Jonathan R Seckl

List of Publications by Year
in descending order

74 papers	8,044 citations	101543 36 h-index	102487 66 g-index
114 all docs	114 docs citations	114 times ranked	7235 citing authors

#	Article	IF	Citations
1	Hair glucocorticoids are associated with childhood adversity, depressive symptoms and reduced global and lobar grey matter in Generation Scotland. Translational Psychiatry, 2021, 11, 523.	4.8	13
2	Maternal Glucocorticoid Metabolism Across Pregnancy: A Potential Mechanism Underlying Fetal Glucocorticoid Exposure. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e782-e790.	3.6	13
3	Face coverings and respiratory tract droplet dispersion. Royal Society Open Science, 2020, 7, 201663.	2.4	34
4	Predictors of Nephrolithiasis, Osteoporosis, and Mortality in Primary Hyperparathyroidism. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 3692-3700.	3.6	33
5	Mining for Oxysterols in Cyp7b1â^'/â^' Mouse Brain and Plasma: Relevance to Spastic Paraplegia Type 5. Biomolecules, 2019, 9, 149.	4.0	14
6	Predicting outcomes and complications following radioiodine therapy in Gravesâ€™ thyrotoxicosis. Clinical Endocrinology, 2019, 90, 192-199.	2.4	38
7	Cohort profile for the STratifying Resilience and Depression Longitudinally (STRADL) study: A depression-focused investigation of Generation Scotland, using detailed clinical, cognitive, and neuroimaging assessments. Wellcome Open Research, 2019, 4, 185.	1.8	27
8	Presentation, diagnostic assessment and surgical outcomes in primary hyperparathyroidism: a single centreâ€™s experience. Endocrine Connections, 2018, 7, 1105-1115.	1.9	13
9	Selection and early clinical evaluation of the brainâ€penetrant 11Î²â€hydroxysteroid dehydrogenase type 1 (11Î²â€HSD1) inhibitor UE2343 (Xanamemâ„¢). British Journal of Pharmacology, 2017, 174, 396-408.	5.4	40
10	Dynamic Changes in DNA Methylation Occur during the First Year of Life in Preterm Infants. Frontiers in Endocrinology, 2016, 7, 158.	3.5	24
11	Pravastatin ameliorates placental vascular defects, fetal growth, and cardiac function in a model of glucocorticoid excess. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6265-6270.	7.1	35
12	11Î²-Hydroxysteroid Dehydrogenase Type 1 Is Expressed in Neutrophils and Restrains an Inflammatory Response in Male Mice. Endocrinology, 2016, 157, 2928-2936.	2.8	36
13	Genetic identification of thiosulfate sulfurtransferase as an adipocyte-expressed antidiabetic target in mice selected for leanness. Nature Medicine, 2016, 22, 771-779.	30.7	57
14	Thyrotropin Receptor Antibody Levels at Diagnosis and After Thionamide Course Predict Graves' Disease Relapse. Thyroid, 2016, 26, 1004-1009.	4.5	37
15	Generation and 3-Dimensional Quantitation of Arterial Lesions in Mice Using Optical Projection Tomography. Journal of Visualized Experiments, 2015, , e50627.	0.3	3
16	Overexpression of mineralocorticoid receptors does not affect memory and anxiety-like behavior in female mice. Frontiers in Behavioral Neuroscience, 2015, 9, 182.	2.0	15
17	Sex-Differences in the Metabolic Health of Offspring of Parents with Diabetes: A Record-Linkage Study. PLoS ONE, 2015, 10, e0134883.	2.5	12
18	Short-term inhibition of 11Î²-hydroxysteroid dehydrogenase type 1Âreversibly improves spatial memory but persistently impairs contextual fear memory in aged mice. Neuropharmacology, 2015, 91, 71-76.	4.1	22

