

Eric E Nilsson

List of Publications by Year in descending order

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64
papers

5,340
citations

79946

39
h-index

89383

70
g-index

73
all docs

73
docs citations

73
times ranked

4932
citing authors

#	ARTICLE	IF	CITATIONS
1	Ancestral dichlorodiphenyltrichloroethane (DDT) exposure promotes epigenetic transgenerational inheritance of obesity. <i>BMC Medicine</i> , 2013, 11, 228.	5.7	347
2	Environmentally induced epigenetic transgenerational inheritance of disease. <i>Environmental Epigenetics</i> , 2018, 4, dvy016.	1.9	315
3	Bone Morphogenetic Protein-4 Acts as an Ovarian Follicle Survival Factor and Promotes Primordial Follicle Development. <i>Biology of Reproduction</i> , 2003, 69, 1265-1272.	2.6	240
4	Epigenetic transgenerational inheritance of vinclozolin induced mouse adult onset disease and associated sperm epigenome biomarkers. <i>Reproductive Toxicology</i> , 2012, 34, 694-707.	3.1	233
5	Leukemia inhibitory factor (LIF) promotes the primordial to primary follicle transition in rat ovaries. <i>Molecular and Cellular Endocrinology</i> , 2002, 188, 65-73.	3.3	217
6	Environmentally Induced Epigenetic Transgenerational Inheritance of Ovarian Disease. <i>PLoS ONE</i> , 2012, 7, e36129.	2.5	216
7	Pesticide Methoxychlor Promotes the Epigenetic Transgenerational Inheritance of Adult-Onset Disease through the Female Germline. <i>PLoS ONE</i> , 2014, 9, e102091.	2.5	205
8	Environmentally Induced Transgenerational Epigenetic Reprogramming of Primordial Germ Cells and the Subsequent Germ Line. <i>PLoS ONE</i> , 2013, 8, e66318.	2.5	161
9	Assessment of Glyphosate Induced Epigenetic Transgenerational Inheritance of Pathologies and Sperm Epimutations: Generational Toxicology. <i>Scientific Reports</i> , 2019, 9, 6372.	3.4	158
10	Alterations in sperm DNA methylation, non-coding RNA and histone retention associate with DDT-induced epigenetic transgenerational inheritance of disease. <i>Epigenetics and Chromatin</i> , 2018, 11, 8.	3.9	155
11	Alterations in sperm DNA methylation, non-coding RNA expression, and histone retention mediate vinclozolin-induced epigenetic transgenerational inheritance of disease. <i>Environmental Epigenetics</i> , 2018, 4, dvy010.	1.9	130
12	Growth and Differentiation Factor-9 Stimulates Progression of Early Primary but Not Primordial Rat Ovarian Follicle Development1. <i>Biology of Reproduction</i> , 2002, 67, 1018-1024.	2.6	128
13	Kit ligand and basic fibroblast growth factor interactions in the induction of ovarian primordial to primary follicle transition. <i>Molecular and Cellular Endocrinology</i> , 2004, 214, 19-25.	3.3	127
14	Environmentally Induced Epigenetic Transgenerational Inheritance of Altered Sertoli Cell Transcriptome and Epigenome: Molecular Etiology of Male Infertility. <i>PLoS ONE</i> , 2013, 8, e59922.	2.5	123
15	Environmentally induced epigenetic transgenerational inheritance of disease susceptibility. <i>Translational Research</i> , 2015, 165, 12-17.	5.2	117
16	Epigenetics and the Evolution of Darwin's Finches. <i>Genome Biology and Evolution</i> , 2014, 6, 1972-1989.	2.6	114
17	Atrazine induced epigenetic transgenerational inheritance of disease, lean phenotype and sperm epimutation pathology biomarkers. <i>PLoS ONE</i> , 2017, 12, e0184306.	2.5	114
18	Inhibitory Actions of Anti-Müllerian Hormone (AMH) on Ovarian Primordial Follicle Assembly. <i>PLoS ONE</i> , 2011, 6, e20087.	2.5	96

