

# Jacques Baudier

## List of Publications by Year in descending order

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69  
papers

4,114  
citations

94433

37  
h-index

114465

63  
g-index

69  
all docs

69  
docs citations

69  
times ranked

4504  
citing authors

#	ARTICLE	IF	CITATIONS
1	S100B expression defines a state in which GFAP-expressing cells lose their neural stem cell potential and acquire a more mature developmental stage. <i>Glia</i> , 2007, 55, 165-177.	4.9	311
2	Neurogranin: immunocytochemical localization of a brain-specific protein kinase C substrate. <i>Journal of Neuroscience</i> , 1990, 10, 3782-3792.	3.6	308
3	Patterns of aberrant sprouting in alzheimer's disease. <i>Neuron</i> , 1991, 6, 729-739.	8.1	244
4	AHNAK interaction with the annexin 2/S100A10 complex regulates cell membrane cytoarchitecture. <i>Journal of Cell Biology</i> , 2004, 164, 133-144.	5.2	192
5	Ions binding to S100 proteins: structural changes induced by calcium and zinc on S100a and S100b proteins. <i>Biochemistry</i> , 1983, 22, 3360-3369.	2.5	142
6	Nuclear expression of S100B in oligodendrocyte progenitor cells correlates with differentiation toward the oligodendroglial lineage and modulates oligodendrocytes maturation. <i>Molecular and Cellular Neurosciences</i> , 2004, 27, 453-465.	2.2	139
7	AHNAK a novel component of the dysferlin protein complex, redistributes to the cytoplasm with dysferlin during skeletal muscle regeneration. <i>FASEB Journal</i> , 2007, 21, 732-742.	0.5	133
8	Effect of S-100 proteins and calmodulin on Ca <sup>2+</sup> -induced disassembly of brain microtubule proteins in vitro. <i>FEBS Letters</i> , 1982, 147, 165-167.	2.8	132
9	Comparison of S100b protein with calmodulin: interactions with melittin and microtubule-associated .tau. proteins and inhibition of phosphorylation of .tau. proteins by protein kinase C. <i>Biochemistry</i> , 1987, 26, 2886-2893.	2.5	130
10	The AAA <sup>+</sup> ATPase ATAD3A Controls Mitochondrial Dynamics at the Interface of the Inner and Outer Membranes. <i>Molecular and Cellular Biology</i> , 2010, 30, 1984-1996.	2.3	124
11	Calcium and S100B Regulation of p53-Dependent Cell Growth Arrest and Apoptosis. <i>Molecular and Cellular Biology</i> , 1998, 18, 4272-4281.	2.3	104
12	Zinc ion binding to human brain calcium binding proteins. Calmodulin and S100b protein. <i>Biochemical and Biophysical Research Communications</i> , 1983, 114, 1138-1146.	2.1	103
13	The Giant Protein AHNAK Is a Specific Target for the Calcium- and Zinc-binding S100B Protein. <i>Journal of Biological Chemistry</i> , 2001, 276, 23253-23261.	3.4	95
14	Localization of amyloid precursor protein in GAP43-immunoreactive aberrant sprouting neurites in Alzheimer's disease. <i>Brain Research</i> , 1992, 574, 312-316.	2.2	92
15	S100A6 and S100A11 Are Specific Targets of the Calcium- and Zinc-binding S100B Protein in Vivo. <i>Journal of Biological Chemistry</i> , 2000, 275, 35302-35310.	3.4	79
16	The Zinc- and Calcium-binding S100B Interacts and Co-localizes with IQGAP1 during Dynamic Rearrangement of Cell Membranes. <i>Journal of Biological Chemistry</i> , 2002, 277, 49998-50007.	3.4	78
17	RefilinB (FAM101B) targets FilaminA to organize perinuclear actin networks and regulates nuclear shape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11464-11469.	7.1	78
18	The Drosophila Ubiquitin-Specific Protease dUSP36/Scny Targets IMD to Prevent Constitutive Immune Signaling. <i>Cell Host and Microbe</i> , 2009, 6, 309-320.	11.0	76

