

Douglas M Ruden

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2428087/douglas-m-ruden-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88
papers

10,003
citations

35
h-index

100
g-index

103
ext. papers

13,019
ext. citations

6.3
avg, IF

5.9
L-index

#	Paper	IF	Citations
88	A program for annotating and predicting the effects of single nucleotide polymorphisms, SnpEff: SNPs in the genome of <i>Drosophila melanogaster</i> strain w1118; iso-2; iso-3. <i>Fly</i> , 2012 , 6, 80-92	1.3	5212
87	Ten putative contributors to the obesity epidemic. <i>Critical Reviews in Food Science and Nutrition</i> , 2009 , 49, 868-913	11.5	461
86	Using <i>Drosophila melanogaster</i> as a Model for Genotoxic Chemical Mutational Studies with a New Program, SnpSift. <i>Frontiers in Genetics</i> , 2012 , 3, 35	4.5	459
85	Putative contributors to the secular increase in obesity: exploring the roads less traveled. <i>International Journal of Obesity</i> , 2006 , 30, 1585-94	5.5	425
84	Evidence for an epigenetic mechanism by which Hsp90 acts as a capacitor for morphological evolution. <i>Nature Genetics</i> , 2003 , 33, 70-4	36.3	321
83	Sequences required for in vitro transcriptional activation of a <i>Drosophila</i> hsp 70 gene. <i>Cell</i> , 1985 , 42, 527-37	56.2	292
82	Generating yeast transcriptional activators containing no yeast protein sequences. <i>Nature</i> , 1991 , 350, 250-2	50.4	168
81	An examination of the association of selected toxic metals with total and central obesity indices: NHANES 99-02. <i>International Journal of Environmental Research and Public Health</i> , 2010 , 7, 3332-47	4.6	136
80	Hypothesis: environmental regulation of 5-hydroxymethylcytosine by oxidative stress. <i>Epigenetics</i> , 2011 , 6, 853-6	5.7	122
79	Hsp90 and environmental impacts on epigenetic states: a model for the trans-generational effects of diethylstilbestrol on uterine development and cancer. <i>Human Molecular Genetics</i> , 2005 , 14 Spec No 1, R149-55	5.6	111
78	Identification of epigenetically altered genes in sporadic amyotrophic lateral sclerosis. <i>PLoS ONE</i> , 2012 , 7, e52672	3.7	105
77	PKD2 cation channel is required for directional sperm movement and male fertility. <i>Current Biology</i> , 2003 , 13, 2175-8	6.3	100
76	Multigenerational epigenetic inheritance in humans: DNA methylation changes associated with maternal exposure to lead can be transmitted to the grandchildren. <i>Scientific Reports</i> , 2015 , 5, 14466	4.9	99
75	Size-Dependent Toxicity of Gold Nanoparticles on Human Embryonic Stem Cells and Their Neural Derivatives. <i>Small</i> , 2016 , 12, 631-46	11	95
74	Hsp90 inhibitors and drug resistance in cancer: the potential benefits of combination therapies of Hsp90 inhibitors and other anti-cancer drugs. <i>Biochemical Pharmacology</i> , 2012 , 83, 995-1004	6	90
73	Epigenetics of early-life lead exposure and effects on brain development. <i>Epigenomics</i> , 2012 , 4, 665-74	4.4	83
72	Lead exposure disrupts global DNA methylation in human embryonic stem cells and alters their neuronal differentiation. <i>Toxicological Sciences</i> , 2014 , 139, 142-61	4.4	82

