

Ian C G Weaver

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

11,384
citations

172207

29
h-index

233125

45
g-index

52
all docs

52
docs citations

52
times ranked

9247
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of paternal high-fat diet and maternal rearing environment on the gut microbiota and behavior. <i>Scientific Reports</i> , 2022, 12, .	1.6	9
2	The effect of background strain on the behavioral phenotypes of the <scp>MDGA2</scp>^{+/âˆ²} mouse model of autism spectrum disorder. <i>Genes, Brain and Behavior</i> , 2021, 20, e12696.	1.1	11
3	Decitabine Response in Breast Cancer Requires Efficient Drug Processing and Is Not Limited by Multidrug Resistance. <i>Molecular Cancer Therapeutics</i> , 2020, 19, 1110-1122.	1.9	17
4	Retinoic acid and arsenic trioxide induce lasting differentiation and demethylation of target genes in APL cells. <i>Scientific Reports</i> , 2019, 9, 9414.	1.6	30
5	A Canadian perspective on the developmental origins of health and disease: understanding the past as a way forward. <i>Journal of Developmental Origins of Health and Disease</i> , 2019, 10, 1-4.	0.7	4
6	Cognitive Decline, Cerebral-Spleen Tryptophan Metabolism, Oxidative Stress, Cytokine Production, and Regulation of the Txnip Gene in a Triple Transgenic Mouse Model of Alzheimer Disease. <i>American Journal of Pathology</i> , 2019, 189, 1435-1450.	1.9	21
7	Epigenetic Silencing of TAP1 in Aldefluor+ Breast Cancer Stem Cells Contributes to Their Enhanced Immune Evasion. <i>Stem Cells</i> , 2018, 36, 641-654.	1.4	42
8	Effects of paternal high-fat diet and rearing environment on maternal investment and development of defensive responses in the offspring. <i>Psychoneuroendocrinology</i> , 2018, 91, 20-30.	1.3	21
9	A novel mechanism of plasminogen activation in epithelial and mesenchymal cells. <i>Scientific Reports</i> , 2018, 8, 14091.	1.6	19
10	Phosphoglycerate dehydrogenase inhibition induces p-mTOR-independent autophagy and promotes multilineage differentiation in embryonal carcinoma stem-like cells. <i>Cell Death and Disease</i> , 2018, 9, 990.	2.7	22
11	S100A10, a novel biomarker in pancreatic ductal adenocarcinoma. <i>Molecular Oncology</i> , 2018, 12, 1895-1916.	2.1	36
12	Abstract A07: DNA methylation predicts response of triple-negative breast cancer to all-trans retinoic acid treatment. , 2018, , .		0
13	The essentials of a global index for cognitive function. <i>Translational Neuroscience</i> , 2017, 8, 87-96.	0.7	9
14	Stress and the Emerging Roles of Chromatin Remodeling in Signal Integration and Stable Transmission of Reversible Phenotypes. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 41.	1.0	57
15	Presymptomatic Alterations in Amino Acid Metabolism and DNA Methylation in the Cerebellum of a Murine Model of Niemann-Pick Type C Disease. <i>American Journal of Pathology</i> , 2016, 186, 1582-1597.	1.9	23
16	Effects of Paternal Predation Risk and Rearing Environment on Maternal Investment and Development of Defensive Responses in the Offspring. <i>ENeuro</i> , 2016, 3, ENEURO.0231-16.2016.	0.9	14
17	Breast cancer subtype dictates DNA methylation and ALDH1A3-mediated expression of tumor suppressor RARRES1. <i>Oncotarget</i> , 2016, 7, 44096-44112.	0.8	26
18	Abstract A18: Expression of the tumor suppressor gene RARRES1 in the differentiation hierarchy of breast cancer is regulated by DNA methylation. , 2016, , .		0

