

Jonathan R Seckl

List of Publications by Year in descending order

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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	A Transgenic Model of Visceral Obesity and the Metabolic Syndrome. <i>Science</i> , 2001, 294, 2166-2170.	12.6	1,622
2	Glucocorticoids, prenatal stress and the programming of disease. <i>Hormones and Behavior</i> , 2011, 59, 279-289.	2.1	704
3	Prenatal glucocorticoids and long-term programming. <i>European Journal of Endocrinology</i> , 2004, 151, U49-U62.	3.7	696
4	Glucocorticoid Programming. <i>Annals of the New York Academy of Sciences</i> , 2004, 1032, 63-84.	3.8	529
5	Placental 11 β -hydroxysteroid dehydrogenase: a key regulator of fetal glucocorticoid exposure. <i>Clinical Endocrinology</i> , 1997, 46, 161-166.	2.4	474
6	Inhibition of 11 β -hydroxysteroid dehydrogenase, the foeto-placental barrier to maternal glucocorticoids, permanently programs amygdala GR mRNA expression and anxiety-like behaviour in the offspring. <i>European Journal of Neuroscience</i> , 2000, 12, 1047-1054.	2.6	321
7	Inhibition of 11 β -Hydroxysteroid Dehydrogenase in Pregnant Rats and the Programming of Blood Pressure in the Offspring. <i>Hypertension</i> , 1996, 27, 1200-1204.	2.7	280
8	Minireview: 11 β -Hydroxysteroid Dehydrogenase Type 1-- A Tissue-Specific Amplifier of Glucocorticoid Action. <i>Endocrinology</i> , 2001, 142, 1371-1376.	2.8	236
9	Impaired Glucose Tolerance and Elevated Blood Pressure in Low Birth Weight, Nonobese, Young South African Adults: Early Programming of Cortisol Axis1. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000, 85, 4611-4618.	3.6	225
10	Glucocorticoids and 11 β -Hydroxysteroid Dehydrogenase in Adipose Tissue. <i>Endocrine Reviews</i> , 2004, 59, 359-393.	6.7	215
11	Cloning and production of antisera to human placental 11 β -hydroxysteroid dehydrogenase type 2. <i>Biochemical Journal</i> , 1996, 313, 1007-1017.	3.7	198
12	11 β -hydroxysteroid dehydrogenases: changing glucocorticoid action. <i>Current Opinion in Pharmacology</i> , 2004, 4, 597-602.	3.5	169
13	11 β -Hydroxysteroid Dehydrogenase in Vascular Smooth Muscle and Heart: Implications for Cardiovascular Responses to Glucocorticoids*. <i>Endocrinology</i> , 1991, 129, 3305-3312.	2.8	144
14	11 β -hydroxysteroid dehydrogenase type 1 as a modulator of glucocorticoid action: from metabolism to memory. <i>Trends in Endocrinology and Metabolism</i> , 2004, 15, 418-424.	7.1	116
15	Tissue-Specific Messenger Ribonucleic Acid Expression of 11 β -Hydroxysteroid Dehydrogenase Types 1 and 2 and the Glucocorticoid Receptor within Rat Placenta Suggests Exquisite Local Control of Glucocorticoid Action ¹ . <i>Endocrinology</i> , 1998, 139, 1517-1523.	2.8	102
16	Glucocorticoids and the ageing hippocampus. <i>Journal of Anatomy</i> , 2000, 197, 553-562.	1.5	94
17	Central 5,7-Dihydroxytryptamine Lesions Decrease Hippocampal Glucocorticoid and Mineralocorticoid Receptor Messenger Ribonucleic Acid Expression. <i>Journal of Neuroendocrinology</i> , 1990, 2, 911-916.	2.6	91
18	11 β -hydroxysteroid dehydrogenase type 1 expression in 2S FAZA hepatoma cells is hormonally regulated: a model system for the study of hepatic glucocorticoid metabolism. <i>Biochemical Journal</i> , 1996, 317, 621-625.	3.7	91

