

Carlos M Guerrero-Bosagna

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

5,730
citations

136740

32
h-index

155451

55
g-index

62
all docs

62
docs citations

62
times ranked

4733
citing authors

#	ARTICLE	IF	CITATIONS
1	GBS-MeDIP: A protocol for parallel identification of genetic and epigenetic variation in the same reduced fraction of genomes across individuals. STAR Protocols, 2022, 3, 101202.	0.5	4
2	Practical application of a Bayesian network approach to poultry epigenetics and stress. BMC Bioinformatics, 2022, 23, .	1.2	2
3	Sperm Methylome Profiling Can Discern Fertility Levels in the Porcine Biomedical Model. International Journal of Molecular Sciences, 2021, 22, 2679.	1.8	15
4	Insect Epigenetic Mechanisms Facing Anthropogenic-Derived Contamination, an Overview. Insects, 2021, 12, 780.	1.0	11
5	From epigenotype to new genotypes: Relevance of epigenetic mechanisms in the emergence of genomic evolutionary novelty. Seminars in Cell and Developmental Biology, 2020, 97, 86-92.	2.3	14
6	Putative Epigenetic Biomarkers of Stress in Red Blood Cells of Chickens Reared Across Different Biomes. Frontiers in Genetics, 2020, 11, 508809.	1.1	16
7	The methylation landscape and its role in domestication and gene regulation in the chicken. Nature Ecology and Evolution, 2020, 4, 1713-1724.	3.4	22
8	DNA methylation variation in the brain of laying hens in relation to differential behavioral patterns. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2020, 35, 100700.	0.4	20
9	DNA methylation in canine brains is related to domestication and dog-breed formation. PLoS ONE, 2020, 15, e0240787.	1.1	9
10	Heavy metals in fish and its association with autoimmunity in the development of juvenile idiopathic arthritis: a prospective birth cohort study. Pediatric Rheumatology, 2019, 17, 33.	0.9	17
11	Mutation dynamics of CpG dinucleotides during a recent event of vertebrate diversification. Epigenetics, 2019, 14, 685-707.	1.3	30
12	Epigenetics and early domestication: differences in hypothalamic DNA methylation between red junglefowl divergently selected for high or low fear of humans. Genetics Selection Evolution, 2018, 50, 13.	1.2	42
13	Biological Dogmas in Relation to the Origin of Evolutionary Novelties. , 2018, , 317-330.		1
14	Transgenerational and Epigenetic Impacts of Environmental Exposures in Male Reproduction. , 2018, , 634-641.		0
15	Stress in the Educational System as a Potential Source of Epigenetic Influences on Children's Development and Behavior. Frontiers in Behavioral Neuroscience, 2018, 12, 143.	1.0	4
16	Transgenerational epigenetic inheritance in birds. Environmental Epigenetics, 2018, 4, dvy008.	0.9	47
17	Evolution with No Reason: A Neutral View on Epigenetic Changes, Genomic Variability, and Evolutionary Novelty. BioScience, 2017, 67, 469-476.	2.2	13
18	Marked for Life: Epigenetic Effects of Endocrine Disrupting Chemicals. Annual Review of Environment and Resources, 2017, 42, 105-160.	5.6	52

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19	DNA methylation profiles in red blood cells of adult hens correlate to their rearing conditions. <i>Journal of Experimental Biology</i> , 2017, 220, 3579-3587.	0.8	46
20	An Epigenetic Perspective on the Midwife Toad Experiments of Paul Kammerer (1880â€“1926). <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2017, 328, 179-192.	0.6	19
21	Epigenetics, evolution and the survival of the non-unfit. <i>Biochemist</i> , 2017, 39, 8-11.	0.2	2
22	Transgenerational Epigenetic Inheritance. , 2016, , 425-437.		2
23	Developmental and Epigenetic Origins of Male Reproductive Pathologies. , 2016, , 171-189.		0
24	Uppsala Consensus Statement on Environmental Contaminants and the Global Obesity Epidemic. <i>Environmental Health Perspectives</i> , 2016, 124, A81-3.	2.8	39
25	Differential Expression of Genes and DNA Methylation associated with Prenatal Protein Undernutrition by Albumen Removal in an avian model. <i>Scientific Reports</i> , 2016, 6, 20837.	1.6	16
26	High type II error and interpretation inconsistencies when attempting to refute transgenerational epigenetic inheritance. <i>Genome Biology</i> , 2016, 17, 153.	3.8	50
27	High-throughput and Cost-effective Chicken Genotyping Using Next-Generation Sequencing. <i>Scientific Reports</i> , 2016, 6, 26929.	1.6	55
28	Bisphenol-A and metabolic diseases: epigenetic, developmental and transgenerational basis. <i>Environmental Epigenetics</i> , 2016, 2, dvw022.	0.9	48
29	Optimized method for methylated DNA immuno-precipitation. <i>MethodsX</i> , 2015, 2, 432-439.	0.7	20
30	Globalization, climate change, and transgenerational epigenetic inheritance: will our descendants be at risk?. <i>Clinical Epigenetics</i> , 2015, 7, 8.	1.8	20
31	Environmentally induced epigenetic transgenerational inheritance of sperm epimutations promote genetic mutations. <i>Epigenetics</i> , 2015, 10, 762-771.	1.3	118
32	Identification of Genomic Features in Environmentally Induced Epigenetic Transgenerational Inherited Sperm Epimutations. <i>PLoS ONE</i> , 2014, 9, e100194.	1.1	50
33	Pesticide Methoxychlor Promotes the Epigenetic Transgenerational Inheritance of Adult-Onset Disease through the Female Germline. <i>PLoS ONE</i> , 2014, 9, e102091.	1.1	198
34	Environmental Epigenetics and Effects on Male Fertility. <i>Advances in Experimental Medicine and Biology</i> , 2014, 791, 67-81.	0.8	23
35	Environmental epigenetics and phytoestrogen/phytochemical exposures. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 139, 270-276.	1.2	52
36	Role of CpG deserts in the epigenetic transgenerational inheritance of differential DNA methylation regions. <i>BMC Genomics</i> , 2014, 15, 692.	1.2	78

