.1	20
66	<i>In Vitro</i> Investigation of the Cellular Toxicity of Boron Nitride Nanotubes. <i>ACS Nano</i> , 2011, 5, 3800-3810.	7.3	184
67	Somatic calcium level reports integrated spiking activity of cerebellar interneurons in vitro and in vivo. <i>Journal of Neurophysiology</i> , 2011, 106, 1793-1805.	0.9	31
68	Toxicity Study of Nanofibers. , 2011, , 133-149.		3
69	A bipartite butyrate-responsive element in the human calretinin ( <i>CALB2</i> ) promoter acts as a repressor in colon carcinoma cells but not in mesothelioma cells. <i>Journal of Cellular Biochemistry</i> , 2010, 109, 519-531.	1.2	14
70	LACK OF CALBINDIN-D28K ALTERS RESPONSE OF THE MURINE CIRCADIAN CLOCK TO LIGHT. <i>Chronobiology International</i> , 2010, 27, 68-82.	0.9	22
71	Cell type dependence of carbon based nanomaterial toxicity. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 3059-3062.	0.7	7
72	Ca <sup>2+</sup> Buffers. , 2010, , 955-962.		12

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73	Cytosolic Ca <sup>2+</sup> Buffers. Cold Spring Harbor Perspectives in Biology, 2010, 2, a004051-a004051.	2.3	326
74	Desynchronization of Neocortical Networks by Asynchronous Release of GABA at Autaptic and Synaptic Contacts from Fast-Spiking Interneurons. PLoS Biology, 2010, 8, e1000492.	2.6	83
75	Compensatory Regulation of Ca <sup>v</sup> 2.1 Ca <sup>2+</sup> Channels in Cerebellar Purkinje Neurons Lacking Parvalbumin and Calbindin D-28k. Journal of Neurophysiology, 2010, 103, 371-381.	0.9	24
76	Upregulated expression of oncomodulin, the beta isoform of parvalbumin, in perikarya and axons in the diencephalon of parvalbumin knockout mice. Neuroscience, 2010, 165, 749-757.	1.1	12
77	The continuing disappearance of $\text{Ca}^{2+}$ buffers. Cellular and Molecular Life Sciences, 2009, 66, 275-300.	2.4	218
78	Microcalcification after excitotoxicity is enhanced in transgenic mice expressing parvalbumin in all neurones, may commence in neuronal mitochondria and undergoes structural modifications over time. Neuropathology and Applied Neurobiology, 2009, 35, 165-177.	1.8	21
79	Cellular Toxicity of TiO <sub>2</sub> -Based Nanofilaments. ACS Nano, 2009, 3, 2274-2280.	7.3	89
80	SV40-Induced Expression of Calretinin Protects Mesothelial Cells from Asbestos Cytotoxicity and May Be a Key Factor Contributing to Mesothelioma Pathogenesis. American Journal of Pathology, 2009, 174, 2324-2336.	1.9	33
81	The role of parvalbumin and calbindin D28k in experimental scrapie. Neuropathology and Applied Neurobiology, 2008, 34, 435-445.	1.8	11
82	Engrailed-2 regulates genes related to vesicle formation and transport in cerebellar Purkinje cells. Molecular and Cellular Neurosciences, 2008, 38, 495-504.	1.0	17
83	Nanodomain Coupling between Ca <sup>2+</sup> Channels and Ca <sup>2+</sup> Sensors Promotes Fast and Efficient Transmitter Release at a Cortical GABAergic Synapse. Neuron, 2008, 57, 536-545.	3.8	230
84	Renal expression of parvalbumin is critical for NaCl handling and response to diuretics. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14849-14854.	3.3	84
85	Parvalbumin Is a Mobile Presynaptic Ca <sup>2+</sup> Buffer in the Calyx of Held that Accelerates the Decay of Ca <sup>2+</sup> and Short-Term Facilitation. Journal of Neuroscience, 2007, 27, 2261-2271.	1.7	142
86	Resolving the Fast Kinetics of Cooperative Binding: Ca <sup>2+</sup> Buffering by Calretinin. PLoS Biology, 2007, 5, e311.	2.6	88
87	Differences in locomotor behavior revealed in mice deficient for the calcium-binding proteins parvalbumin, calbindin D-28k or both. Behavioural Brain Research, 2007, 178, 250-261.	1.2	45
88	Parvalbumin is freely mobile in axons, somata and nuclei of cerebellar Purkinje neurones. Journal of Neurochemistry, 2007, 100, 727-735.	2.1	41
89	Heterozygosity of SNPs13 in intron 9 of the human calretinin gene (CALB2) is a risk factor for colon cancer. Anticancer Research, 2007, 27, 4279-88.	0.5	2
90	Cellular Toxicity of Carbon-Based Nanomaterials. Nano Letters, 2006, 6, 1121-1125.	4.5	1,011

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91	Deficiency in parvalbumin, but not in calbindin D-28k upregulates mitochondrial volume and decreases smooth endoplasmic reticulum surface selectively in a peripheral, subplasmalemmal region in the soma of Purkinje cells. <i>Neuroscience</i> , 2006, 142, 97-105.	1.1	43