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19	Enduring effects of severe developmental adversity, including nutritional deprivation, on cortisol metabolism in aging Holocaust survivors. <i>Journal of Psychiatric Research</i> , 2009, 43, 877-883.	3.1	89
20	11 β -Hydroxysteroid Dehydrogenase Type 2 Deficiency Accelerates Atherogenesis and Causes Proinflammatory Changes in the Endothelium in Apoe \sim / \sim Mice. <i>Endocrinology</i> , 2011, 152, 236-246.	2.8	89
21	Glucocorticoids Regulate Hippocampal 11 β -Hydroxysteroid Dehydrogenase Activity and Gene Expression in vivo in the Rat. <i>Journal of Neuroendocrinology</i> , 1994, 6, 285-290.	2.6	71
22	The 11beta-Hydroxysteroid Dehydrogenase System, A Determinant of Glucocorticoid and Mineralocorticoid Action. <i>Medical and Physiological Aspects of the 11beta-Hydroxysteroid Dehydrogenase System</i> . <i>FEBS Journal</i> , 1997, 249, 361-364.	0.2	69
23	Maternal high-fat diet acts as a stressor increasing maternal glucocorticoids \AA ™ signaling to the fetus and disrupting maternal behavior and brain activation in C57BL/6J mice. <i>Psychoneuroendocrinology</i> , 2015, 60, 138-150.	2.7	66
24	Selective effects on NGFI-A, MR, GR and NGFI-B hippocampal mRNA expression after chronic treatment with different subclasses of antidepressants in the rat. <i>Psychopharmacology</i> , 2000, 151, 7-12.	3.1	65
25	Adjuvant-induced joint inflammation causes very rapid transcription of β -preprotachykinin and β -CGRP genes in innervating sensory ganglia. <i>Journal of Neurochemistry</i> , 2001, 77, 372-382.	3.9	62
26	Genetic identification of thiosulfate sulfurtransferase as an adipocyte-expressed antidiabetic target in mice selected for leanness. <i>Nature Medicine</i> , 2016, 22, 771-779.	30.7	57
27	Purification of 11 β -hydroxysteroid dehydrogenase type 2 from human placenta utilizing a novel affinity labelling technique. <i>Biochemical Journal</i> , 1996, 313, 997-1005.	3.7	54
28	Choice of spectroscopic lineshape model affects metabolite peak areas and area ratios. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 646-649.	3.0	53
29	Intracellular Regeneration of Glucocorticoids by 11 β -Hydroxysteroid Dehydrogenase (11 β -HSD)-1 Plays a Key Role in Regulation of the Hypothalamic-Pituitary-Adrenal Axis: Analysis of 11 β -HSD-1-Deficient Mice. <i>Endocrinology</i> , 2001, 142, 114-120.	2.8	50
30	Adipocyte Pseudohypoxia Suppresses Lipolysis and Facilitates Benign Adipose Tissue Expansion. <i>Diabetes</i> , 2015, 64, 733-745.	0.6	49
31	Cognitive and Disease-Modifying Effects of 11 β -Hydroxysteroid Dehydrogenase Type 1 Inhibition in Male Tg2576 Mice, a Model of Alzheimer's Disease. <i>Endocrinology</i> , 2015, 156, 4592-4603.	2.8	48
32	Sex-specific effects of prenatal stress on glucose homeostasis and peripheral metabolism in rats. <i>Journal of Endocrinology</i> , 2013, 217, 161-173.	2.6	47
33	Elevation of 11 β -hydroxysteroid dehydrogenase type 2 activity in Holocaust survivor offspring: Evidence for an intergenerational effect of maternal trauma exposure. <i>Psychoneuroendocrinology</i> , 2014, 48, 1-10.	2.7	45
34	Early and delayed induction of immediate early gene expression in a novel focal cerebral ischemia model in the rat. <i>European Journal of Neuroscience</i> , 2000, 12, 3615-3625.	2.6	41
35	Selection and early clinical evaluation of the brain \AA penetrant 11 β -hydroxysteroid dehydrogenase type 1 (11 β -HSD1) inhibitor UE2343 (Xanamem \AA , \AA). <i>British Journal of Pharmacology</i> , 2017, 174, 396-408.	5.4	40
36	β -Reduced Neurosteroids Sex-Dependently Reverse Central Prenatal Programming of Neuroendocrine Stress Responses in Rats. <i>Journal of Neuroscience</i> , 2015, 35, 666-677.	3.6	39