71	Radiation-induced epigenetic DNA methylation modification of radiation-response pathways. <i>Epigenetics</i> , 2013 , 8, 839-48	5.7	79
70	STRESS-FORCES EMBRYONIC STEM CELLS TO INCREASE EXPRESSION OF HEPATITIS A AND HERPES SIMPLEX 1 VIRUS RECEPTORS AND TWO GENES NECESSARY FOR COVID-19 UPTAKE. <i>Fertility and Sterility</i> , 2020 , 114, e217	4.8	78
69	Endocrine disruptors and obesity: an examination of selected persistent organic pollutants in the NHANES 1999-2002 data. <i>International Journal of Environmental Research and Public Health</i> , 2010 , 7, 2988-3005	4.6	76
68	Epigenome-Microbiome crosstalk: A potential new paradigm influencing neonatal susceptibility to disease. <i>Epigenetics</i> , 2016 , 11, 205-15	5.7	74
67	CloudAligner: A fast and full-featured MapReduce based tool for sequence mapping. <i>BMC Research Notes</i> , 2011 , 4, 171	2.3	70
66	Behavioral effects of chronic exposure to low levels of lead in <i>Drosophila melanogaster</i> . <i>NeuroToxicology</i> , 2003 , 24, 435-42	4.4	68
65	Early life lead exposure causes gender-specific changes in the DNA methylation profile of DNA extracted from dried blood spots. <i>Epigenomics</i> , 2015 , 7, 379-93	4.4	64
64	Hsp90 affecting chromatin remodeling might explain transgenerational epigenetic inheritance in <i>Drosophila</i> . <i>Current Genomics</i> , 2008 , 9, 500-8	2.6	63
63	WaddingtonQ widget: Hsp90 and the inheritance of acquired characters. <i>Seminars in Cell and Developmental Biology</i> , 2003 , 14, 301-10	7.5	61
62	No strict alignment is required between a transcriptional activator binding site and the "TATA box" of a yeast gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 4262-6	11.5	58
61	The role of epigenetics in evolution: the extended synthesis. <i>Genetics Research International</i> , 2012 , 2012, 286164	0	50
60	Intronic non-CG DNA hydroxymethylation and alternative mRNA splicing in honey bees. <i>BMC Genomics</i> , 2013 , 14, 666	4.5	49
59	Lead exposure induces changes in 5-hydroxymethylcytosine clusters in CpG islands in human embryonic stem cells and umbilical cord blood. <i>Epigenetics</i> , 2015 , 10, 607-21	5.7	47
58	Effectiveness of hsp90 inhibitors as anti-cancer drugs. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006 , 6, 1137-43	3.43	46
57	Membrane fusion proteins are required for oskar mRNA localization in the <i>Drosophila</i> egg chamber. <i>Developmental Biology</i> , 2000 , 218, 314-25	3.1	42
56	A <i>Drosophila</i> kinesin-like protein, Klp38B, functions during meiosis, mitosis, and segmentation. <i>Developmental Biology</i> , 1997 , 191, 284-96	3.1	41
55	<i>Drosophila</i> nutrigenomics can provide clues to human gene-nutrient interactions. <i>Annual Review of Nutrition</i> , 2005 , 25, 499-522	9.9	40
54	Phthalate Exposure and Long-Term Epigenomic Consequences: A Review. <i>Frontiers in Genetics</i> , 2020 , 11, 405	4.5	36

53	Genetical toxicogenomics in <i>Drosophila</i> identifies master-modulatory loci that are regulated by developmental exposure to lead. <i>NeuroToxicology</i> , 2009 , 30, 898-914	4.4	34
52	<i>Drosophila</i> Pkd2 is haploid-insufficient for mediating optimal smooth muscle contractility. <i>Journal of Biological Chemistry</i> , 2004 , 279, 14225-31	5.4	34
51	Low molecular weight heparin ablates lung cancer cisplatin-resistance by inducing proteasome-mediated ABCG2 protein degradation. <i>PLoS ONE</i> , 2012 , 7, e41035	3.7	31
50	The inebri-actometer: a device for measuring the locomotor activity of <i>Drosophila</i> exposed to ethanol vapor. <i>Journal of Neuroscience Methods</i> , 2001 , 107, 93-9	3	30
49	Variations at a quantitative trait locus (QTL) affect development of behavior in lead-exposed <i>Drosophila melanogaster</i> . <i>NeuroToxicology</i> , 2009 , 30, 305-11	4.4	27
48	Genetic aspects of behavioral neurotoxicology. <i>NeuroToxicology</i> , 2009 , 30, 741-53	4.4	23
47	Single-Cell RNA Sequencing of the Cardiovascular System: New Looks for Old Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 173	5.4	23
46	Mapping quantitative trait loci affecting variation in <i>Drosophila</i> triacylglycerol storage. <i>Obesity</i> , 2005 , 13, 1596-605		21
45	Activating regions of yeast transcription factors must have both acidic and hydrophobic amino acids. <i>Chromosoma</i> , 1992 , 101, 342-8	2.8	20
44	Accumulation, elimination, sequestration, and genetic variation of lead (Pb) loads within and between generations of <i>Drosophila melanogaster</i> . <i>Chemosphere</i> , 2017 , 181, 368-375	8.4	19
43	Chronic lead exposure alters presynaptic calcium regulation and synaptic facilitation in <i>Drosophila</i> larvae. <i>NeuroToxicology</i> , 2009 , 30, 777-84	4.4	19
42	The EDGE hypothesis: epigenetically directed genetic errors in repeat-containing proteins (RCPs) involved in evolution, neuroendocrine signaling, and cancer. <i>Frontiers in Neuroendocrinology</i> , 2008 , 29, 428-44	8.9	19
41	Chromatin effects in nutrition, cancer, and obesity. <i>Nutrition</i> , 2004 , 20, 56-62	4.8	19
40	<i>Drosophila melanogaster</i> as a model for lead neurotoxicology and toxicogenomics research. <i>Frontiers in Genetics</i> , 2012 , 3, 68	4.5	18
39	Possible effects of early treatments of hsp90 inhibitors on preventing the evolution of drug resistance to other anti-cancer drugs. <i>Current Medicinal Chemistry</i> , 2007 , 14, 223-32	4.3	17
38	Smooth, an hnRNP-L Homolog, Might Decrease Mitochondrial Metabolism by Post-Transcriptional Regulation of Isocitrate Dehydrogenase (Idh) and Other Metabolic Genes in the Sub-Acute Phase of Traumatic Brain Injury. <i>Frontiers in Genetics</i> , 2017 , 8, 175	4.5	15
37	Epigenetic Regulation of Trinucleotide Repeat Expansions and Contractions and the Biased Embryos Hypothesis for Rapid Morphological Evolution. <i>Current Genomics</i> , 2005 , 6, 145-155	2.6	15
36	Chronic lead exposure induces cochlear oxidative stress and potentiates noise-induced hearing loss. <i>Toxicology Letters</i> , 2018 , 292, 175-180	4.4	15

