Eddy Rijntjes

List of Publications by Year in descending order

51 papers	1,470 citations	304602 22 h-index	345118 36 g-index
52 all docs	52 docs citations	52 times ranked	2080 citing authors

#	Article	IF	Citations
1	Mechanism-based testing strategy using in vitro approaches for identification of thyroid hormone disrupting chemicals. Toxicology in Vitro, 2013, 27, 1320-1346.	1.1	165
2	Noncanonical thyroid hormone signaling mediates cardiometabolic effects in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11323-E11332.	3.3	93
3	Sex-specific and inter-individual differences in biomarkers of selenium status identified by a calibrated ELISA for selenoprotein P. Redox Biology, 2017, 11, 403-414.	3.9	79
4	Thyroid hormone status defines brown adipose tissue activity and browning of white adipose tissues in mice. Scientific Reports, 2016, 6, 38124.	1.6	71
5	Nonthyroidal Illness Syndrome in Cardiac Illness Involves Elevated Concentrations of 3,5-Diiodothyronine and Correlates with Atrial Remodeling. European Thyroid Journal, 2015, 4, 129-137.	1.2	67
6	Biosynthesis of 3-Iodothyronamine From T4 in Murine Intestinal Tissue. Endocrinology, 2015, 156, 4356-4364.	1.4	63
7	The development of rat Leydig cell progenitors in vitro: how essential is luteinising hormone?. Journal of Endocrinology, 2007, 194, 579-593.	1.2	54
8	Hyperthyroidism and Hypothyroidism in Male Mice and Their Effects on Bone Mass, Bone Turnover, and the Wnt Inhibitors Sclerostin and Dickkopf-1. Endocrinology, 2015, 156, 3517-3527.	1.4	53
9	Mammalian Trit1 is a tRNA[Ser]Sec-isopentenyl transferase required for full selenoprotein expression. Biochemical Journal, 2013, 450, 427-432.	1.7	45
10	Selenoprotein P is the essential selenium transporter for bones. Metallomics, 2014, 6, 1043-1049.	1.0	44
11	Severe selenium deficits in pregnant women irrespective of autoimmune thyroid disease in an area with marginal selenium intake. Journal of Trace Elements in Medicine and Biology, 2017, 44, 186-191.	1.5	42
12	Serum selenium, selenoprotein P and glutathione peroxidase 3 as predictors of mortality and recurrence following breast cancer diagnosis: A multicentre cohort study. Redox Biology, 2021, 47, 102145.	3.9	40
13	Selenoprotein P in seminal fluid is a novel biomarker of sperm quality. Biochemical and Biophysical Research Communications, 2014, 443, 905-910.	1.0	35
14	Quantitative Analysis of Thyroid Hormone Metabolites in Cell Culture Samples Using LC-MS/MS. European Thyroid Journal, 2015, 4, 51-58.	1.2	35
15	Copper to Zinc Ratio as Disease Biomarker in Neonates with Early-Onset Congenital Infections. Nutrients, 2017, 9, 343.	1.7	32
16	Avoiding the pitfalls when quantifying thyroid hormones and their metabolites using mass spectrometric methods: The role of quality assurance. Molecular and Cellular Endocrinology, 2017, 458, 44-56.	1.6	26
17	Prolonged hypothyroidism severely reduces ovarian follicular reserve in adult rats. Journal of Ovarian Research, 2017, 10, 19.	1.3	26
18	3-Iodothyronamine Decreases Expression of Genes Involved in Iodide Metabolism in Mouse Thyroids and Inhibits Iodide Uptake in PCCL3 Thyrocytes. Thyroid, 2017, 27, 11-22.	2.4	26