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19	Maternal high-fat diet acts as a stressor increasing maternal glucocorticoidsâ€™ signaling to the fetus and disrupting maternal behavior and brain activation in C57BL/6J mice. Psychoneuroendocrinology, 2015, 60, 138-150.	2.7	66
20	5Î±-Reduced Neurosteroids Sex-Dependently Reverse Central Prenatal Programming of Neuroendocrine Stress Responses in Rats. Journal of Neuroscience, 2015, 35, 666-677.	3.6	39
21	Dynamics of DNA methylation at IGF2 in preterm and term infants during the first year of life: an observational study. Lancet, The, 2015, 385, S81.	13.7	7
22	Cognitive and Disease-Modifying Effects of 11Î²-Hydroxysteroid Dehydrogenase Type 1 Inhibition in Male Tg2576 Mice, a Model of Alzheimer's Disease. Endocrinology, 2015, 156, 4592-4603.	2.8	48
23	Intrahippocampal glucocorticoids generated by 11Î²-HSD1 affect memory in aged mice. Neurobiology of Aging, 2015, 36, 334-343.	3.1	37
24	Adipocyte Pseudohypoxia Suppresses Lipolysis and Facilitates Benign Adipose Tissue Expansion. Diabetes, 2015, 64, 733-745.	0.6	49
25	Effects of Mineralocorticoid Receptor Overexpression on Anxiety and Memory after Early Life Stress in Female Mice. Frontiers in Behavioral Neuroscience, 2015, 9, 374.	2.0	18
26	Inhibiting 11Î²-hydroxysteroid dehydrogenase type 1 prevents stress effects on hippocampal synaptic plasticity and impairs contextual fear conditioning. Neuropharmacology, 2014, 81, 231-236.	4.1	28
27	24S,25-Epoxycholesterol in mouse and rat brain. Biochemical and Biophysical Research Communications, 2014, 449, 229-234.	2.1	20
28	Elevation of 11Î²-hydroxysteroid dehydrogenase type 2 activity in Holocaust survivor offspring: Evidence for an intergenerational effect of maternal trauma exposure. Psychoneuroendocrinology, 2014, 48, 1-10.	2.7	45
29	Sex-specific effects of prenatal stress on glucose homoeostasis and peripheral metabolism in rats. Journal of Endocrinology, 2013, 217, 161-173.	2.6	47
30	Glucocorticoids, prenatal stress and the programming of disease. Hormones and Behavior, 2011, 59, 279-289.	2.1	704
31	11Î²-Hydroxysteroid Dehydrogenase Type 2 Deficiency Accelerates Atherogenesis and Causes Proinflammatory Changes in the Endothelium in Apoeâ^'/â^' Mice. Endocrinology, 2011, 152, 236-246.	2.8	89
32	Enduring effects of severe developmental adversity, including nutritional deprivation, on cortisol metabolism in aging Holocaust survivors. Journal of Psychiatric Research, 2009, 43, 877-883.	3.1	89
33	Glucocorticoid hormone programming in early-life and its impact on adult health. Expert Review of Endocrinology and Metabolism, 2006, 1, 3-7.	2.4	1
34	Targeting 11Î²-hydroxysteroid dehydrogenase type 1 in brain: therapy for cognitive aging?. Expert Review of Endocrinology and Metabolism, 2006, 1, 527-536.	2.4	1
35	Glucocorticoid Programming. Annals of the New York Academy of Sciences, 2004, 1032, 63-84.	3.8	529
36	Prenatal glucocorticoids and long-term programming. European Journal of Endocrinology, 2004, 151, U49-U62.	3.7	696

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37	11Î²-hydroxysteroid dehydrogenases: changing glucocorticoid action. Current Opinion in Pharmacology, 2004, 4, 597-602.	3.5	169
38	11Î²-hydroxysteroid dehydrogenase type 1 as a modulator of glucocorticoid action: from metabolism to memory. Trends in Endocrinology and Metabolism, 2004, 15, 418-424.	7.1	116
39	Glucocorticoids and 11beta-Hydroxysteroid Dehydrogenase in Adipose Tissue. Endocrine Reviews, 2004, 59, 359-393.	6.7	215
40	Elevated Glucocorticoid Levels Are Associated with Temporal Lobe Atrophy and Impaired Cognitive Function in Healthy Elderly Men. Clinical Science, 2003, 104, 39P-39P.	0.0	0
41	11Î²-HYDROXYSTEROID DEHYDROGENASES: A NOVEL CONTROL OF GLUCOCORTICOID ACTION IN THE BRAIN. Endocrine Research, 2002, 28, 701-707.	1.2	25
42	A Transgenic Model of Visceral Obesity and the Metabolic Syndrome. Science, 2001, 294, 2166-2170.	12.6	1,622
43	cyp7b1 catalyses the 7Î±-hydroxylation of dehydroepiandrosterone and25-hydroxycholesterol in rat prostate. Biochemical Journal, 2001, 355, 509-515.	3.7	37
44	Adjuvant-induced joint inflammation causes very rapid transcription of Î²-preprotachykinin and Î±-CGRP genes in innervating sensory ganglia. Journal of Neurochemistry, 2001, 77, 372-382.	3.9	62
45	Intracellular Regeneration of Glucocorticoids by 11Â-Hydroxysteroid Dehydrogenase (11Â-HSD)-1 Plays a Key Role in Regulation of the Hypothalamic-Pituitary-Adrenal Axis: Analysis of 11Â-HSD-1-Deficient Mice. Endocrinology, 2001, 142, 114-120.	2.8	50
46	Minireview: 11Â-Hydroxysteroid Dehydrogenase Type 1-- A Tissue-Specific Amplifier of Glucocorticoid Action. Endocrinology, 2001, 142, 1371-1376.	2.8	236
47	Choice of spectroscopic lineshape model affects metabolite peak areas and area ratios. Magnetic Resonance in Medicine, 2000, 44, 646-649.	3.0	53
48	Early and delayed induction of immediate early gene expression in a novel focal cerebral ischemia model in the rat. European Journal of Neuroscience, 2000, 12, 3615-3625.	2.6	41
49	Inhibition of 11Î²â€hydroxysteroid dehydrogenase, the foetoâ€placental barrier to maternal glucocorticoids, permanently programs amygdala GR mRNA expression and anxietyâ€like behaviour in the offspring. European Journal of Neuroscience, 2000, 12, 1047-1054.	2.6	321
50	Glucocorticoids and the ageing hippocampus. Journal of Anatomy, 2000, 197, 553-562.	1.5	94
51	Selective effects on NGFI-A, MR, GR and NGFI-B hippocampal mRNA expression after chronic treatment with different subclasses of antidepressants in the rat. Psychopharmacology, 2000, 151, 7-12.	3.1	65
52	Impaired Glucose Tolerance and Elevated Blood Pressure in Low Birth Weight, Nonobese, Young South African Adults: Early Programming of Cortisol Axis1. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 4611-4618.	3.6	225
53	Tissue-Specific Messenger Ribonucleic Acid Expression of 11Î²-Hydroxysteroid Dehydrogenase Types 1 and 2 and the Glucocorticoid Receptor within Rat Placenta Suggests Exquisite Local Control of Glucocorticoid Action¹. Endocrinology, 1998, 139, 1517-1523.	2.8	102
54	Inhibition of 11Î²-Hydroxysteroid Dehydrogenase Type 1. Expert Opinion on Therapeutic Targets, 1997, 1, 223-227.	1.0	0

