Ian C G Weaver

List of Publications by Year
in descending order

51 papers	11,384 citations	172457 29 h-index	233421 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. Scientific Reports, 2022, 12, .	3.3	9
2	The effect of background strain on the behavioral phenotypes of the <scp>MDGA2</scp>^{+/â˜’} mouse model of autism spectrum disorder. Genes, Brain and Behavior, 2021, 20, e12696.	2.2	11
3	Decitabine Response in Breast Cancer Requires Efficient Drug Processing and Is Not Limited by Multidrug Resistance. Molecular Cancer Therapeutics, 2020, 19, 1110-1122.	4.1	17
4	Retinoic acid and arsenic trioxide induce lasting differentiation and demethylation of target genes in APL cells. Scientific Reports, 2019, 9, 9414.	3.3	30
5	A Canadian perspective on the developmental origins of health and disease: understanding the past as a way forward. Journal of Developmental Origins of Health and Disease, 2019, 10, 1-4.	1.4	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. American Journal of Pathology, 2019, 189, 1435-1450.	3.8	21
7	Epigenetic Silencing of TAP1 in Aldefluor+ Breast Cancer Stem Cells Contributes to Their Enhanced Immune Evasion. Stem Cells, 2018, 36, 641-654.	3.2	42
8	Effects of paternal high-fat diet and rearing environment on maternal investment and development of defensive responses in the offspring. Psychoneuroendocrinology, 2018, 91, 20-30.	2.7	21
9	A novel mechanism of plasminogen activation in epithelial and mesenchymal cells. Scientific Reports, 2018, 8, 14091.	3.3	19
10	Phosphoglycerate dehydrogenase inhibition induces p-mTOR-independent autophagy and promotes multilineage differentiation in embryonal carcinoma stem-like cells. Cell Death and Disease, 2018, 9, 990.	6.3	22
11	S100A10, a novel biomarker in pancreatic ductal adenocarcinoma. Molecular Oncology, 2018, 12, 1895-1916.	4.6	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. Translational Neuroscience, 2017, 8, 87-96.	1.4	9
14	Stress and the Emerging Roles of Chromatin Remodeling in Signal Integration and Stable Transmission of Reversible Phenotypes. Frontiers in Behavioral Neuroscience, 2017, 11, 41.	2.0	57
15	Presymptomatic Alterations in Amino Acid Metabolism and DNA Methylation in the Cerebellum of a Murine Model of Niemann-Pick Type C Disease. American Journal of Pathology, 2016, 186, 1582-1597.	3.8	23
16	Effects of Paternal Predation Risk and Rearing Environment on Maternal Investment and Development of Defensive Responses in the Offspring. ENeuro, 2016, 3, ENEURO.0231-16.2016.	1.9	14
17	Breast cancer subtype dictates DNA methylation and ALDH1A3-mediated expression of tumor suppressor RARRES1. Oncotarget, 2016, 7, 44096-44112.	1.8	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.	4.0	53
21	Integrating Early Life Experience, Gene Expression, Brain Development, and Emergent Phenotypes. Advances in Genetics, 2014, 86, 277-307.	1.8	52
22	Epigenetic traces of childhood maltreatment in peripheral blood: a new strategy to explore geneâ€“environment interactions. British Journal of Psychiatry, 2014, 204, 3-5.	2.8	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.	1.8	1
25	TAp73 Acts via the bHLH Hey2 to Promote Long-Term Maintenance of Neural Precursors. Current Biology, 2010, 20, 2058-2065.	3.9	73
26	CBP Histone Acetyltransferase Activity Regulates Embryonic Neural Differentiation in the Normal and Rubinstein-Taybi Syndrome Brain. Developmental Cell, 2010, 18, 114-125.	7.0	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.	2.3	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.	1.3	289
31	Regional-specific global cytosine methylation and DNA methyltransferase expression in the adult rat hippocampus. Neuroscience Letters, 2008, 440, 49-53.	2.1	70
32	Variations in DNA Methylation Patterns During the Cell Cycle of HeLa Cells. Epigenetics, 2007, 2, 54-65.	2.7	66
33	Epigenetic Programming by Maternal Behavior and Pharmacological InterventionNature Versus Nurture: Let's Call The Whole Thing Off. Epigenetics, 2007, 2, 22-28.	2.7	219
34	Acetylation-Induced Transcription Is Required for Active DNA Demethylation in Methylation-Silenced Genes. Molecular and Cellular Biology, 2007, 27, 7462-7474.	2.3	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.	3.6	472
36	Maternal care, the epigenome and phenotypic differences in behavior. Reproductive Toxicology, 2007, 24, 9-19.	2.9	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.	2.7	1
39	Maternal Care Associated with Methylation of the Estrogen Receptor-Î±1b Promoter and Estrogen Receptor-Î± Expression in the Medial Preoptic Area of Female Offspring. Endocrinology, 2006, 147, 2909-2915.	2.8	629
40	DNA Methyltransferase 1 Knockdown Activates a Replication Stress Checkpoint. Molecular and Cellular Biology, 2006, 26, 7575-7586.	2.3	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.	7.1	725
42	Maternal programming of steroid receptor expression and phenotype through DNA methylation in the rat. Frontiers in Neuroendocrinology, 2005, 26, 139-162.	5.2	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.	3.6	824
44	Epigenetic programming by maternal behavior. Nature Neuroscience, 2004, 7, 847-854.	14.8	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.	3.8	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.	3.8	280
47	Natural Variations in Maternal Care Are Associated with Estrogen Receptor Î± Expression and Estrogen Sensitivity in the Medial Preoptic Area. Endocrinology, 2003, 144, 4720-4724.	2.8	266
48	FROM MATERNAL CARE TO GENE EXPRESSION: DNA METHYLATION AND THE MATERNAL PROGRAMMING OF STRESS RESPONSES. Endocrine Research, 2002, 28, 699-699.	1.2	97
49	Maternal behavior regulates long-term hippocampal expression of BAX and apoptosis in the offspring. Journal of Neurochemistry, 2002, 82, 998-1002.	3.9	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.	3.2	101
51	Epigenetic programming by maternal behavior. , 0, .		1