Sebastien G Bouret

List of Publications by Year
in descending order

78 papers	11,621 citations	76031 42 h-index	84171 75 g-index
88 all docs	88 docs citations	88 times ranked	21315 citing authors

#	Article	IF	Citations
1	Neonatal leptin antagonism improves metabolic programming of postnatally overnourished mice. International Journal of Obesity, 2022, 46, 1138-1144.	1.6	5
2	Developmental programming of hypothalamic melanocortin circuits. Experimental and Molecular Medicine, 2022, 54, 403-413.	3.2	14
3	Molecular control of the development of hypothalamic neurons involved in metabolic regulation. Journal of Chemical Neuroanatomy, 2022, 123, 102117.	1.0	6
4	Defective autophagy in Sf1 neurons perturbs the metabolic response to fasting and causes mitochondrial dysfunction. Molecular Metabolism, 2021, 47, 101186.	3.0	8
5	Nutritional and developmental programming effects of insulin. Journal of Neuroendocrinology, 2021, 33, e12933.	1.2	14
6	Hypothalamic Structural and Functional Imbalances in Anorexia Nervosa. Neuroendocrinology, 2020, 110, 552-562.	1.2	41
7	Neuropilinâ€1 expression in GnRH neurons regulates prepubertal weight gain and sexual attraction. EMBO Journal, 2020, 39, e104633.	3.5	22
8	Maternal obesity-induced endoplasmic reticulum stress causes metabolic alterations and abnormal hypothalamic development in the offspring. PLoS Biology, 2020, 18, e3000296.	2.6	44
9	The endoplasmic reticulum stress-autophagy pathway controls hypothalamic development and energy balance regulation in leptin-deficient neonates. Nature Communications, 2020, 11, 1914.	5.8	45
10	Exposure to Nanoscale Particulate Matter from Gestation to Adulthood Impairs Metabolic Homeostasis in Mice. Scientific Reports, 2019, 9, 1816.	1.6	21
11	Non-nutritive Sweeteners Induce Hypothalamic ER Stress Causing Abnormal Axon Outgrowth. Frontiers in Endocrinology, 2019, 10, 876.	1.5	10
12	Human Semaphorin 3 Variants Link Melanocortin Circuit Development and Energy Balance. Cell, 2019, 176, 729-742.e18.	13.5	80
13	Amylin Selectively Signals Onto POMC Neurons in the Arcuate Nucleus of the Hypothalamus. Diabetes, 2018, 67, 805-817.	0.3	45
14	Metabolic Syndrome and Associated Diseases: From the Bench to the Clinic. Toxicological Sciences, 2018, 162, 36-42.	1.4	147
15	A Transcriptomic Signature of the Hypothalamic Response to Fasting and BDNF Deficiency in Prader-Willi Syndrome. Cell Reports, 2018, 22, 3401-3408.	2.9	81
16	Sex and gender differences in developmental programming of metabolism. Molecular Metabolism, 2018, 15, 8-19.	3.0	232
17	Central Dicer-miR-103/107 controls developmental switch of POMC progenitors into NPY neurons and impacts glucose homeostasis. ELife, 2018, 7, .	2.8	28
18	Involvement of Amylin and Leptin in the Development of Projections from the Area Postrema to the Nucleus of the Solitary Tract. Frontiers in Endocrinology, 2017, 8, 324.	1.5	21

