BalÃ¡zs Gereben

List of Publications by Year
in descending order

47 papers	4,781 citations	172457 29 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	4175 citing authors

#	Article	IF	Citations
1	Biochemistry, Cellular and Molecular Biology, and Physiological Roles of the Iodothyronine Selenodeiodinases. Endocrine Reviews, 2002, 23, 38-89.	20.1	1,516
2	Cellular and Molecular Basis of Deiodinase-Regulated Thyroid Hormone Signaling1. Endocrine Reviews, 2008, 29, 898-938.	20.1	714
3	The Hedgehog-inducible ubiquitin ligase subunit WSB-1 modulates thyroid hormone activation and PTHrP secretion in the developing growth plate. Nature Cell Biology, 2005, 7, 698-705.	10.3	203
4	American Thyroid Association Guide to Investigating Thyroid Hormone Economy and Action in Rodent and Cell Models. Thyroid, 2014, 24, 88-168.	4.5	173
5	Lipopolysaccharide Induces Type 2 Iodothyronine Deiodinase in the Mediobasal Hypothalamus: Implications for the Nonthyroidal Illness Syndrome. Endocrinology, 2004, 145, 1649-1655.	2.8	166
6	Paradigms of Dynamic Control of Thyroid Hormone Signaling. Endocrine Reviews, 2019, 40, 1000-1047.	20.1	162
7	Selective Proteolysis of Human Type 2 Deiodinase: A Novel Ubiquitin-Proteasomal Mediated Mechanism for Regulation of Hormone Activation. Molecular Endocrinology, 2000, 14, 1697-1708.	3.7	140
8	Paracrine signaling by glial cellâ€"derived triiodothyronine activates neuronal gene expression in the rodent brain and human cells. Journal of Clinical Investigation, 2010, 120, 2206-2217.	8.2	133
9	Deubiquitination of type 2 iodothyronine deiodinase by von Hippelâ€"Lindau proteinâ€"interacting deubiquitinating enzymes regulates thyroid hormone activation. Journal of Clinical Investigation, 2003, 112, 189-196.	8.2	121
10	Scope and limitations of iodothyronine deiodinases in hypothyroidism. Nature Reviews Endocrinology, 2015, 11, 642-652.	9.6	117
11	Characterization of the 5â€²-Flanking and 5â€²-Untranslated Regions of the Cyclic Adenosine 3â€²,5â€²-Monophosphate-Responsive Human Type 2 Iodothyronine Deiodinase Gene1. Endocrinology, 2000, 141, 229-237.	2.8	101
12	Ubiquitination-Induced Conformational Change within the Deiodinase Dimer Is a Switch Regulating Enzyme Activity. Molecular and Cellular Biology, 2007, 27, 4774-4783.	2.3	96
13	Chronic Activation of Î³2 AMPK Induces Obesity and Reduces Î² Cell Function. Cell Metabolism, 2016, 23, 821-836.	16.2	87
14	Type 2 deiodinase polymorphism causes ER stress and hypothyroidism in the brain. Journal of Clinical Investigation, 2018, 129, 230-245.	8.2	75
15	The E3 Ubiquitin Ligase TEB4 Mediates Degradation of Type 2 Iodothyronine Deiodinase. Molecular and Cellular Biology, 2009, 29, 5339-5347.	2.3	73
16	Cloning and Expression of the Chicken Type 2 Iodothyronine 5â€²-Deiodinase. Journal of Biological Chemistry, 1999, 274, 13768-13776.	3.4	70
17	Characterization of the Nuclear Factor-Î°B Responsiveness of the Human dio2 Gene. Endocrinology, 2006, 147, 4419-4429.	2.8	67
18	Transient hypothyroidism favors oligodendrocyte generation providing functional remyelination in the adult mouse brain. ELife, 2017, 6, .	6.0	58