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19	Environmentally Induced Epigenetic Transgenerational Inheritance of Reproductive Disease1. <i>Biology of Reproduction</i> , 2015, 93, 145.	2.6	78
20	Vinclozolin induced epigenetic transgenerational inheritance of pathologies and sperm epimutation biomarkers for specific diseases. <i>PLoS ONE</i> , 2018, 13, e0202662.	2.5	67
21	Epigenetics and adaptive phenotypic variation between habitats in an asexual snail. <i>Scientific Reports</i> , 2017, 7, 14139.	3.4	66
22	Progesterone regulation of primordial follicle assembly in bovine fetal ovaries. <i>Molecular and Cellular Endocrinology</i> , 2009, 313, 9-16.	3.3	62
23	Epigenetics and transgenerational inheritance in domesticated farm animals. <i>Journal of Animal Science and Biotechnology</i> , 2014, 5, 48.	5.5	55
24	Transgenerational sperm DNA methylation epimutation developmental origins following ancestral vinclozolin exposure. <i>Epigenetics</i> , 2019, 14, 721-739.	2.9	55
25	Sperm DNA Methylation Epimutation Biomarkers for Male Infertility and FSH Therapeutic Responsiveness. <i>Scientific Reports</i> , 2019, 9, 16786.	3.4	55
26	Environmental toxicant induced epigenetic transgenerational inheritance of ovarian pathology and granulosa cell epigenome and transcriptome alterations: ancestral origins of polycystic ovarian syndrome and primary ovarian insufficiency. <i>Epigenetics</i> , 2018, 13, 875-895.	2.9	54
27	Sperm DNA methylation epimutation biomarker for paternal offspring autism susceptibility. <i>Clinical Epigenetics</i> , 2021, 13, 6.	4.3	53
28	Ancestral plastics exposure induces transgenerational disease-specific sperm epigenome-wide association biomarkers. <i>Environmental Epigenetics</i> , 2021, 7, dvaa023.	1.9	51
29	Gene Bionetwork Analysis of Ovarian Primordial Follicle Development. <i>PLoS ONE</i> , 2010, 5, e11637.	2.5	49
30	Role of epigenetic transgenerational inheritance in generational toxicology. <i>Environmental Epigenetics</i> , 2022, 8, dvac001.	1.9	49
31	Sperm epimutation biomarkers of obesity and pathologies following DDT induced epigenetic transgenerational inheritance of disease. <i>Environmental Epigenetics</i> , 2019, 5, dvz008.	1.9	47
32	Role of environmentally induced epigenetic transgenerational inheritance in evolutionary biology: Unified Evolution Theory. <i>Environmental Epigenetics</i> , 2021, 7, dvab012.	1.9	47
33	Developmental origins of transgenerational sperm DNA methylation epimutations following ancestral DDT exposure. <i>Developmental Biology</i> , 2019, 445, 280-293.	2.1	46
34	Transforming growth factor-beta isoform expression during bovine ovarian antral follicle development. <i>Molecular Reproduction and Development</i> , 2003, 66, 237-246.	2.0	42
35	Genomic Clustering of differential DNA methylated regions (epimutations) associated with the epigenetic transgenerational inheritance of disease and phenotypic variation. <i>BMC Genomics</i> , 2016, 17, 418.	2.9	42
36	Environmental epigenetics and epigenetic inheritance in domestic farm animals. <i>Animal Reproduction Science</i> , 2020, 220, 106316.	1.6	41