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19	Early postnatal amylin treatment enhances hypothalamic leptin signaling and neural development in the selectively bred diet-induced obese rat. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R1032-R1044.	0.9	23
20	Loss of Magel2 impairs the development of hypothalamic Anorexigenic circuits. Human Molecular Genetics, 2016, 25, 3208-3215.	1.4	40
21	Leptin Controls Parasympathetic Wiring of the Pancreas during Embryonic Life. Cell Reports, 2016, 15, 36-44.	2.9	24
22	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
23	Obesity Impairs the Action of the Neuroendocrine Ghrelin System. Trends in Endocrinology and Metabolism, 2016, 27, 54-63.	3.1	109
24	Perinatal Overnutrition Exacerbates Adipose Tissue Inflammation Caused by High-Fat Feeding in C57BL/6J Mice. PLoS ONE, 2015, 10, e0121954.	1.1	28
25	Neonatal overnutrition causes early alterations in the central response to peripheral ghrelin. Molecular Metabolism, 2015, 4, 15-24.	3.0	122
26	Gene-Environment Interactions Controlling Energy and Glucose Homeostasis and the Developmental Origins of Obesity. Physiological Reviews, 2015, 95, 47-82.	13.1	124
27	Neonatal ghrelin programs development of hypothalamic feeding circuits. Journal of Clinical Investigation, 2015, 125, 846-858.	3.9	126
28	Brain Endothelial Cells Control Fertility through Ovarian-Steroidâ€"Dependent Release of Semaphorin 3A. PLoS Biology, 2014, 12, e1001808.	2.6	56
29	Hippocampal lipoprotein lipase regulates energy balance in rodents. Molecular Metabolism, 2014, 3, 167-176.	3.0	47
30	Hypothalamic Tanycytes Are an ERK-Gated Conduit for Leptin into the Brain. Cell Metabolism, 2014, 19, 293-301.	7.2	381
31	Leptin-dependent neuronal NO signaling in the preoptic hypothalamus facilitates reproduction. Journal of Clinical Investigation, 2014, 124, 2550-2559.	3.9	104
32	Organizational actions of metabolic hormones. Frontiers in Neuroendocrinology, 2013, 34, 18-26.	2.5	45
33	Tanycyte-like cells form a blood-cerebrospinal fluid barrier in the circumventricular organs of the mouse brain. Journal of Comparative Neurology, 2013, 521, spc1-spc1.	0.9	4
34	Tanycytic VEGF-A Boosts Blood-Hypothalamus Barrier Plasticity and Access of Metabolic Signals to the Arcuate Nucleus in Response to Fasting. Cell Metabolism, 2013, 17, 607-617.	7.2	285
35	Tanycyteâ€like cells form a bloodâ€"cerebrospinal fluid barrier in the circumventricular organs of the mouse brain. Journal of Comparative Neurology, 2013, 521, 3389-3405.	0.9	219
36	The obesogenic effect of high fructose exposure during early development. Nature Reviews Endocrinology, 2013, 9, 494-500.	4.3	75

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37	Development of the Hypothalamic Melanocortin System. Frontiers in Endocrinology, 2013, 4, 38.	1.5	31
38	Alteration in Neonatal Nutrition Causes Perturbations in Hypothalamic Neural Circuits Controlling Reproductive Function. Journal of Neuroscience, 2012, 32, 11486-11494.	1.7	92
39	Distinct Roles for Specific Leptin Receptor Signals in the Development of Hypothalamic Feeding Circuits. Journal of Neuroscience, 2012, 32, 1244-1252.	1.7	123
40	Embryonic Birthdate of Hypothalamic Leptin-Activated Neurons in Mice. Endocrinology, 2012, 153, 3657-3667.	1.4	62
41	Weighing on autophagy. Cell Cycle, 2012, 11, 1477-1478.	1.3	5
42	Anxiety-like behaviour and associated neurochemical and endocrinological alterations in male pups exposed to prenatal stress. Psychoneuroendocrinology, 2012, 37, 1646-1658.	1.3	108
43	Loss of Autophagy in Pro-opiomelanocortin Neurons Perturbs Axon Growth and Causes Metabolic Dysregulation. Cell Metabolism, 2012, 15, 247-255.	7.2	149
44	RIPping off GABA Release in Hypothalamic Circuits Causes Obesity. Cell Metabolism, 2012, 16, 557-558.	7.2	2
45	11 Emerging role of neuroendocrine programming in obesity. , 2011, , 107-128.		0
46	Developmental effects of ghrelin. Peptides, 2011, 32, 2362-2366.	1.2	54
47	Astrocytes Modulate Distribution and Neuronal Signaling of Leptin in the Hypothalamus of Obese A vy Mice. Journal of Molecular Neuroscience, 2011, 43, 478-484.	1.1	47
48	Maternal Diabetes Compromises the Organization of Hypothalamic Feeding Circuits and Impairs Leptin Sensitivity in Offspring. Endocrinology, 2011, 152, 4171-4179.	1.4	110
49	Neurodevelopmental actions of leptin. Brain Research, 2010, 1350, 2-9.	1.1	152
50	Distribution of leptinâ€sensitive cells in the postnatal and adult mouse brain. Journal of Comparative Neurology, 2010, 518, 459-476.	0.9	122
51	Differential distribution of tight junction proteins suggests a role for tanycytes in bloodâ€hypothalamus barrier regulation in the adult mouse brain. Journal of Comparative Neurology, 2010, 518, 943-962.	0.9	254
52	Differential distribution of tight junction proteins suggests a role for tanycytes in blood-hypothalamus barrier regulation in the adult mouse brain. Journal of Comparative Neurology, 2010, 518, spc1-spc1.	0.9	0
53	Perinatal Undernutrition and Programming of Hypothalamic Feeding Circuits. Journal of Perinatal Medicine, 2010, 38, .	0.6	0
54	Role of Early Hormonal and Nutritional Experiences in Shaping Feeding Behavior and Hypothalamic Development1â€"3. Journal of Nutrition, 2010, 140, 653-657.	1.3	74