#	Article	IF	Citations
19	Neuronal Hypoxia Induces Hsp40-Mediated Nuclear Import of Type 3 Deiodinase As an Adaptive Mechanism to Reduce Cellular Metabolism. Journal of Neuroscience, 2012, 32, 8491-8500.	3.6	57
20	Ubc6p and Ubc7p Are Required for Normal and Substrate-Induced Endoplasmic Reticulum-Associated Degradation of the Human Selenoprotein Type 2 Iodothyronine Monodeiodinase. Molecular Endocrinology, 2002, 16, 1999-2007.	3.7	56
21	The mRNA Structure Has Potent Regulatory Effects on Type 2 Iodothyronine Deiodinase Expression. Molecular Endocrinology, 2002, 16, 1667-1679.	3.7	48
22	Thyroid Hormone and the Neuroglia: Both Source and Target. Journal of Thyroid Research, 2011, 2011, 1-16.	1.3	47
23	Metabolic Instability of Type 2 Deiodinase Is Transferable To Stable Proteins Independently of Subcellular Localization. Journal of Biological Chemistry, 2006, 281, 31538-31543.	3.4	44
24	A Novel Pathway Regulates Thyroid Hormone Availability in Rat and Human Hypothalamic Neurosecretory Neurons. PLoS ONE, 2012, 7, e37860.	2.5	42
25	Pretranslational Regulation of Type 2 Deiodinase. Thyroid, 2005, 15, 855-864.	4.5	38
26	Characterization of the 5'-Flanking and 5'-Untranslated Regions of the Cyclic Adenosine 3',5'-Monophosphate-Responsive Human Type 2 Iodothyronine Deiodinase Gene. Endocrinology, 2000, 141, 229-237.	2.8	38
27	Thyroid hormone activation by typeÂ2 deiodinase mediates exerciseâ€induced peroxisome proliferatorâ€activated receptorâ€Î³ coactivatorâ€1Î± expression in skeletal muscle. Journal of Physiology, 2016, 594, 5255-5269.	2.9	37
28	Ontogenic Redistribution of Type 2 Deiodinase Messenger Ribonucleic Acid in the Brain of Chicken. Endocrinology, 2004, 145, 3619-3625.	2.8	36
29	Perinatal deiodinase 2 expression in hepatocytes defines epigenetic susceptibility to liver steatosis and obesity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14018-14023.	7.1	34
30	Endotoxin-induced inflammation down-regulates l-type amino acid transporter 1 (LAT1) expression at the bloodâ€"brain barrier of male rats and mice. Fluids and Barriers of the CNS, 2015, 12, 21.	5.0	31
31	Expression Patterns of WSB-1 and USP-33 Underlie Cell-Specific Posttranslational Control of Type 2 Deiodinase in the Rat Brain. Endocrinology, 2007, 148, 4865-4874.	2.8	30
32	Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) Regulates the Hypothalamo-Pituitary-Thyroid (HPT) Axis via Type 2 Deiodinase in Male Mice. Endocrinology, 2016, 157, 2356-2366.	2.8	23
33	The Foxo1-Inducible Transcriptional Repressor Zfp125 Causes Hepatic Steatosis and Hypercholesterolemia. Cell Reports, 2018, 22, 523-534.	6.4	21
34	Variable proopiomelanocortin expression in tanycytes of the adult rat hypothalamus and pituitary stalk. Journal of Comparative Neurology, 2017, 525, 411-441.	1.6	20
35	Distribution and ultrastructural localization of the glucagon-like peptide-1 receptor (GLP-1R) in the rat brain. Brain Structure and Function, 2021, 226, 225-245.	2.3	20
36	A Glial-Neuronal Circuit in the Median Eminence Regulates Thyrotropin-Releasing Hormone-Release via the Endocannabinoid System. IScience, 2020, 23, 100921.	4.1	18

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37	A Transgenic Mouse Model for Detection of Tissue-Specific Thyroid Hormone Action. Endocrinology, 2018, 159, 1159-1171.	2.8	14
38	Early Developmental Disruption of Type 2 Deiodinase Pathway in Mouse Skeletal Muscle Does Not Impair Muscle Function. Thyroid, 2017, 27, 577-586.	4.5	11
39	A unique haplotype of RCCX copy number variation: from the clinics of congenital adrenal hyperplasia to evolutionary genetics. European Journal of Human Genetics, 2017, 25, 702-710.	2.8	10
40	Hepatic Inactivation of the Type 2 Deiodinase Confers Resistance to Alcoholic Liver Steatosis. Alcoholism: Clinical and Experimental Research, 2019, 43, 1376-1383.	2.4	10
41	Minimal requirements for ubiquitination-mediated regulation of thyroid hormone activation. Journal of Molecular Endocrinology, 2014, 53, 217-226.	2.5	9
42	Thyrotropin-Releasing-Hormone-Synthesizing Neurons of the Hypothalamic Paraventricular Nucleus Are Inhibited by Glycinergic Inputs. Thyroid, 2019, 29, 1858-1868.	4.5	5
43	Expression of glucagon-like peptide 1 receptor in neuropeptide Y neurons of the arcuate nucleus in mice. Brain Structure and Function, 2022, 227, 77-87.	2.3	4
44	Different Types of Luciferase Reporters Show Distinct Susceptibility to T3-Evoked Downregulation. Thyroid, 2016, 26, 179-182.	4.5	3
45	Tanycyte specific ablation of diacylglycerol lipase alpha stimulates the hypothalamicâ€pituitaryâ€thyroid axis by decreasing the endocannabinoid mediated inhibition of TRH release. Journal of Neuroendocrinology, 2022, 34, e13079.	2.6	2
46	Variable proopiomelanocortin expression in tanycytes of the adult rat hypothalamus and pituitary stalk. Journal of Comparative Neurology, 2017, 525, spc1-spc1.	1.6	0
47	T3 Enters Axon Terminals of Mouse Cortical Neurons, Is Retrogradely Transported to the Cell Nucleus and Activates Gene Expression. Journal of the Endocrine Society, 2021, 5, A978-A978.	0.2	0