

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 | Epigenetic programming by maternal behavior. <i>Nature Neuroscience</i> , 2004, 7, 847-854. | 7.1 | 5,564 |
| 2 | Reversal of Maternal Programming of Stress Responses in Adult Offspring through Methyl Supplementation: Altering Epigenetic Marking Later in Life. <i>Journal of Neuroscience</i> , 2005, 25, 11045-11054. | 1.7 | 824 |
| 3 | Maternal care effects on the hippocampal transcriptome and anxiety-mediated behaviors in the offspring that are reversible in adulthood. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3480-3485. | 3.3 | 725 |
| 4 | Maternal Care Associated with Methylation of the Estrogen Receptor- β Promoter and Estrogen Receptor- β Expression in the Medial Preoptic Area of Female Offspring. <i>Endocrinology</i> , 2006, 147, 2909-2915. | 1.4 | 629 |
| 5 | The Transcription Factor Nerve Growth Factor-Inducible Protein A Mediates Epigenetic Programming: Altering Epigenetic Marks by Immediate-Early Genes. <i>Journal of Neuroscience</i> , 2007, 27, 1756-1768. | 1.7 | 472 |
| 6 | Maternal programming of steroid receptor expression and phenotype through DNA methylation in the rat. <i>Frontiers in Neuroendocrinology</i> , 2005, 26, 139-162. | 2.5 | 313 |
| 7 | GABAA Receptor Promoter Hypermethylation in Suicide Brain: Implications for the Involvement of Epigenetic Processes. <i>Biological Psychiatry</i> , 2008, 64, 645-652. | 0.7 | 289 |
| 8 | Early Environmental Regulation of Hippocampal Glucocorticoid Receptor Gene Expression: Characterization of Intracellular Mediators and Potential Genomic Target Sites. <i>Annals of the New York Academy of Sciences</i> , 2004, 1024, 182-212. | 1.8 | 280 |
| 9 | Natural Variations in Maternal Care Are Associated with Estrogen Receptor β Expression and Estrogen Sensitivity in the Medial Preoptic Area. <i>Endocrinology</i> , 2003, 144, 4720-4724. | 1.4 | 266 |
| 10 | Maternal care, the epigenome and phenotypic differences in behavior. <i>Reproductive Toxicology</i> , 2007, 24, 9-19. | 1.3 | 242 |
| 11 | Epigenetic Programming by Maternal Behavior and Pharmacological Intervention <i>Nature Versus Nurture: Let's Call The Whole Thing Off</i>. <i>Epigenetics</i> , 2007, 2, 22-28. | 1.3 | 219 |
| 12 | CBP Histone Acetyltransferase Activity Regulates Embryonic Neural Differentiation in the Normal and Rubinstein-Taybi Syndrome Brain. <i>Developmental Cell</i> , 2010, 18, 114-125. | 3.1 | 160 |
| 13 | Epigenetic effects of glucocorticoids. <i>Seminars in Fetal and Neonatal Medicine</i> , 2009, 14, 143-150. | 1.1 | 102 |
| 14 | Early environmental regulation of hippocampal glucocorticoid receptor gene expression: characterization of intracellular mediators and potential genomic target sites. <i>Molecular and Cellular Endocrinology</i> , 2001, 185, 205-218. | 1.6 | 101 |
| 15 | FROM MATERNAL CARE TO GENE EXPRESSION: DNA METHYLATION AND THE MATERNAL PROGRAMMING OF STRESS RESPONSES. <i>Endocrine Research</i> , 2002, 28, 699-699. | 0.6 | 97 |
| 16 | Shaping adult phenotypes through early life environments. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2009, 87, 314-326. | 3.6 | 96 |
| 17 | Acetylation-Induced Transcription Is Required for Active DNA Demethylation in Methylation-Silenced Genes. <i>Molecular and Cellular Biology</i> , 2007, 27, 7462-7474. | 1.1 | 84 |
| 18 | DNA Methyltransferase 1 Knockdown Activates a Replication Stress Checkpoint. <i>Molecular and Cellular Biology</i> , 2006, 26, 7575-7586. | 1.1 | 81 |

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|----|---|-----|-----------|
| 19 | Maternal Programming of Individual Differences in Defensive Responses in the Rat. <i>Annals of the New York Academy of Sciences</i> , 2004, 1032, 85-103. | 1.8 | 73 |
