Bernard Lakaye

List of Publications by Year
in descending order

51 papers	1,614 citations	24 h-index	38 g-index
51 all docs	51 docs citations	51 times ranked	1605 citing authors

257450

315739

#	Article	IF	Citations
1	Thiamine Status in Humans and Content of Phosphorylated Thiamine Derivatives in Biopsies and Cultured Cells. PLoS ONE, 2010, 5, e13616.	2.5	170
2	Estrogen receptor-? in quail: Cloning, tissue expression and neuroanatomical distribution. Journal of Neurobiology, 1999, 40, 327-342.	3.6	93
3	Disrupting the melanin-concentrating hormone receptorâ€ƒ1 in mice leads to cognitive deficits and alterations of NMDA receptor function. European Journal of Neuroscience, 2005, 21, 2837-2844.	2.6	87
4	Sleep architecture of the melaninâ€concentrating hormone receptorâ€ƒ1â€knockout mice. European Journal of Neuroscience, 2008, 27, 1793-1800.	2.6	78
5	EFHC1 interacts with microtubules to regulate cell division and cortical development. Nature Neuroscience, 2009, 12, 1266-1274.	14.8	68
6	Cloning of the rat brain cDNA encoding for the SLC-1 G protein-coupled receptor reveals the presence of an intron in the gene1The cDNA sequence reported in this paper has been submitted to the Genbank data base with accession number AF008650.1. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1401, 216-220.	4.1	66
7	Thiamine Triphosphate, a New Signal Required for Optimal Growth of Escherichia coli during Amino Acid Starvation. Journal of Biological Chemistry, 2004, 279, 17142-17147.	3.4	53
8	Thiamine triphosphate: a ubiquitous molecule in search of a physiological role. Metabolic Brain Disease, 2014, 29, 1069-1082.	2.9	46
9	Thiamine and benfotiamine prevent stress-induced suppression of hippocampal neurogenesis in mice exposed to predation without affecting brain thiamine diphosphate levels. Molecular and Cellular Neurosciences, 2017, 82, 126-136.	2.2	43
10	When drug inactivation renders the target irrelevant to antibiotic resistance: a case story with beta-lactams. Molecular Microbiology, 1999, 31, 89-101.	2.5	42
11	Molecular Characterization of a Specific Thiamine Triphosphatase Widely Expressed in Mammalian Tissues. Journal of Biological Chemistry, 2002, 277, 13771-13777.	3.4	42
12	Steroid Receptor Coactivator SRC-1 Exhibits High Expression in Steroid-Sensitive Brain Areas Regulating Reproductive Behaviors in the Quail Brain. Neuroendocrinology, 2002, 76, 297-315.	2.5	41
13	Human immune cells express ppMCH mRNA and functional MCHR1 receptor. FEBS Letters, 2002, 527, 205-210.	2.8	41
14	Partial cloning and distribution of estrogen receptor beta in the avian brain. NeuroReport, 1998, 9, 2743-2748.	1.2	39
15	Variant Intestinal-Cell Kinase in Juvenile Myoclonic Epilepsy. New England Journal of Medicine, 2018, 378, 1018-1028.	27.0	36
16	Steroid Sensitive Sites in the Avian Brain: Does the Distribution of the Estrogen Receptor Î± and Î² Types Provide Insight into Their Function?. Brain, Behavior and Evolution, 1999, 54, 28-40.	1.7	35
17	Major Impairments of Glutamatergic Transmission and Long-Term Synaptic Plasticity in the Hippocampus of Mice Lacking the Melanin-Concentrating Hormone Receptor-1. Journal of Neurophysiology, 2010, 104, 1417-1425.	1.8	35
18	EFHC1, a protein mutated in juvenile myoclonic epilepsy, associates with the mitotic spindle through its N-terminus. Experimental Cell Research, 2006, 312, 2872-2879.	2.6	34