#	Article	IF	Citations
19	Thyroid hormone status affects expression of daily torpor and gene transcription in Djungarian hamsters (Phodopus sungorus). Hormones and Behavior, 2015, 75, 120-129.	1.0	25
20	Dietaryâ€Induced Hyperthyroidism Marginally Affects Neonatal Testicular Development. Journal of Andrology, 2008, 29, 643-653.	2.0	24
21	A combined LC-MS/MS and LC-MS3 multi-method for the quantification of iodothyronines in human blood serum. Analytical and Bioanalytical Chemistry, 2019, 411, 5605-5616.	1.9	23
22	Selenium deficiency is linearly associated with hypoglycemia in healthy adults. Redox Biology, 2020, 37, 101709.	3.9	23
23	Dietary-Induced Chronic Hypothyroidism Negatively Affects Rat Follicular Development and Ovulation Rate and Is Associated with Oxidative Stress1. Biology of Reproduction, 2016, 94, 90.	1.2	22
24	Canonical TSH Regulation of Cathepsin-Mediated Thyroglobulin Processing in the Thyroid Gland of Male Mice Requires Taar1 Expression. Frontiers in Pharmacology, 2018, 9, 221.	1.6	22
25	Role of Selenium Intake for Risk and Development of Hyperthyroidism. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 568-580.	1.8	22
26	Sclerostin Blockade and Zoledronic Acid Improve Bone Mass and Strength in Male Mice With Exogenous Hyperthyroidism. Endocrinology, 2017, 158, 3765-3777.	1.4	20
27	Testing for heterotopia formation in rats after developmental exposure to selected inÂvitro inhibitors of thyroperoxidase. Environmental Pollution, 2021, 283, 117135.	3.7	19
28	Prenatal induced chronic dietary hypothyroidism delays but does not block adult-type Leydig cell development. American Journal of Physiology - Endocrinology and Metabolism, 2009, 296, E305-E314.	1.8	18
29	Se- and S-Based Thiouracil and Methimazole Analogues Exert Different Inhibitory Mechanisms on Type 1 and Type 2 Deiodinases. European Thyroid Journal, 2013, 2, 252-258.	1.2	18
30	Selenium status in neonates with connatal infection. British Journal of Nutrition, 2016, 116, 504-513.	1.2	17
31	A validated LC-MS/MS method for cellular thyroid hormone metabolism: Uptake and turnover of mono-iodinated thyroid hormone metabolites by PCCL3 thyrocytes. PLoS ONE, 2017, 12, e0183482.	1.1	17
32	3,5-T2â€”A Janus-Faced Thyroid Hormone Metabolite Exerts Both Canonical T3-Mimetic Endocrine and Intracrine Hepatic Action. Frontiers in Endocrinology, 2019, 10, 787.	1.5	17
33	Dynamics of Leydig Cell Regeneration After EDS. , 2007, , 91-116.		17
34	Restoration of type 1 iodothyronine deiodinase expression in renal cancer cells downregulates oncoproteins and affects key metabolic pathways as well as anti-oxidative system. PLoS ONE, 2017, 12, e0190179.	1.1	17
35	Gene expression analysis and microdialysis suggest hypothalamic triiodothyronine (T3) gates daily torpor in Djungarian hamsters (Phodopus sungorus). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2017, 187, 857-868.	0.7	16
36	Disruption of <scp>BMP</scp> Signaling Prevents Hyperthyroidismâ€Induced Bone Loss in Male Mice. Journal of Bone and Mineral Research, 2020, 35, 2058-2069.	3.1	13

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37	Pronounced Trace Element Variation in Follicular Fluids of Subfertile Women Undergoing Assisted Reproduction. Nutrients, 2021, 13, 4134.	1.7	13
38	Increased Incidence of Hashimoto Thyroiditis in Selenium Deficiency: A Prospective 6-Year Cohort Study. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e3603-e3611.	1.8	13
39	The Effects of Thyroid Hormones on Gene Expression of Acyl-Coenzyme A Thioesterases in Adipose Tissue and Liver of Mice. European Thyroid Journal, 2015, 4, 59-66.	1.2	12
40	The Role of Dickkopf-1 in Thyroid Hormoneâ€“Induced Changes of Bone Remodeling in Male Mice. Endocrinology, 2019, 160, 664-674.	1.4	12
41	Perinatal exposure to the thyroperoxidase inhibitors methimazole and amitrole perturbs thyroid hormone system signaling and alters motor activity in rat offspring. Toxicology Letters, 2022, 354, 44-55.	0.4	12
42	Transient Hypothyroidism: Dual Effect on Adult-Type Leydig Cell and Sertoli Cell Development. Frontiers in Physiology, 2017, 8, 323.	1.3	11
43	High T3, Low T4 Serum Levels in Mct8 Deficiency Are Not Caused by Increased Hepatic Conversion through Type I Deiodinase. European Thyroid Journal, 2015, 4, 87-91.	1.2	10
44	The Effect of High Dose Isoflavone Supplementation on Serum Reverse T3 in Euthyroid Men With Type 2 Diabetes and Post-menopausal Women. Frontiers in Endocrinology, 2018, 9, 698.	1.5	9
45	Lack of the Thyroid Hormone Transporter Mct8 in Osteoblast and Osteoclast Progenitors Increases Trabecular Bone in Male Mice. Thyroid, 2020, 30, 329-342.	2.4	9
46	Establishment of an Effective Radioiodide Thyroid Ablation Protocol in Mice. European Thyroid Journal, 2015, 4, 74-80.	1.2	8
47	Oncostatin-M inhibits luteinizing hormone stimulated Leydig cell progenitor formation in vitro. Reproductive Biology and Endocrinology, 2007, 5, 43.	1.4	7
48	Tentative Application of a Streamlined Protocol to Determine Organ-Specific Regulations of Deiodinase 1 and Dehalogenase Activities as Readouts of the Hypothalamus-Pituitary-Thyroid-Periphery-Axis. Frontiers in Toxicology, 2022, 4, 822993.	1.6	3
49	Chronic hypothyroidism only marginally affects adultâ€type Leydig cell regeneration after EDS administration. Journal of Developmental and Physical Disabilities, 2010, 33, e123-31.	3.6	2
50	A combined LC-MS/MS and LC-MS3 multi-method for the quantification of iodothyronines in human blood serum. , 2019, 411, 5605.		1
51	A combined LC-MS/MS and LC-MS3 multi-method for the quantification of iodothyronines in human blood serum. , 2019, 411, 5605.		1