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37	Environmentally induced epigenetic transgenerational inheritance of male infertility. <i>Current Opinion in Genetics and Development</i> , 2014, 26, 79-88.	1.5	67
38	Hydrocarbons (jet fuel JP-8) induce epigenetic transgenerational inheritance of obesity, reproductive disease and sperm epimutations. <i>Reproductive Toxicology</i> , 2013, 36, 104-116.	1.3	195
39	Environmentally Induced Epigenetic Transgenerational Inheritance of Altered Sertoli Cell Transcriptome and Epigenome: Molecular Etiology of Male Infertility. <i>PLoS ONE</i> , 2013, 8, e59922.	1.1	119
40	Ancestral dichlorodiphenyltrichloroethane (DDT) exposure promotes epigenetic transgenerational inheritance of obesity. <i>BMC Medicine</i> , 2013, 11, 228.	2.3	334
41	Plastics Derived Endocrine Disruptors (BPA, DEHP and DBP) Induce Epigenetic Transgenerational Inheritance of Obesity, Reproductive Disease and Sperm Epimutations. <i>PLoS ONE</i> , 2013, 8, e55387.	1.1	711
42	Environmentally Induced Transgenerational Epigenetic Reprogramming of Primordial Germ Cells and the Subsequent Germ Line. <i>PLoS ONE</i> , 2013, 8, e66318.	1.1	156
43	Dioxin (TCDD) Induces Epigenetic Transgenerational Inheritance of Adult Onset Disease and Sperm Epimutations. <i>PLoS ONE</i> , 2012, 7, e46249.	1.1	225
44	Transgenerational Actions of Environmental Compounds on Reproductive Disease and Identification of Epigenetic Biomarkers of Ancestral Exposures. <i>PLoS ONE</i> , 2012, 7, e31901.	1.1	380
45	Pesticide and insect repellent mixture (permethrin and DEET) induces epigenetic transgenerational inheritance of disease and sperm epimutations. <i>Reproductive Toxicology</i> , 2012, 34, 708-719.	1.3	177
46	Epigenetic transgenerational inheritance of vinclozolin induced mouse adult onset disease and associated sperm epigenome biomarkers. <i>Reproductive Toxicology</i> , 2012, 34, 694-707.	1.3	228
47	Finalism in Darwinian and Lamarckian Evolution: Lessons from Epigenetics and Developmental Biology. <i>Evolutionary Biology</i> , 2012, 39, 283-300.	0.5	12
48	Environmentally induced epigenetic transgenerational inheritance of phenotype and disease. <i>Molecular and Cellular Endocrinology</i> , 2012, 354, 3-8.	1.6	194
49	Environmentally Induced Epigenetic Transgenerational Inheritance of Ovarian Disease. <i>PLoS ONE</i> , 2012, 7, e36129.	1.1	205
50	Epigenetic transgenerational actions of endocrine disruptors. <i>Reproductive Toxicology</i> , 2011, 31, 337-343.	1.3	232
51	Epigenetic transgenerational actions of environmental factors in disease etiology. <i>Trends in Endocrinology and Metabolism</i> , 2010, 21, 214-222.	3.1	608
52	Epigenetic Transgenerational Actions of Vinclozolin on Promoter Regions of the Sperm Epigenome. <i>PLoS ONE</i> , 2010, 5, e13100.	1.1	362
53	Environmental signals and transgenerational epigenetics. <i>Epigenomics</i> , 2009, 1, 111-117.	1.0	95
54	Epigenetic Transgenerational Effects of Endocrine Disruptors on Male Reproduction. <i>Seminars in Reproductive Medicine</i> , 2009, 27, 403-408.	0.5	60

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55	Epigenetic and phenotypic changes result from a continuous pre and post natal dietary exposure to phytoestrogens in an experimental population of mice. BMC Physiology, 2008, 8, 17.	3.6	96
56	Methylation status in healthy subjects with normal and high serum folate concentration. Nutrition, 2008, 24, 1103-1109.	1.1	29
57	Endocrine Disruptors, Epigenetically Induced Changes, and Transgenerational Transmission of Characters and Epigenetic States. , 2007, , 175-189.		10
58	Environmental signaling and evolutionary change: can exposure of pregnant mammals to environmental estrogens lead to epigenetically induced evolutionary changes in embryos?. Evolution & Development, 2005, 7, 341-350.	1.1	64
59	Effect of homocysteine, folates, and cobalamin on endothelial cell- and copper-induced LDL oxidation. Lipids, 2005, 40, 259-264.	0.7	13
60	Undergraduate teaching of evolution in chile: more than natural selection. Revista Chilena De Historia Natural, 2005, 78, .	0.5	0
61	El Â¿delito? de AristÃ³teles. Revista Chilena De Historia Natural, 2001, 74, 507.	0.5	3