| 20 | TAp73 Acts via the bHLH Hey2 to Promote Long-Term Maintenance of Neural Precursors. <i>Current Biology</i> , 2010, 20, 2058-2065. | 1.8 | 73 |
| 21 | Regional-specific global cytosine methylation and DNA methyltransferase expression in the adult rat hippocampus. <i>Neuroscience Letters</i> , 2008, 440, 49-53. | 1.0 | 70 |
| 22 | Variations in DNA Methylation Patterns During the Cell Cycle of HeLa Cells. <i>Epigenetics</i> , 2007, 2, 54-65. | 1.3 | 66 |
| 23 | Maternal behavior regulates long-term hippocampal expression of BAX and apoptosis in the offspring. <i>Journal of Neurochemistry</i> , 2002, 82, 998-1002. | 2.1 | 62 |
| 24 | 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 |
| 25 | The methylated-DNA binding protein MBD2 enhances NGFI-A (egr-1)-mediated transcriptional activation of the glucocorticoid receptor. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130513. | 1.8 | 53 |
| 26 | Integrating Early Life Experience, Gene Expression, Brain Development, and Emergent Phenotypes. <i>Advances in Genetics</i> , 2014, 86, 277-307. | 0.8 | 52 |
| 27 | 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 |
| 28 | S100A10, a novel biomarker in pancreatic ductal adenocarcinoma. <i>Molecular Oncology</i> , 2018, 12, 1895-1916. | 2.1 | 36 |
| 29 | 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 |
| 30 | Breast cancer subtype dictates DNA methylation and ALDH1A3-mediated expression of tumor suppressor RARRES1. <i>Oncotarget</i> , 2016, 7, 44096-44112. | 0.8 | 26 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | A novel mechanism of plasminogen activation in epithelial and mesenchymal cells. <i>Scientific Reports</i> , 2018, 8, 14091. | 1.6 | 19 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | Epigenetic traces of childhood maltreatment in peripheral blood: a new strategy to explore gene-environment interactions. <i>British Journal of Psychiatry</i> , 2014, 204, 3-5. | 1.7 | 12 |
| 39 | The effect of background strain on the behavioral phenotypes of the <i>MDGA2</i> ^{+/Δ} mouse model of autism spectrum disorder. <i>Genes, Brain and Behavior</i> , 2021, 20, e12696. | 1.1 | 11 |
| 40 | The essentials of a global index for cognitive function. <i>Translational Neuroscience</i> , 2017, 8, 87-96. | 0.7 | 9 |
| 41 | Life at the Interface Between a Dynamic Environment and a Fixed Genome: Epigenetic Programming of Stress Responses by Maternal Behavior. , 2009, , 17-39. | | 9 |
| 42 | 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 |
| 43 | Toward an Understanding of the Dynamic Interdependence of Genes and Environment in the Regulation of Phenotype. , 2011, , 209-243. | | 5 |
| 44 | 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 |
| 45 | Epigenetic programming by maternal behavior. , 0, . | | 1 |
| 46 | HOW DOES EARLY LIFE SOCIAL ENVIRONMENT SCULPT OUR GENES?. <i>Biology of Reproduction</i> , 2007, 77, 64-64. | 1.2 | 1 |
| 47 | Epigenetic Programming of Stress Responses and Trans-Generational Inheritance Through Natural Variations in Maternal Care. <i>Advances in Neurobiology</i> , 2011, , 87-112. | 1.3 | 1 |
| 48 | Maternal Programming of Glucocorticoid Receptor Expression and HPA Responses to Stress Through DNA Methylation in the Rat. , 2007, , 595-617. | | 0 |
| 49 | Abstract A18: Expression of the tumor suppressor gene <i>RARRES1</i> in the differentiation hierarchy of breast cancer is regulated by DNA methylation. , 2016, , . | | 0 |
| 50 | Abstract 3661: <i>ALDH1A3</i> -inducible <i>RARRES1</i> is a tumor suppressor in triple-negative breast cancer and is methylated in claudin-low breast cancers. , 2016, , . | | 0 |
| 51 | Abstract A07: DNA methylation predicts response of triple-negative breast cancer to all-trans retinoic acid treatment. , 2018, , . | | 0 |