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55	The 11beta-Hydroxysteroid Dehydrogenase System, A Determinant of Glucocorticoid and Mineralocorticoid Action. Medical and Physiological Aspects of the 11beta-Hydroxysteroid Dehydrogenase System. FEBS Journal, 1997, 249, 361-364.	0.2	69
56	Placental 11Î²â€hydroxysteroid dehydrogenase: a key regulator of fetal glucocorticoid exposure. Clinical Endocrinology, 1997, 46, 161-166.	2.4	474
57	Purification of 11 Î²-hydroxysteroid dehydrogenase type 2 from human placenta utilizing a novel affinity labelling technique. Biochemical Journal, 1996, 313, 997-1005.	3.7	54
58	Cloning and production of antisera to human placental 11 Î²-hydroxysteroid dehydrogenase type 2. Biochemical Journal, 1996, 313, 1007-1017.	3.7	198
59	11Î²-hydroxysteroid dehydrogenase type 1 expression in 2S FAZA hepatoma cells is hormonally regulated: a model system for the study of hepatic glucocorticoid metabolism. Biochemical Journal, 1996, 317, 621-625.	3.7	91
60	Essential hypertension : Should we operate?. Clinical Endocrinology, 1996, 44, 611-612.	2.4	0
61	Inhibition of 11Î²-Hydroxysteroid Dehydrogenase in Pregnant Rats and the Programming of Blood Pressure in the Offspring. Hypertension, 1996, 27, 1200-1204.	2.7	280
62	Fetal osteocalcin levels are related to placental 11Î²-hydroxysteroid dehydrogenase activity in humans. Clinical Endocrinology, 1995, 42, 551-555.	2.4	30
63	Thyroid cancer management. Clinical Endocrinology, 1995, 42, 651-655.	2.4	23
64	Glucocorticoids Regulate Hippocampal 11?-Hydroxysteroid Dehydrogenase Activity and Gene Expression in vivo in the Rat. Journal of Neuroendocrinology, 1994, 6, 285-290.	2.6	71
65	Endogenous Glucocorticoids and the Induction and Spread of Monoarthritis in the Rat. Journal of Neuroendocrinology, 1994, 6, 649-654.	2.6	7
66	Entorhinal Cortex Lesions Transiently Alter Glucocorticoid but Not Mineralocorticoid Receptor Gene Expression in the Rat Hippocampus. Journal of Neurochemistry, 1993, 61, 356-359.	3.9	4
67	Diabetes Insipidus. Drugs, 1992, 44, 216-224.	10.9	25
68	1lÎ²-Hydroxysteroid Dehydrogenase in Vascular Smooth Muscle and Heart: Implications for Cardiovascular Responses to Glucocorticoids*. Endocrinology, 1991, 129, 3305-3312.	2.8	144
69	11Beta-Hydroxysteroid Dehydrogenase Messenger Ribonucleic Acid Expression, Bioactivity and Immunoreactivity in Rat Cerebellum. Journal of Neuroendocrinology, 1990, 2, 853-858.	2.6	37
70	Central 5,7-Dihydroxytryptamine Lesions Decrease Hippocampal Glucocorticoid and Mineralocorticoid Receptor Messenger Ribonucleic Acid Expression. Journal of Neuroendocrinology, 1990, 2, 911-916.	2.6	91
71	Cortisol Metabolism. , 0, , 241-268.		14
72	Cohort profile for the STratifying Resilience and Depression Longitudinally (STRADL) study: A depression-focused investigation of Generation Scotland, using detailed clinical, cognitive, and neuroimaging assessments. Wellcome Open Research, 0, 4, 185.	1.8	12

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73	Glucocorticoids and the ageing hippocampus. , 0, .		2
74	Epigenetic programming by maternal behavior. , 0, .		1