92	Parvalbumin deficiency in fast-twitch muscles leads to increased 'slow-twitch type' mitochondria, but does not affect the expression of fiber specific proteins. <i>FEBS Journal</i> , 2006, 273, 96-108.	2.2	58
93	Mono- and dual-frequency fast cerebellar oscillation in mice lacking parvalbumin and/or calbindin D-28k. <i>European Journal of Neuroscience</i> , 2005, 22, 861-870.	1.2	70
94	Rapid turnover of the "functional" Na <sup>+</sup> -Ca <sup>2+</sup> exchanger in cardiac myocytes revealed by an antisense oligodeoxynucleotide approach. <i>Cell Calcium</i> , 2005, 37, 233-243.	1.1	15
95	Developmental Changes in Parvalbumin Regulate Presynaptic Ca <sup>2+</sup> Signaling. <i>Journal of Neuroscience</i> , 2005, 25, 96-107.	1.7	169
96	Calbindin D28k targets myo-inositol monophosphatase in spines and dendrites of cerebellar Purkinje neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5850-5855.	3.3	94
97	Spatiotemporal patterning of IP3-mediated Ca <sup>2+</sup> -signals in <i>Xenopus</i> oocytes by Ca <sup>2+</sup> -binding proteins. <i>Journal of Physiology</i> , 2004, 556, 447-461.	1.3	81
98	Ectopic parvalbumin expression in mouse forebrain neurons increases excitotoxic injury provoked by ibotenic acid injection into the striatum. <i>Experimental Neurology</i> , 2004, 186, 78-88.	2.0	30
99	Over-expression of parvalbumin in transgenic mice rescues motoneurons from injury-induced cell death. <i>Neuroscience</i> , 2004, 123, 459-466.	1.1	50
100	Parvalbumin deficiency affects network properties resulting in increased susceptibility to epileptic seizures. <i>Molecular and Cellular Neurosciences</i> , 2004, 25, 650-663.	1.0	149
101	Identification of calretinin and the alternatively spliced form calretinin-22k in primary pleural mesotheliomas and in their metastases. <i>Anticancer Research</i> , 2004, 24, 4003-9.	0.5	6
102	Diffusional Mobility of Parvalbumin in Spiny Dendrites of Cerebellar Purkinje Neurons Quantified by Fluorescence Recovery after Photobleaching. <i>Biophysical Journal</i> , 2003, 84, 2599-2608.	0.2	69
103	Consequence of parvalbumin deficiency in the mdx mouse: histological, biochemical and mechanical phenotype of a new double mutant. <i>Neuromuscular Disorders</i> , 2003, 13, 376-387.	0.3	39
104	Parvalbumin-Deficiency Facilitates Repetitive IPSCs and Gamma Oscillations in the Hippocampus. <i>Journal of Neurophysiology</i> , 2003, 89, 1414-1422.	0.9	201
105	Mutational analysis of dendritic Ca <sup>2+</sup> kinetics in rodent Purkinje cells: role of parvalbumin and calbindin D28k. <i>Journal of Physiology</i> , 2003, 551, 13-32.	1.3	148
106	Ca <sup>2+</sup> Buffers. , 2003, , 67-71.		1
107	Release patterns of astrocytic and neuronal biochemical markers in serum during and after experimental settings of cardiac surgery. <i>Restorative Neurology and Neuroscience</i> , 2003, 21, 141-50.	0.4	9
108	Increased Exchange Current but Normal Ca <sup>2+</sup> -Transport via Na <sup>+</sup> -Ca <sup>2+</sup> -Exchange During Cardiac Hypertrophy After Myocardial Infarction. <i>Circulation Research</i> , 2002, 91, 323-330.	2.0	54

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109	Monoclonal antibodies recognizing epitopes of calretinins: dependence on Ca <sup>2+</sup> -binding status and differences in antigen accessibility in colon cancer cells. <i>Cell Calcium</i> , 2002, 31, 13-25.	1.1	53
110	Calretinin and calbindin D-28k, but not parvalbumin protect against glutamate-induced delayed excitotoxicity in transfected N18a€œRE 105 neuroblastomaa€œ retina hybrid cells. <i>Brain Research</i> , 2002, 945, 181-190.	1.1	86
111	'New' functions for 'old' proteins: The role of the calcium-binding proteins calbindin D-28k, calretinin and parvalbumin, in cerebellar physiology. Studies with knockout mice. <i>Cerebellum</i> , 2002, 1, 241-258.	1.4	339
112	Calretinin and Calretinin-22k Increase Resistance toward Sodium Butyrate-Induced Differentiation in CaCo-2 Colon Adenocarcinoma Cells. <i>Experimental Cell Research</i> , 2001, 268, 93-103.	1.2	13
113	Deficiency in parvalbumin increases fatigue resistance in fast-twitch muscle and upregulates mitochondria. <i>American Journal of Physiology - Cell Physiology</i> , 2001, 281, C114-C122.	2.1	71
114	Tenascin-R associates extracellularly with parvalbumin immunoreactive neurones but is synthesised by another neuronal population in the adult rat cerebral cortex. <i>Journal of Neurocytology</i> , 2001, 30, 293-301.	1.6	8