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19	Calcium-dependent Interaction of S100B with the C-terminal Domain of the Tumor Suppressor p53. <i>Journal of Biological Chemistry</i> , 1999, 274, 10539-10544.	3.4	73
20	Characterization of baculovirus recombinant wild-type p53. Dimerization of p53 is required for high-affinity DNA binding and cysteine oxidation inhibits p53 DNA binding. <i>FEBS Journal</i> , 1994, 223, 683-692.	0.2	71
21	Interactions of Myogenic bHLH Transcription Factors with Calcium-Binding Calmodulin and S100a (.alpha..alpha.) Proteins. <i>Biochemistry</i> , 1995, 34, 7834-7846.	2.5	70
22	ATAD3 proteins: brokers of a mitochondriaâ€“endoplasmic reticulum connection in mammalian cells. <i>Biological Reviews</i> , 2018, 93, 827-844.	10.4	68
23	Concerted Regulation of Wild-Type p53 Nuclear Accumulation and Activation by S100B and Calcium-Dependent Protein Kinase C. <i>Molecular and Cellular Biology</i> , 1999, 19, 7168-7180.	2.3	63
24	Specific AHNAK expression in brain endothelial cells with barrier properties. <i>Journal of Cellular Physiology</i> , 2005, 203, 362-371.	4.1	57
25	Zinc-dependent affinity chromatography of the S100b protein on phenyl-Sepharose. <i>FEBS Letters</i> , 1982, 148, 231-234.	2.8	56
26	Establishment of pure neuronal cultures from fetal rat spinal cord and proliferation of the neuronal precursor cells in the presence of fibroblast growth factor. <i>Journal of Neuroscience Research</i> , 1991, 29, 499-509.	2.9	56
27	Disruption of <i>CK2</i> in Embryonic Neural Stem Cells Compromises Proliferation and Oligodendrogenesis in the Mouse Telencephalon. <i>Molecular and Cellular Biology</i> , 2010, 30, 2737-2749.	2.3	52
28	Purification, characterization and ion binding properties of human brain S100b protein. <i>BBA - Proteins and Proteomics</i> , 1984, 790, 164-173.	2.1	50
29	IQGAP1 Protein Specifies Amplifying Cancer Cells in Glioblastoma Multiforme. <i>Cancer Research</i> , 2006, 66, 9074-9082.	0.9	50
30	Rat Brain S100b Protein: Purification, Characterization, and Ion Binding Properties. A Comparison with Bovine S100b Protein. <i>Journal of Neurochemistry</i> , 1985, 44, 76-84.	3.9	49
31	S100P Is a Novel Interaction Partner and Regulator of IQGAP1. <i>Journal of Biological Chemistry</i> , 2011, 286, 7227-7238.	3.4	49
32	Cysteine Oxidation in the Mitogenic S100B Protein Leads to Changes in Phosphorylation by Catalytic CKII- $\beta$ Subunit. <i>Journal of Biological Chemistry</i> , 1998, 273, 3901-3908.	3.4	47
33	The Calcium-Dependent Interaction between S100B and the Mitochondrial AAA ATPase ATAD3A and the Role of This Complex in the Cytoplasmic Processing of ATAD3A. <i>Molecular and Cellular Biology</i> , 2010, 30, 2724-2736.	2.3	43
34	Expression of the Giant Protein AHNAK (Desmoyokin) in Muscle and Lining Epithelial Cells. <i>Journal of Histochemistry and Cytochemistry</i> , 2003, 51, 339-348.	2.5	42
35	ATAD 3A and ATAD 3B are distal 1p-located genes differentially expressed in human glioma cell lines and present in vitro anti-oncogenic and chemoresistant properties. <i>Experimental Cell Research</i> , 2008, 314, 2870-2883.	2.6	42
36	De novo synthesis of GAP-43: in situ hybridization histochemistry and light and electron microscopy immunocytochemical studies in regenerating motor neurons of cranial nerve nuclei in the rat brain. <i>Molecular Brain Research</i> , 1994, 24, 107-117.	2.3	40