35	Effects of Gravity, Microgravity or Microgravity Simulation on Early Mammalian Development. <i>Stem Cells and Development</i> , 2018 , 27, 1230-1236	4.4	14
34	Multigenerational selection and detection of altered histone acetylation and methylation patterns: toward a quantitative epigenetics in <i>Drosophila</i> . <i>Methods in Molecular Biology</i> , 2004 , 287, 151-68	1.4	14
33	Mammalian Models of Traumatic Brain Injury and a Place for in TBI Research. <i>Frontiers in Neuroscience</i> , 2019 , 13, 409	5.1	11
32	Massively parallel resequencing of the isogenic <i>Drosophila melanogaster</i> strain w(1118); iso-2; iso-3 identifies hotspots for mutations in sensory perception genes. <i>Fly</i> , 2009 , 3, 192-203	1.3	11
31	Evolutionary conservation of metabolism explains how <i>Drosophila</i> nutrigenomics can help us understand human nutrigenomics. <i>Genes and Nutrition</i> , 2006 , 1, 75-83	4.3	11
30	Methods for nutrigenomics and longevity studies in <i>Drosophila</i> : effects of diets high in sucrose, palmitic acid, soy, or beef. <i>Methods in Molecular Biology</i> , 2007 , 371, 111-41	1.4	9
29	Epigenetics as an answer to Darwin's "special difficulty," Part 2: natural selection of metastable epialleles in honeybee castes. <i>Frontiers in Genetics</i> , 2015 , 6, 60	4.5	8
28	Hsp90 inhibitors and the reduction of anti-cancer drug resistance by non-genetic and genetic mechanisms. <i>Pharmaceuticals</i> , 2012 , 5, 890-8	5.2	8
27	Exhibit Divergent Sex-Based Responses in Transcription and Motor Function After Traumatic Brain Injury. <i>Frontiers in Neurology</i> , 2020 , 11, 511	4.1	7
26	Identification of Splicing Quantitative Trait Loci (sQTL) in with Developmental Lead (Pb) Exposure. <i>Frontiers in Genetics</i> , 2017 , 8, 145	4.5	7
25	Percutaneous Fine-Needle 5% Ethanol-Cisplatin Intratumoral Injection Combined with Second-Line Chemotherapy Improves On the Standard of Care in Patients with Platinum-Pretreated Stage IV Non-Small Cell Lung Cancer. <i>Translational Oncology</i> , 2014 , 7, 303-8	4.9	7
24	Introduction to serial reviews on EpRE and its signaling pathway. <i>Free Radical Biology and Medicine</i> , 2004 , 36, 1197-8	7.8	7
23	A Review of Volatile Organic Compound Contamination in Post-Industrial Urban Centers: Reproductive Health Implications Using a Detroit Lens. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	7
22	A Bioinformatics-Based Alternative mRNA Splicing Code that May Explain Some Disease Mutations Is Conserved in Animals. <i>Frontiers in Genetics</i> , 2017 , 8, 38	4.5	6
21	Identification of <i>Schizosaccharomyces pombe</i> transcription factor PGA4, which binds cooperatively to <i>Saccharomyces cerevisiae</i> GAL4-binding sites. <i>Molecular and Cellular Biology</i> , 1990 , 10, 1432-8	4.8	6
20	Integrating 5hmC and gene expression data to infer regulatory mechanisms. <i>Bioinformatics</i> , 2018 , 34, 1441-1447	7.2	5
19	Cisplatin in 5% Ethanol Eradicates Cisplatin-Resistant Lung Tumor by Killing Lung Cancer Side Population (SP) Cells and Non-SP Cells. <i>Frontiers in Genetics</i> , 2013 , 4, 163	4.5	5
18	A novel follicle-cell-dependent dominant female sterile allele, StarKojak, alters receptor tyrosine kinase signaling in <i>Drosophila</i> . <i>Developmental Biology</i> , 1999 , 207, 393-407	3.1	5