115	Calretinin and calbindin D-28k delay the onset of cell death after excitotoxic stimulation in transfected P19 cells. <i>Brain Research</i> , 2001, 909, 145-158.	1.1	81
116	[32] Application of antisense oligodeoxynucleotides for suppression of exchange. <i>Methods in Enzymology</i> , 2000, 314, 454-476.	0.4	2
117	NON-LINEAR COUPLING OF LOCAL FIELD POTENTIALS ACROSS CORTICAL SITES IN PARVALBUMIN-DEFICIENT MICE. , 2000, , .		1
118	Alterations in Purkinje cell spines of calbindin D-28a€œfk and parvalbumin knock-out mice. <i>European Journal of Neuroscience</i> , 2000, 12, 945-954.	1.2	97
119	Calretinin modifies presynaptic calcium signaling in frog saccular hair cells. <i>Nature Neuroscience</i> , 2000, 3, 786-790.	7.1	122
120	Kinetics of Ca <sup>2+</sup> binding to parvalbumin in bovine chromaffin cells: implications for [Ca <sup>2+</sup> ] transients of neuronal dendrites. <i>Journal of Physiology</i> , 2000, 525, 419-432.	1.3	157
121	Differences in Ca <sup>2+</sup> buffering properties between excitatory and inhibitory hippocampal neurons from the rat. <i>Journal of Physiology</i> , 2000, 525, 405-418.	1.3	120
122	Role of the calcium-binding protein parvalbumin in short-term synaptic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 13372-13377.	3.3	355
123	Association between the Calcium-Binding Protein Calretinin and Cytoskeletal Components in the Human Colon Adenocarcinoma Cell Line WiDr. <i>Experimental Cell Research</i> , 2000, 259, 12-22.	1.2	30
124	Neurodegenerative and morphogenic changes in a mouse model of temporal lobe epilepsy do not depend on the expression of the calcium-binding proteins parvalbumin, calbindin, or calretinin. <i>Neuroscience</i> , 2000, 97, 47-58.	1.1	103
125	A polyclonal goat antiserum against the calcium-binding protein calretinin is a versatile tool for various immunochemical techniques. <i>Journal of Neuroscience Methods</i> , 1999, 92, 137-144.	1.3	37
126	Comparison of the Ca <sup>2+</sup> -binding Properties of Human Recombinant Calretinin-22k and Calretinin. <i>Journal of Biological Chemistry</i> , 1997, 272, 29663-29671.	1.6	89



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127	Regulated redistribution of calretinins in WiDr cells. <i>Cell Death and Differentiation</i> , 1997, 4, 325-333.	5.0	15
128	Antisense Oligodeoxynucleotides Directed against the Na-Ca Exchanger mRNA. <i>Annals of the New York Academy of Sciences</i> , 1996, 779, 93-102.	1.8	5
129	Change of calretinin expression in the human colon adenocarcinoma cell line HT29 after differentiation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1996, 1313, 201-208.	1.9	14
130	Inhibition of the Proliferative Cycle and Apoptotic Events in WiDr Cells after Down-Regulation of the Calcium-Binding Protein Calretinin Using Antisense Oligodeoxynucleotides. <i>Experimental Cell Research</i> , 1996, 225, 399-410.	1.2	41
131	The calcium-binding protein calretinin-22k, an alternative splicing product of the calretinin gene is expressed in several colon adeno carcinoma cell lines. <i>Cell Calcium</i> , 1996, 20, 63-72.	1.1	15
132	Alternative Splicing of Calretinin mRNA Leads to Different Forms of Calretinin. <i>FEBS Journal</i> , 1995, 230, 424-430.	0.2	28
133	Changes in Shape and Motility of Cells Transfected with Parvalbumin cDNA. <i>Experimental Cell Research</i> , 1995, 219, 420-426.	1.2	21
134	Specific inhibition of Na-Ca exchange function by antisense oligodeoxynucleotides. <i>FEBS Letters</i> , 1995, 364, 198-202.	1.3	39
135	Characterization of a polyclonal antiserum against the purified human recombinant calcium binding protein calretinin. <i>Cell Calcium</i> , 1993, 14, 639-648.	1.1	253
136	Stimulus-induced association of Ca(2+)-binding proteins with the plasma membrane detected in situ by photolabeling of intact chromaffin and PC12 cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 1295-1299.	3.3	3
137	Expression of the calcium binding protein calretinin in WiDr cells and its correlation to their cell cycle. <i>Experimental Cell Research</i> , 1992, 202, 292-302.	1.2	64
138	Protein modification by diazotized arsanilic acid: Synthesis and characterization of the phenylthiohydantoin derivatives of azobenzene arsonate-coupled tyrosine, histidine, and lysine residues and their sequential allotment in labeled peptides. <i>Analytical Biochemistry</i> , 1989, 177, 183-187.	1.1	1