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19	Abstract 3661: ALDH1A3-inducible RARRES1 is a tumor suppressor in triple-negative breast cancer and is methylated in claudin-low breast cancers. , 2016, , .		0
20	The methylated-DNA binding protein MBD2 enhances NGFI-A (egr-1)-mediated transcriptional activation of the glucocorticoid receptor. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130513.	1.8	53
21	Integrating Early Life Experience, Gene Expression, Brain Development, and Emergent Phenotypes. Advances in Genetics, 2014, 86, 277-307.	0.8	52
22	Epigenetic traces of childhood maltreatment in peripheral blood: a new strategy to explore gene-environment interactions. British Journal of Psychiatry, 2014, 204, 3-5.	1.7	12
23	Toward an Understanding of the Dynamic Interdependence of Genes and Environment in the Regulation of Phenotype. , 2011, , 209-243.		5
24	Epigenetic Programming of Stress Responses and Trans-Generational Inheritance Through Natural Variations in Maternal Care. Advances in Neurobiology, 2011, , 87-112.	1.3	1
25	TAp73 Acts via the bHLH Hey2 to Promote Long-Term Maintenance of Neural Precursors. Current Biology, 2010, 20, 2058-2065.	1.8	73
26	CBP Histone Acetyltransferase Activity Regulates Embryonic Neural Differentiation in the Normal and Rubinstein-Taybi Syndrome Brain. Developmental Cell, 2010, 18, 114-125.	3.1	160
27	Shaping adult phenotypes through early life environments. Birth Defects Research Part C: Embryo Today Reviews, 2009, 87, 314-326.	3.6	96
28	Epigenetic effects of glucocorticoids. Seminars in Fetal and Neonatal Medicine, 2009, 14, 143-150.	1.1	102
29	Life at the Interface Between a Dynamic Environment and a Fixed Genome: Epigenetic Programming of Stress Responses by Maternal Behavior. , 2009, , 17-39.		9
30	GABAA Receptor Promoter Hypermethylation in Suicide Brain: Implications for the Involvement of Epigenetic Processes. Biological Psychiatry, 2008, 64, 645-652.	0.7	289
31	Regional-specific global cytosine methylation and DNA methyltransferase expression in the adult rat hippocampus. Neuroscience Letters, 2008, 440, 49-53.	1.0	70
32	Variations in DNA Methylation Patterns During the Cell Cycle of HeLa Cells. Epigenetics, 2007, 2, 54-65.	1.3	66
33	Epigenetic Programming by Maternal Behavior and Pharmacological Intervention Nature Versus Nurture: Let's Call The Whole Thing Off. Epigenetics, 2007, 2, 22-28.	1.3	219
34	Acetylation-Induced Transcription Is Required for Active DNA Demethylation in Methylation-Silenced Genes. Molecular and Cellular Biology, 2007, 27, 7462-7474.	1.1	84
35	The Transcription Factor Nerve Growth Factor-Inducible Protein A Mediates Epigenetic Programming: Altering Epigenetic Marks by Immediate-Early Genes. Journal of Neuroscience, 2007, 27, 1756-1768.	1.7	472
36	Maternal care, the epigenome and phenotypic differences in behavior. Reproductive Toxicology, 2007, 24, 9-19.	1.3	242

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37	Maternal Programming of Glucocorticoid Receptor Expression and HPA Responses to Stress Through DNA Methylation in the Rat. , 2007, , 595-617.		0
38	HOW DOES EARLY LIFE SOCIAL ENVIRONMENT SCULPT OUR GENES?. Biology of Reproduction, 2007, 77, 64-64.	1.2	1
39	Maternal Care Associated with Methylation of the Estrogen Receptor- β Promoter and Estrogen Receptor- α Expression in the Medial Preoptic Area of Female Offspring. Endocrinology, 2006, 147, 2909-2915.	1.4	629
40	DNA Methyltransferase 1 Knockdown Activates a Replication Stress Checkpoint. Molecular and Cellular Biology, 2006, 26, 7575-7586.	1.1	81
41	Maternal care effects on the hippocampal transcriptome and anxiety-mediated behaviors in the offspring that are reversible in adulthood. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3480-3485.	3.3	725
42	Maternal programming of steroid receptor expression and phenotype through DNA methylation in the rat. Frontiers in Neuroendocrinology, 2005, 26, 139-162.	2.5	313
43	Reversal of Maternal Programming of Stress Responses in Adult Offspring through Methyl Supplementation: Altering Epigenetic Marking Later in Life. Journal of Neuroscience, 2005, 25, 11045-11054.	1.7	824
44	Epigenetic programming by maternal behavior. Nature Neuroscience, 2004, 7, 847-854.	7.1	5,564
45	Maternal Programming of Individual Differences in Defensive Responses in the Rat. Annals of the New York Academy of Sciences, 2004, 1032, 85-103.	1.8	73
46	Early Environmental Regulation of Hippocampal Glucocorticoid Receptor Gene Expression: Characterization of Intracellular Mediators and Potential Genomic Target Sites. Annals of the New York Academy of Sciences, 2004, 1024, 182-212.	1.8	280
47	Natural Variations in Maternal Care Are Associated with Estrogen Receptor β Expression and Estrogen Sensitivity in the Medial Preoptic Area. Endocrinology, 2003, 144, 4720-4724.	1.4	266
48	FROM MATERNAL CARE TO GENE EXPRESSION: DNA METHYLATION AND THE MATERNAL PROGRAMMING OF STRESS RESPONSES. Endocrine Research, 2002, 28, 699-699.	0.6	97
49	Maternal behavior regulates long-term hippocampal expression of BAX and apoptosis in the offspring. Journal of Neurochemistry, 2002, 82, 998-1002.	2.1	62
50	Early environmental regulation of hippocampal glucocorticoid receptor gene expression: characterization of intracellular mediators and potential genomic target sites. Molecular and Cellular Endocrinology, 2001, 185, 205-218.	1.6	101
51	Epigenetic programming by maternal behavior. , 0, .		1