Alexandre Benani

List of Publications by Year
in descending order

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41 papers	1,659 citations	279778 23 h-index	289230 40 g-index
46 all docs	46 docs citations	46 times ranked	2506 citing authors

#	Article	IF	Citations
1	Acute but Not Chronic Central Administration of the Neuropeptide 26RFa (QRFP) Improves Glucose Homeostasis in Obese/Diabetic Mice. Neuroendocrinology, 2022, 112, 1104-1115.	2.5	2
2	Evidence for Constitutive Microbiota-Dependent Short-Term Control of Food Intake in Mice: Is There a Link with Inflammation, Oxidative Stress, Endotoxemia, and GLP-1?. Antioxidants and Redox Signaling, 2022, 37, 349-369.	5.4	3
3	Dietary fat exacerbates postprandial hypothalamic inflammation involving glial fibrillary acidic proteinâ€positive cells and microglia in male mice. Glia, 2021, 69, 42-60.	4.9	30
4	Dietary switch to Western diet induces hypothalamic adaptation associated with gut microbiota dysbiosis in rats. International Journal of Obesity, 2021, 45, 1271-1283.	3.4	12
5	Postprandial Hyperglycemia Stimulates Neuroglial Plasticity in Hypothalamic POMC Neurons after a Balanced Meal. Cell Reports, 2020, 30, 3067-3078.e5.	6.4	33
6	Lack of Hypothalamus Polysialylation Inducibility Correlates With Maladaptive Eating Behaviors and Predisposition to Obesity. Frontiers in Nutrition, 2018, 5, 125.	3.7	4
7	DÃ©tection cÃ©rÃ©brale du glucose, plasticitÃ© neuronale et mÃ©tabolisme Ã©nergÃ©tique. Cahiers De Nutrition Et De Dietetique, 2017, 52, 19-25.	0.3	0
8	Transient Receptor Potential Canonical 3 (TRPC3) Channels Are Required for Hypothalamic Glucose Detection and Energy Homeostasis. Diabetes, 2017, 66, 314-324.	0.6	27
9	Brain Control of Plasma Cholesterol Involves Polysialic Acid Molecules in the Hypothalamus. Frontiers in Neuroscience, 2017, 11, 245.	2.8	7
10	Plasticity of the Melanocortin System: Determinants and Possible Consequences on Food Intake. Frontiers in Endocrinology, 2015, 6, 143.	3.5	31
11	The histone acetyltransferase MOF activates hypothalamic polysialylation to prevent diet-induced obesity in mice. Molecular Metabolism, 2014, 3, 619-629.	6.5	12
12	Hypothalamic Apelin/Reactive Oxygen Species Signaling Controls Hepatic Glucose Metabolism in the Onset of Diabetes. Antioxidants and Redox Signaling, 2014, 20, 557-573.	5.4	44
13	Hypothalamic eIF2Î± Signaling Regulates Food Intake. Cell Reports, 2014, 6, 438-444.	6.4	52
14	Animal Models and Methods to Study the Relationships Between Brain and Tissues inÂMetabolic Regulation. , 2013, , 569-593.		1
15	A high-fat diet increases l-carnitine synthesis through a differential maturation of the Bbox1 mRNAs. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 370-377.	2.4	28
16	Cerebral Cell Renewal in Adult Mice Controls the Onset of Obesity. PLoS ONE, 2013, 8, e72029.	2.5	50
17	Inactivation ofSocs3in the Hypothalamus Enhances the Hindbrain Response to Endogenous Satiety Signals via Oxytocin Signaling. Journal of Neuroscience, 2012, 32, 17097-17107.	3.6	42
18	Food Intake Adaptation to Dietary Fat Involves PSA-Dependent Rewiring of the Arcuate Melanocortin System in Mice. Journal of Neuroscience, 2012, 32, 11970-11979.	3.6	64