17	Inhibiting Mitochondrial Cytochrome Oxidase Downregulates Gene Transcription After Traumatic Brain Injury in. <i>Frontiers in Physiology</i> , 2021 , 12, 628777	4.6	5
16	The Distinct Immune Nature of the Fetal Inflammatory Response Syndrome Type I and Type II. <i>ImmunoHorizons</i> , 2021 , 5, 735-751	2.7	4
15	Frontiers in toxicogenomics - the grand challenge: to understand how the genome and epigenome interact with the toxic environment. <i>Frontiers in Genetics</i> , 2011 , 2, 12	4.5	3
14	Potential long-term consequences of fad diets on health, cancer, and longevity: lessons learned from model organism studies. <i>Technology in Cancer Research and Treatment</i> , 2007 , 6, 247-54	2.7	3
13	Stress Decreases Host Viral Resistance and Increases Covid Susceptibility in Embryonic Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2021 , 17, 2164-2177	7.3	3
12	Lead Modulates and Expression Quantitative Trait Loci (eQTLs) in Heads. <i>Frontiers in Genetics</i> , 2018 , 9, 395	4.5	3
11	Intratumoral injection of cisplatin in various concentrations of ethanol for cisplatin-resistant lung tumors. <i>Molecular and Clinical Oncology</i> , 2014 , 2, 491-496	1.6	2
10	Editorial [Hot Topic: Mini Hot Topic Title: Epigenetic Regulatory Mechanisms in Cancer, Development, and Evolution (Guest Editor: Douglas M. Ruden)]. <i>Current Genomics</i> , 2005 , 6, 127-127	2.6	1
9	Sex-Differences in Traumatic Brain Injury in the Absence of Tau in. <i>Genes</i> , 2021 , 12,	4.2	1
8	DNA methylation and exposure to violence among African American young adult males. <i>Brain, Behavior, & Immunity - Health</i> , 2021 , 14, 100247	5.1	1
7	Prenatal phthalate exposures and autism spectrum disorder symptoms in low-risk children. <i>Neurotoxicology and Teratology</i> , 2021 , 83, 106947	3.9	1
6	IL-10: A possible immunobiological component of positive mental health in refugees. <i>Comprehensive Psychoneuroendocrinology</i> , 2021 , 8, 100097	1.1	0
5	Using Live Imaging and Fucci Embryonic Stem Cells to Rank DevTox Risks: Adverse Growth Effects of PFOA Compared With DEP Are 26 Times Faster, 1,000 Times More Sensitive, and 13 Times Greater in Magnitude.. <i>Frontiers in Toxicology</i> , 2021 , 3, 709747	1.6	0
4	Prenatal Exposures to Common Phthalates and Prevalent Phthalate Alternatives and Infant DNA Methylation at Birth.. <i>Frontiers in Genetics</i> , 2022 , 13, 793278	4.5	0
3	Personalized nutrigenomics: tailoring the diet to the aging diabetes population. <i>Nutrition and Dietary Supplements</i> , 2011 , 31	1.2	
2	Hsp90 as a Capacitor of Both Genetic and Epigenetic Changes in the Genome During Cancer Progression and Evolution 2013 , 79-101		
1	Transgenerational Epigenetic Inheritance in Drosophila. <i>Epigenetics and Human Health</i> , 2013 , 227-244		