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37	Predicting outcomes and complications following radioiodine therapy in Graves'™ thyrotoxicosis. <i>Clinical Endocrinology</i> , 2019, 90, 192-199.	2.4	38
38	11Beta-Hydroxysteroid Dehydrogenase Messenger Ribonucleic Acid Expression, Bioactivity and Immunoreactivity in Rat Cerebellum. <i>Journal of Neuroendocrinology</i> , 1990, 2, 853-858.	2.6	37
39	cyp7b1 catalyses the 7 β -hydroxylation of dehydroepiandrosterone and 25-hydroxycholesterol in rat prostate. <i>Biochemical Journal</i> , 2001, 355, 509-515.	3.7	37
40	Intrahippocampal glucocorticoids generated by 11 β -HSD1 affect memory in aged mice. <i>Neurobiology of Aging</i> , 2015, 36, 334-343.	3.1	37
41	Thyrotropin Receptor Antibody Levels at Diagnosis and After Thionamide Course Predict Graves' Disease Relapse. <i>Thyroid</i> , 2016, 26, 1004-1009.	4.5	37
42	11 β -Hydroxysteroid Dehydrogenase Type 1 Is Expressed in Neutrophils and Restrains an Inflammatory Response in Male Mice. <i>Endocrinology</i> , 2016, 157, 2928-2936.	2.8	36
43	Pravastatin ameliorates placental vascular defects, fetal growth, and cardiac function in a model of glucocorticoid excess. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6265-6270.	7.1	35
44	Face coverings and respiratory tract droplet dispersion. <i>Royal Society Open Science</i> , 2020, 7, 201663.	2.4	34
45	Predictors of Nephrolithiasis, Osteoporosis, and Mortality in Primary Hyperparathyroidism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 3692-3700.	3.6	33
46	Fetal osteocalcin levels are related to placental 11 β -hydroxysteroid dehydrogenase activity in humans. <i>Clinical Endocrinology</i> , 1995, 42, 551-555.	2.4	30
47	Inhibiting 11 β -hydroxysteroid dehydrogenase type 1 prevents stress effects on hippocampal synaptic plasticity and impairs contextual fear conditioning. <i>Neuropharmacology</i> , 2014, 81, 231-236.	4.1	28
48	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. <i>Wellcome Open Research</i> , 2019, 4, 185.	1.8	27
49	Diabetes Insipidus. <i>Drugs</i> , 1992, 44, 216-224.	10.9	25
50	11 β -HYDROXYSTEROID DEHYDROGENASES: A NOVEL CONTROL OF GLUCOCORTICOID ACTION IN THE BRAIN. <i>Endocrine Research</i> , 2002, 28, 701-707.	1.2	25
51	Dynamic Changes in DNA Methylation Occur during the First Year of Life in Preterm Infants. <i>Frontiers in Endocrinology</i> , 2016, 7, 158.	3.5	24
52	Thyroid cancer management. <i>Clinical Endocrinology</i> , 1995, 42, 651-655.	2.4	23
53	Short-term inhibition of 11 β -hydroxysteroid dehydrogenase type 1 reversibly improves spatial memory but persistently impairs contextual fear memory in aged mice. <i>Neuropharmacology</i> , 2015, 91, 71-76.	4.1	22
54	24S,25-Epoxycholesterol in mouse and rat brain. <i>Biochemical and Biophysical Research Communications</i> , 2014, 449, 229-234.	2.1	20

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55	Effects of Mineralocorticoid Receptor Overexpression on Anxiety and Memory after Early Life Stress in Female Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 374.	2.0	18
56	Overexpression of mineralocorticoid receptors does not affect memory and anxiety-like behavior in female mice. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 182.	2.0	15
57	Cortisol Metabolism. , 0, , 241-268.		14
58	Mining for Oxysterols in Cyp7b1 ^{+/+} Mouse Brain and Plasma: Relevance to Spastic Paraplegia Type 5. <i>Biomolecules</i> , 2019, 9, 149.	4.0	14
59	Presentation, diagnostic assessment and surgical outcomes in primary hyperparathyroidism: a single centre's experience. <i>Endocrine Connections</i> , 2018, 7, 1105-1115.	1.9	13
60	Maternal Glucocorticoid Metabolism Across Pregnancy: A Potential Mechanism Underlying Fetal Glucocorticoid Exposure. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e782-e790.	3.6	13
61	Hair glucocorticoids are associated with childhood adversity, depressive symptoms and reduced global and lobar grey matter in Generation Scotland. <i>Translational Psychiatry</i> , 2021, 11, 523.	4.8	13
62	Sex-Differences in the Metabolic Health of Offspring of Parents with Diabetes: A Record-Linkage Study. <i>PLoS ONE</i> , 2015, 10, e0134883.	2.5	12
63	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. <i>Wellcome Open Research</i> , 0, 4, 185.	1.8	12
64	Endogenous Glucocorticoids and the Induction and Spread of Monoarthritis in the Rat. <i>Journal of Neuroendocrinology</i> , 1994, 6, 649-654.	2.6	7
65	Dynamics of DNA methylation at IGF2 in preterm and term infants during the first year of life: an observational study. <i>Lancet, The</i> , 2015, 385, S81.	13.7	7
66	Entorhinal Cortex Lesions Transiently Alter Glucocorticoid but Not Mineralocorticoid Receptor Gene Expression in the Rat Hippocampus. <i>Journal of Neurochemistry</i> , 1993, 61, 356-359.	3.9	4
67	Generation and 3-Dimensional Quantitation of Arterial Lesions in Mice Using Optical Projection Tomography. <i>Journal of Visualized Experiments</i> , 2015, , e50627.	0.3	3
68	Glucocorticoids and the ageing hippocampus. , 0, .		2
69	Glucocorticoid hormone programming in early-life and its impact on adult health. <i>Expert Review of Endocrinology and Metabolism</i> , 2006, 1, 3-7.	2.4	1
70	Targeting 11 β -hydroxysteroid dehydrogenase type 1 in brain: therapy for cognitive aging?. <i>Expert Review of Endocrinology and Metabolism</i> , 2006, 1, 527-536.	2.4	1
71	Epigenetic programming by maternal behavior. , 0, .		1
72	Essential hypertension : Should we operate?. <i>Clinical Endocrinology</i> , 1996, 44, 611-612.	2.4	0

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73	Inhibition of 11 ^β -Hydroxysteroid Dehydrogenase Type 1. Expert Opinion on Therapeutic Targets, 1997, 1, 223-227.	1.0	0
74	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