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19	Adenosine thiamine triphosphate accumulates in Escherichia coli cells in response to specific conditions of metabolic stress. BMC Microbiology, 2010, 10, 148.	3.3	34
20	Mutations of EFHC1, linked to juvenile myoclonic epilepsy, disrupt radial and tangential migrations during brain development. Human Molecular Genetics, 2012, 21, 5106-5117.	2.9	34
21	EFHC1 variants in juvenile myoclonic epilepsy: reanalysis according to NHGRI and ACMG guidelines for assigning disease causality. Genetics in Medicine, 2017, 19, 144-156.	2.4	34
22	The role of melaninâ€concentrating hormone in conditioned reward learning. European Journal of Neuroscience, 2012, 36, 3126-3133.	2.6	31
23	Mice lacking the melanin-concentrating hormone receptor-1 exhibit an atypical psychomotor susceptibility to cocaine and no conditioned cocaine response. Behavioural Brain Research, 2006, 173, 94-103.	2.2	28
24	A general method for the chemical synthesis of Î³-32P-labeled or unlabeled nucleoside 5â€²-triphosphates and thiamine triphosphate. Analytical Biochemistry, 2003, 322, 190-197.	2.4	26
25	Method for Estimation of Low Outer Membrane Permeability to Î²-Lactam Antibiotics. Antimicrobial Agents and Chemotherapy, 2002, 46, 2901-2907.	3.2	25
26	Melanin-concentrating hormone and immune function. Peptides, 2009, 30, 2076-2080.	2.4	24
27	The Genetic Absence Epilepsy Rat from Strasbourg (GAERS), a Rat Model of Absence Epilepsy: Computer Modeling and Differential Gene Expression. Epilepsia, 2002, 43, 123-129.	5.1	22
28	Human recombinant thiamine triphosphatase: purification, secondary structure and catalytic properties. International Journal of Biochemistry and Cell Biology, 2004, 36, 1348-1364.	2.8	20
29	Subtle Brain Developmental Abnormalities in the Pathogenesis of Juvenile Myoclonic Epilepsy. Frontiers in Cellular Neuroscience, 2019, 13, 433.	3.7	20
30	Dibenzoylthiamine Has Powerful Antioxidant and Anti-Inflammatory Properties in Cultured Cells and in Mouse Models of Stress and Neurodegeneration. Biomedicines, 2020, 8, 361.	3.2	20
31	Adenylate kinase-independent thiamine triphosphate accumulation under severe energy stress in Escherichia coli. BMC Microbiology, 2008, 8, 16.	3.3	19
32	An alternative role of FoF1-ATP synthase in Escherichia coli: synthesis of thiamine triphosphate. Scientific Reports, 2013, 3, 1071.	3.3	19
33	High Inorganic Triphosphatase Activities in Bacteria and Mammalian Cells: Identification of the Enzymes Involved. PLoS ONE, 2012, 7, e43879.	2.5	18
34	Expression of mRNA encoding Î±1E and Î±1G subunit in the brain of a rat model of absence epilepsy. NeuroReport, 1999, 10, 569-574.	1.2	17
35	Amphetamine- and cocaine-induced conditioned place preference and concomitant psychomotor sensitization in mice with genetically inactivated melanin-concentrating hormone MCH1 receptor. European Journal of Pharmacology, 2008, 599, 72-80.	3.5	17
36	Alcohol Drinking in MCH Receptor-1-Deficient Mice. Alcoholism: Clinical and Experimental Research, 2007, 31, 1325-1337.	2.4	16

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37	A Specific Inorganic Triphosphatase from Nitrosomonas europaea. Journal of Biological Chemistry, 2011, 286, 34023-34035.	3.4	16
38	Structural determinants of specificity and catalytic mechanism in mammalian 25-kDa thiamine triphosphatase. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 4513-4523.	2.4	16
39	Juvenile myoclonic epilepsy as a possible neurodevelopmental disease: Role of EFHC1 or Myoclonin1. Epilepsy and Behavior, 2013, 28, S58-S60.	1.7	16
40	Distribution of EFHC1 or Myoclonin 1 in mouse neural structures. Epilepsy Research, 2010, 88, 196-207.	1.6	14
41	Increased Expression of mRNA Encoding Ferritin Heavy Chain in Brain Structures of a Rat Model of Absence Epilepsy. Experimental Neurology, 2000, 162, 112-120.	4.1	12
42	Amphetamine reward in food restricted mice lacking the melanin-concentrating hormone receptor-1. Behavioural Brain Research, 2014, 262, 14-20.	2.2	12
43	Pig tissues express a catalytically inefficient 25-kDa thiamine triphosphatase: Insight in the catalytic mechanisms of this enzyme. Biochimica Et Biophysica Acta - General Subjects, 2005, 1725, 93-102.	2.4	11
44	Effect of ppMCH derived peptides on PBMC proliferation and cytokine expression. Regulatory Peptides, 2007, 143, 104-108.	1.9	11
45	Deletion of Melanin-Concentrating Hormone Receptor-1 gene accentuates d-amphetamine-induced psychomotor activation but neither the subsequent development of sensitization nor the expression of conditioned activity in mice. Pharmacology Biochemistry and Behavior, 2008, 88, 446-455.	2.9	11
46	Expression of 25 kDa thiamine triphosphatase in rodent tissues using quantitative PCR and characterization of its mRNA. International Journal of Biochemistry and Cell Biology, 2004, 36, 2032-2041.	2.8	7
47	Estrogen receptorâ€Î² in quail: Cloning, tissue expression and neuroanatomical distribution. Journal of Neurobiology, 1999, 40, 327-342.	3.6	5
48	Promoter characterization of the mouse melanin-concentrating hormone receptor 1. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2004, 1678, 1-6.	2.4	4
49	Saturation of penicillin-binding protein 1 by ?-lactam antibiotics in growing cells of Bacillus licheniformis. Molecular Microbiology, 1995, 16, 365-372.	2.5	3
50	Functional analysis of the F337C mutation in the <i>CLCN1</i> gene associated with dominant <i>myotonia congenita</i> reveals an alteration of the macroscopic conductance and voltage dependence. Molecular Genetics & Genomic Medicine, 2021, 9, e1588.	1.2	2
51	Importin-8 Modulates Division of Apical Progenitors, Dendritogenesis and Tangential Migration During Development of Mouse Cortex. Frontiers in Molecular Neuroscience, 2018, 11, 234.	2.9	1