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37	Role of transforming growth factor \hat{I}^2 in ovarian surface epithelium biology and ovarian cancer. <i>Reproductive BioMedicine Online</i> , 2002, 5, 254-258.	2.5	40
38	Epigenetic transgenerational inheritance, gametogenesis and germline development. <i>Biology of Reproduction</i> , 2021, 105, 570-592.	2.6	39
39	Epigenome-wide association study for glyphosate induced transgenerational sperm DNA methylation and histone retention epigenetic biomarkers for disease. <i>Epigenetics</i> , 2021, 16, 1150-1167.	2.9	37
40	Epigenetic transgenerational inheritance of testis pathology and Sertoli cell epimutations: generational origins of male infertility. <i>Environmental Epigenetics</i> , 2019, 5, dvz013.	1.9	36
41	Epigenetic transgenerational inheritance of parent-of-origin allelic transmission of outcross pathology and sperm epimutations. <i>Developmental Biology</i> , 2020, 458, 106-119.	2.1	36
42	Tertiary Epimutations – A Novel Aspect of Epigenetic Transgenerational Inheritance Promoting Genome Instability. <i>PLoS ONE</i> , 2016, 11, e0168038.	2.5	36
43	An in vivo mouse reporter gene (human secreted alkaline phosphatase) model to monitor ovarian tumor growth and response to therapeutics. <i>Cancer Chemotherapy and Pharmacology</i> , 2002, 49, 93-100.	2.4	34
44	Environmental Toxicant Induced Epigenetic Transgenerational Inheritance of Prostate Pathology and Stromal-Epithelial Cell Epigenome and Transcriptome Alterations: Ancestral Origins of Prostate Disease. <i>Scientific Reports</i> , 2019, 9, 2209.	3.4	31
45	Gene bionetworks that regulate ovarian primordial follicle assembly. <i>BMC Genomics</i> , 2013, 14, 496.	2.9	25
46	Epigenetic programming alterations in alligators from environmentally contaminated lakes. <i>General and Comparative Endocrinology</i> , 2016, 238, 4-12.	1.8	25
47	Developmental alterations in DNA methylation during gametogenesis from primordial germ cells to sperm. <i>IScience</i> , 2022, 25, 103786.	4.1	22
48	Environmental induced transgenerational inheritance impacts systems epigenetics in disease etiology. <i>Scientific Reports</i> , 2022, 12, 5452.	3.4	22
49	Differential DNA methylation in somatic and sperm cells of hatchery vs wild (natural-origin) steelhead trout populations. <i>Environmental Epigenetics</i> , 2021, 7, dvab002.	1.9	21
50	Developmental origins of transgenerational sperm histone retention following ancestral exposures. <i>Developmental Biology</i> , 2020, 465, 31-45.	2.1	20
51	Environmentally Induced Epigenetic Transgenerational Inheritance and the Weismann Barrier: The Dawn of Neo-Lamarckian Theory. <i>Journal of Developmental Biology</i> , 2020, 8, 28.	1.8	18
52	Adipocyte epigenetic alterations and potential therapeutic targets in transgenerationally inherited lean and obese phenotypes following ancestral exposures. <i>Adipocyte</i> , 2019, 8, 362-378.	2.9	17
53	Epigenome-wide association study for pesticide (Permethrin and DEET) induced DNA methylation epimutation biomarkers for specific transgenerational disease. <i>Environmental Health</i> , 2020, 19, 109.	4.2	14
54	Transgenerational disease specific epigenetic sperm biomarkers after ancestral exposure to dioxin. <i>Environmental Research</i> , 2021, 192, 110279.	7.7	13

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55	Epigenome-wide association study for atrazine induced transgenerational DNA methylation and histone retention sperm epigenetic biomarkers for disease. PLoS ONE, 2020, 15, e0239380.	2.5	13
56	Transgenerational sperm DMRs escape DNA methylation erasure during embryonic development and epigenetic inheritance. Environmental Epigenetics, 2023, 9, .	1.9	11
57	Epigenome-wide association study (EWAS) for potential transgenerational disease epigenetic biomarkers in sperm following ancestral exposure to the pesticide methoxychlor. Environmental Epigenetics, 2020, 6, dvaa020.	1.9	10
58	Preterm birth buccal cell epigenetic biomarkers to facilitate preventative medicine. Scientific Reports, 2022, 12, 3361.	3.4	9
59	Epigenome association study for DNA methylation biomarkers in buccal and monocyte cells for female rheumatoid arthritis. Scientific Reports, 2021, 11, 23789.	3.4	8
60	Definition of epigenetic transgenerational inheritance and biological impacts. , 2019, , 13-24.		7
61	Epigenome-wide association study for transgenerational disease sperm epimutation biomarkers following ancestral exposure to jet fuel hydrocarbons. Reproductive Toxicology, 2020, 98, 61-74.	3.1	6
62	Multiple generation distinct toxicant exposures induce epigenetic transgenerational inheritance of enhanced pathology and obesity. Environmental Epigenetics, 2023, 9, .	1.9	3
63	Epigenetic Transgenerational Inheritance Across Species. , 2018, , 442-445.		1
64	Epigenetic Transgenerational Inheritance of Toxicant Exposure Specific non-coding RNA in Sperm. Environmental Epigenetics, 0, , .	1.9	0