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55	Development of Hypothalamic Neural Networks Controlling Appetite. Forum of Nutrition, 2010, 63, 84-93.	3.7	63
56	Leptin, Nutrition, and the Programming of Hypothalamic Feeding Circuits. Nestle Nutrition Workshop Series Paediatric Programme, 2010, 65, 25-39.	1.5	29
57	Large Litter Rearing Enhances Leptin Sensitivity and Protects Selectively Bred Diet-Induced Obese Rats from Becoming Obese. Endocrinology, 2010, 151, 4270-4279.	1.4	55
58	Three weeks of postweaning exercise in DIO rats produces prolonged increases in central leptin sensitivity and signaling. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R537-R548.	0.9	80
59	Early Life Origins of Obesity: Role of Hypothalamic Programming. Journal of Pediatric Gastroenterology and Nutrition, 2009, 48, S31-8.	0.9	133
60	Hypothalamic Neural Projections Are Permanently Disrupted in Diet-Induced Obese Rats. Cell Metabolism, 2008, 7, 179-185.	7.2	235
61	Crossing the Border: Developmental Regulation of Leptin Transport to the Brain. Endocrinology, 2008, 149, 875-876.	1.4	16
62	Cord Blood Leptin and IGF-I in Relation to Birth Weight Differences and Head Circumference in Monozygotic Twins. Journal of Pediatric Endocrinology and Metabolism, 2006, 19, 3-9.	0.4	21
63	Transforming Growth Factor Î²1May Directly Influence Gonadotropin-Releasing Hormone Gene Expression in the Rat Hypothalamus. Endocrinology, 2004, 145, 1794-1801.	1.4	45
64	Minireview: Leptin and Development of Hypothalamic Feeding Circuits. Endocrinology, 2004, 145, 2621-2626.	1.4	194
65	Trophic Action of Leptin on Hypothalamic Neurons That Regulate Feeding. Science, 2004, 304, 108-110.	6.0	1,102
66	Formation of Projection Pathways from the Arcuate Nucleus of the Hypothalamus to Hypothalamic Regions Implicated in the Neural Control of Feeding Behavior in Mice. Journal of Neuroscience, 2004, 24, 2797-2805.	1.7	504
67	Regulation by Gonadal Steroids of the mRNA Encoding for a Type I Receptor for TGF-Î² in the Female Rat Hypothalamus. Neuroendocrinology, 2002, 76, 1-7.	1.2	9
68	Comparative distribution of mRNA encoding the growth hormone secretagogue-receptor (GHS-R) inMicrocebus murinus (Primate, Lemurian) and rat forebrain and pituitary. Journal of Comparative Neurology, 2001, 429, 469-489.	0.9	117
69	Microwave Strategy for Improving the Simultaneous Detection of Estrogen Receptor and Galanin Receptor mRNA in the Rat Hypothalamus. Journal of Histochemistry and Cytochemistry, 2001, 49, 901-910.	1.3	9
70	Evidence that TGFÎ² May Directly Modulate POMC mRNA Expression in the Female Rat Arcuate Nucleus. Endocrinology, 2001, 142, 4055-4065.	1.4	17
71	Expression of GalR1 and GalR2 Galanin Receptor Messenger Ribonucleic Acid in Proopiomelanocortin Neurons of the Rat Arcuate Nucleus: Effect of Testosterone*. Endocrinology, 2000, 141, 1780-1794.	1.4	35
72	Growth-Associated Protein-43 Messenger Ribonucleic Acid Expression in Gonadotropin-Releasing Hormone Neurons during the Rat Estrous Cycle. Endocrinology, 2000, 141, 1648-1657.	1.4	17

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73	Median eminence nitric oxide signaling. Brain Research Reviews, 2000, 34, 27-41.	9.1	47
74	Î¼ Opioid receptor mRNA expression in neuronal nitric oxide synthase-immunopositive preoptic area neurons. Molecular Brain Research, 2000, 80, 46-52.	2.5	8
75	Lipopolysaccharide increases endogenous morphine levels in rat brain. Neuroscience Letters, 2000, 293, 135-138.	1.0	18
76	Expression of the galanin receptor subtype Gal-R2 mRNA in the rat hypothalamus. Journal of Chemical Neuroanatomy, 1999, 16, 265-277.	1.0	63
77	Î¼-Opioid receptor mRNA expression in proopiomelanocortin neurons of the rat arcuate nucleus. Molecular Brain Research, 1999, 70, 155-158.	2.5	25
78	Developmental origins of obesity: energy balance pathways â€" appetite. , 0, , 115-123.		2