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19	Apelin Treatment Increases Complete Fatty Acid Oxidation, Mitochondrial Oxidative Capacity, and Biogenesis in Muscle of Insulin-Resistant Mice. Diabetes, 2012, 61, 310-320.	0.6	173
20	Hypothalamus-Olfactory System Crosstalk: Orexin A Immunostaining in Mice. Frontiers in Neuroanatomy, 2012, 6, 44.	1.7	39
21	Anti-Obesity Sodium Tungstate Treatment Triggers Axonal and Glial Plasticity in Hypothalamic Feeding Centers. PLoS ONE, 2012, 7, e39087.	2.5	8
22	Balancing Mitochondrial Redox Signaling: A Key Point in Metabolic Regulation. Antioxidants and Redox Signaling, 2011, 14, 519-530.	5.4	49
23	Nutritional Programming Affects Hypothalamic Organization and Early Response to Leptin. Endocrinology, 2010, 151, 702-713.	2.8	168
24	Hypothalamic Reactive Oxygen Species Are Required for Insulin-Induced Food Intake Inhibition: An NADPH Oxidase-Dependent Mechanism. Diabetes, 2009, 58, 1544-1549.	0.6	57
25	Enhanced Hypothalamic Glucose Sensing in Obesity: Alteration of Redox Signaling. Diabetes, 2009, 58, 2189-2197.	0.6	58
26	Coadministration of Coenzyme Q prevents Rosiglitazone-induced adipogenesis in ob/ob mice. International Journal of Obesity, 2009, 33, 204-211.	3.4	38
27	Method for functional study of mitochondria in rat hypothalamus. Journal of Neuroscience Methods, 2009, 178, 301-307.	2.5	14
28	How a daily and moderate exercise improves ligament healing. Irbm, 2008, 29, 267-271.	5.6	2
29	Brain Glucagon-Like Peptide 1 Signaling Controls the Onset of High-Fat Diet-Induced Insulin Resistance and Reduces Energy Expenditure. Endocrinology, 2008, 149, 4768-4777.	2.8	89
30	Role for Mitochondrial Reactive Oxygen Species in Brain Lipid Sensing: Redox Regulation of Food Intake. Diabetes, 2007, 56, 152-160.	0.6	132
31	Inhibition of HIV replication: A powerful antiviral strategy by IFN-Î² gene delivery in CD4+ cells. Biochemical Pharmacology, 2007, 74, 898-910.	4.4	9
32	La sensibilitÃ© cÃ©rÃ©brale au glucose. Bulletin De L'Academie Nationale De Medecine, 2007, 191, 923-932.	0.0	0
33	Induction of UGT1A6 isoform by inflammatory conditions in rat astrocytes. Neuropharmacology, 2006, 50, 317-328.	4.1	20
34	Brain glucose sensing: a subtle mechanism. Current Opinion in Clinical Nutrition and Metabolic Care, 2006, 9, 458-462.	2.5	60
35	Mitochondrial Reactive Oxygen Species Are Required for Hypothalamic Glucose Sensing. Diabetes, 2006, 55, 2084-2090.	0.6	136
36	Uncoupling of oxidative phosphorylation and Smac/DIABLO release are not sufficient to account for induction of apoptosis by sulindac sulfide in human colorectal cancer cells. International Journal of Oncology, 2005, 26, 1069.	3.3	2

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37	Stimulation of proteoglycan synthesis by glucuronosyltransferase-I gene delivery: A strategy to promote cartilage repair. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 18087-18092.	7.1	91
38	Redox state alteration modulates astrocyte glucuronidation. Free Radical Biology and Medicine, 2004, 37, 1051-1063.	2.9	11
39	Activation of peroxisome proliferator-activated receptor alpha in rat spinal cord after peripheral noxious stimulation. Neuroscience Letters, 2004, 369, 59-63.	2.1	19
40	Up-regulation of fatty acid metabolizing-enzymes mRNA in rat spinal cord during persistent peripheral local inflammation. European Journal of Neuroscience, 2003, 18, 1904-1914.	2.6	11
41	Evidence for the presence of both peroxisome proliferator-activated receptors alpha and beta in the rat spinal cord. Journal of Chemical Neuroanatomy, 2003, 25, 29-38.	2.1	28