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37	IQGAP1 Regulates Adult Neural Progenitors In Vivo and Vascular Endothelial Growth Factor-Triggered Neural Progenitor Migration In Vitro. <i>Journal of Neuroscience</i> , 2007, 27, 4716-4724.	3.6	38
38	Identification of an AHNAK Binding Motif Specific for the Annexin2/S100A10 Tetramer. <i>Journal of Biological Chemistry</i> , 2006, 281, 35030-35038.	3.4	37
39	Bovine Brain S100 Proteins: Separation and Characterization of a New S100 Protein Species. <i>Journal of Neurochemistry</i> , 1983, 40, 145-152.	3.9	34
40	The in Vitro Phosphorylation of P53 by Calcium-Dependent Protein Kinase C. Characterization of a Protein-Kinase-C-Binding Site on p53. <i>FEBS Journal</i> , 1997, 245, 684-692.	0.2	34
41	ATAD3B is a human embryonic stem cell specific mitochondrial protein, re-expressed in cancer cells, that functions as dominant negative for the ubiquitous ATAD3A. <i>Mitochondrion</i> , 2012, 12, 441-448.	3.4	32
42	Increased Bax Expression Is Associated with Cell Death Induced by Ganciclovir in a Herpes Thymidine Kinase Gene-Expressing Glioma Cell Line. <i>Human Gene Therapy</i> , 1999, 10, 679-688.	2.7	31
43	Expression of neuromodulin (GAP-43) and its regulation by basic fibroblast growth factor during the differentiation of O-2A progenitor cells. <i>Journal of Neuroscience Research</i> , 1993, 36, 147-162.	2.9	30
44	Phosphorylation of the MARCKS Protein (P87), a Major Protein Kinase C Substrate, Is Not an Obligatory Step in the Mitogenic Signaling Pathway of Basic Fibroblast Growth Factor in Rat Oligodendrocytes. <i>Journal of Neurochemistry</i> , 1992, 58, 567-578.	3.9	29
45	Monitoring of S100 homodimerization and heterodimeric interactions by the yeast two-hybrid system. <i>Microscopy Research and Technique</i> , 2003, 60, 560-568.	2.2	29
46	Bimane- and acrylodan-labeled S100 proteins. Role of cysteines-85.alpha. and -84.beta. in the conformation and calcium binding properties of S100aa and S100b (.beta..beta.) proteins. <i>Biochemistry</i> , 1986, 25, 6934-6941.	2.5	28
47	NG2-expressing glial precursor cells are a new potential oligodendroglioma cell initiating population in N-ethyl-N-nitrosourea-induced gliomagenesis. <i>Carcinogenesis</i> , 2010, 31, 1718-1725.	2.8	27
48	Evidence that S100 proteins regulate microtubule assembly and stability in rat brain extracts. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1986, 18, 691-695.	0.5	25
49	Casein kinase 2 inhibits the renaturation of complementary DNA strands mediated by p53 protein. <i>Biochemical Journal</i> , 1996, 316, 331-335.	3.7	24
50	The effect of S-100a and S-100b proteins and Zn <sup>2+</sup> on the assembly of brain microtubule proteins in vitro. <i>FEBS Letters</i> , 1983, 163, 287-291.	2.8	23
51	The Zn <sup>2+</sup> and Ca <sup>2+</sup> binding S100B and S100A1 proteins: beyond the myths. <i>Biological Reviews</i> , 2020, 95, 738-758.	10.4	19
52	TYROSYL FLUORESCENCE SPECTRA OF PROTEINS LACKING TRYPTOPHAN: EFFECTS OF INTRAMOLECULAR INTERACTIONS. <i>Photochemistry and Photobiology</i> , 1985, 42, 245-251.	2.5	18
53	A rapid purification method for neurogranin, a brain specific calmodulin-binding protein kinase C substrate. <i>FEBS Letters</i> , 1991, 282, 183-188.	2.8	15
54	Refilin holds the cap. <i>Communicative and Integrative Biology</i> , 2011, 4, 791-795.	1.4	13

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55	The filamin-Bâ€™refilin axis â€™ spatiotemporal regulators of the actin-cytoskeleton in development and disease. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	13
56	Modulation of ATPase activities in the central nervous system by the S-100 proteins. <i>Neurochemical Research</i> , 1989, 14, 761-764.	3.3	10
57	The S100B Protein and Partners in Adipocyte Response to Cold Stress and Adaptive Thermogenesis: Facts, Hypotheses, and Perspectives. <i>Biomolecules</i> , 2020, 10, 843.	4.0	9
58	The S100-b Protein: Tyrosine Residues Do Not Exhibit an Abnormal Fluorescence Spectrum. <i>Journal of Neurochemistry</i> , 1983, 40, 1765-1767.	3.9	8
59	S100 Proteins: From Purification to Functions. , 2002, 172, 185-198.		8
60	Refilins. <i>Bioarchitecture</i> , 2011, 1, 245-249.	1.5	8
61	COX assembly factor ccdc56 regulates mitochondrial morphology by affecting mitochondrial recruitment of Drp1. <i>FEBS Letters</i> , 2015, 589, 3126-3132.	2.8	8
62	A subnanosecond-pulse fluorometric study of the CA <sup>2+</sup> and MG <sup>2+</sup> induced conformational changes on S-100a protein. <i>Biochemical and Biophysical Research Communications</i> , 1984, 123, 959-965.	2.1	7
63	Interactions of S100 Proteins with Proteins Kinase Substrates. Biological Implication. <i>Advances in Experimental Medicine and Biology</i> , 1990, 269, 153-157.	1.6	7
64	S100A1 and S100B are dispensable for endochondral ossification during skeletal development. <i>Biomedical Research</i> , 2014, 35, 243-250.	0.9	6
65	Refilins are short-lived Actin-bundling proteins that regulate lamellipodium protrusion dynamics. <i>Biology Open</i> , 2016, 5, 1351-1361.	1.2	4
66	Similarities and differences between tau protein and chromobindin A. <i>Neurochemistry International</i> , 1988, 13, 149-152.	3.8	2
67	IQGAP1 Protein. , 2011, , 1910-1911.		0
68	IQGAP1 Protein. , 2015, , 1-3.		0
69	IQGAP1 Protein. , 2017, , 2355-2357.		0