Antonius Plagge

List of Publications by Year
in descending order

37	1,567	394421 19	377865 34
papers	citations	h-index	g-index

41	41	41	1746
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The imprinted signaling protein XLÎ±s is required for postnatal adaptation to feeding. Nature Genetics, 2004, 36, 818-826.	21.4	279
2	Identification of an imprinting control region affecting the expression of all transcripts in the Gnas cluster. Nature Genetics, 2006, 38, 350-355.	21.4	176
3	A cis-acting control region is required exclusively for the tissue-specific imprinting of Gnas. Nature Genetics, 2004, 36, 894-899.	21.4	157
4	Imprinted Nesp55 Influences Behavioral Reactivity to Novel Environments. Molecular and Cellular Biology, 2005, 25, 3019-3026.	2.3	136
5	Generation of Functioning Nephrons by Implanting Human Pluripotent Stem Cell-Derived Kidney Progenitors. Stem Cell Reports, 2018, 10, 766-779.	4.8	134
6	Physiological functions of the imprinted Gnas locus and its protein variants GÎ±s and XLÎ±s in human and mouse. Journal of Endocrinology, 2008, 196, 193-214.	2.6	99
7	The Alternative Stimulatory G Protein Î±-Subunit XLÎ±s Is a Critical Regulator of Energy and Glucose Metabolism and Sympathetic Nerve Activity in Adult Mice. Journal of Biological Chemistry, 2006, 281, 18989-18999.	3.4	90
8	Neurotractin, A Novel Neurite Outgrowth-promoting Ig-like Protein that Interacts with CEPU-1 and LAMP. Journal of Cell Biology, 1999, 145, 865-876.	5.2	66
9	Imprinting the Gnas locus. Cytogenetic and Genome Research, 2006, 113, 178-187.	1.1	33
10	Multimodal cell tracking from systemic administration to tumour growth by combining gold nanorods and reporter genes. ELife, 2018, 7, .	6.0	33
11	Imprinted Genes, Postnatal Adaptations and Enduring Effects on Energy Homeostasis. Advances in Experimental Medicine and Biology, 2008, 626, 41-61.	1.6	32
12	Assessing the Effectiveness of a Far-Red Fluorescent Reporter for Tracking Stem Cells In Vivo. International Journal of Molecular Sciences, 2018, 19, 19.	4.1	30
13	Impulsive choices in mice lacking imprinted Nesp55. Genes, Brain and Behavior, 2016, 15, 693-701.	2.2	27
14	Multicolour In Vivo Bioluminescence Imaging Using a NanoLucâ€Based BRET Reporter in Combination with Firefly Luciferase. Contrast Media and Molecular Imaging, 2018, 2018, 1-10.	0.8	26
15	The G protein Î± subunit variant XLÎ± _s promotes inositol 1,4,5-trisphosphate signaling and mediates the renal actions of parathyroid hormone in vivo. Science Signaling, 2015, 8, ra84.	3.6	23
16	The Contactin-Related Protein FAR-2 Defines Purkinje Cell Clusters and Labels Subpopulations of Climbing Fibers in the Developing Cerebellum. Molecular and Cellular Neurosciences, 2001, 18, 91-107.	2.2	22
17	Postnatal Changes in the Expression Pattern of the Imprinted Signalling Protein XLÎ±s Underlie the Changing Phenotype of Deficient Mice. PLoS ONE, 2012, 7, e29753.	2.5	20
18	The gene of the neural cell recognition molecule F11: conservedexon-intron arrangement in genes of neural members of the immunoglobulin superfamily. Gene, 1997, 192, 215-225.	2.2	19

#	Article	IF	Citations
19	Loss of XLÎ±s (extra-large Î±s) imprinting results in early postnatal hypoglycemia and lethality in a mouse model of pseudohypoparathyroidism Ib. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6638-6643.	7.1	19
20	Elevated blood pressure, heart rate and body temperature in mice lacking the XLÎ±s protein of the Gnas locus is due to increased sympathetic tone. Experimental Physiology, 2013, 98, 1432-1445.	2.0	17
21	Gene Dosage Effects at the Imprinted Gnas Cluster. PLoS ONE, 2013, 8, e65639.	2.5	17
22	Conditional targeting in mice reveals that hepatic homogentisate 1,2-dioxygenase activity is essential in reducing circulating homogentisic acid and for effective therapy in the genetic disease alkaptonuria. Human Molecular Genetics, 2019, 28, 3928-3939.	2.9	16
23	Firefly luciferase offers superior performance to AkaLuc for tracking the fate of administered cell therapies. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 796-808.	6.4	16
24	A G proteinâ€“coupled, IP3/protein kinase C pathway controlling the synthesis of phosphaturic hormone FGF23. JCI Insight, 2019, 4, .	5.0	16
25	Reductions in hypothalamic Gfap expression, glial cells and Î±-tanycytes in lean and hypermetabolic Gnasxl-deficient mice. Molecular Brain, 2016, 9, 39.	2.6	10
26	Large G protein Î±-subunit XLÎ±s limits clathrin-mediated endocytosis and regulates tissue iron levels in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9559-E9568.	7.1	9
27	GNASHaploinsufficiency Leads to Subcutaneous Tumor Formation With Collagen and Elastin Deposition and Calcification. Endocrine Research, 2009, 34, 1-9.	1.2	8
28	Non-Coding RNAs at the Gnas and Snrpn-Ube3a Imprinted Gene Loci and Their Involvement in Hereditary Disorders. Frontiers in Genetics, 2012, 3, 264.	2.3	8
29	Physiological Dysfunctions Associated with Mutations of the ImprintedGnasLocus. Physiology, 2008, 23, 221-229.	3.1	6
30	Assessing Human Embryonic Stem Cell-Derived Dopaminergic Neuron Progenitor Transplants Using Non-invasive Imaging Techniques. Molecular Imaging and Biology, 2020, 22, 1244-1254.	2.6	5
31	Extra-Large GÎ± Protein (XLÎ±s) Deficiency Causes Severe Adenine-Induced Renal Injury with Massive FGF23 Elevation. Endocrinology, 2020, 161, .	2.8	4
32	Maternal GNAS Contributes to the Extra-Large G Protein Î±-Subunit (XLÎ±s) Expression in a Cell Type-Specific Manner. Frontiers in Genetics, 2021, 12, 680537.	2.3	4
33	Imprinted Genes and Hypothalamic Function. Masterclass in Neuroendocrinology, 2020, , 265-294.	0.1	4
34	Epitope Mapping on Extracellular Domains of Cell-Surface Proteins Using Exonuclease III. , 1996, 66, 319-342.		3
35	Functional comparison of distinctBrachyury+ states in a renal differentiation assay. Biology Open, 2018, 7, .	1.2	2
36	Characterization of a novel obesity phenotype caused by interspecific hybridization. Archives of Physiology and Biochemistry, 2008, 114, 301-330.	2.1	0

#	Article	IF	Citations
37	MON-LB087 Synthesis of Osteocyte-Derived Phosphaturic Hormone FGF23 via IP3/PKC Signaling Downstream of the Extra-Large GÎ± Subunit (XLÎ±s). Journal of the Endocrine Society, 2019, 3, .	0.2	0