

# Douglas M Ruden

## List of Publications by Year in Descending Order

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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	Prenatal Exposures to Common Phthalates and Prevalent Phthalate Alternatives and Infant DNA Methylation at Birth.. <i>Frontiers in Genetics</i> , <b>2022</b> , 13, 793278	4.5	0
87	IL-10: A possible immunobiological component of positive mental health in refugees. <i>Comprehensive Psychoneuroendocrinology</i> , <b>2021</b> , 8, 100097	1.1	0
86	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> , <b>2021</b> , 3, 709747	1.6	0
85	Inhibiting Mitochondrial Cytochrome Oxidase Downregulates Gene Transcription After Traumatic Brain Injury in. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 628777	4.6	5
84	Sex-Differences in Traumatic Brain Injury in the Absence of Tau in. <i>Genes</i> , <b>2021</b> , 12,	4.2	1
83	Stress Decreases Host Viral Resistance and Increases Covid Susceptibility in Embryonic Stem Cells. <i>Stem Cell Reviews and Reports</i> , <b>2021</b> , 17, 2164-2177	7.3	3
82	DNA methylation and exposure to violence among African American young adult males. <i>Brain, Behavior, &amp; Immunity - Health</i> , <b>2021</b> , 14, 100247	5.1	1
81	Prenatal phthalate exposures and autism spectrum disorder symptoms in low-risk children. <i>Neurotoxicology and Teratology</i> , <b>2021</b> , 83, 106947	3.9	1
80	The Distinct Immune Nature of the Fetal Inflammatory Response Syndrome Type I and Type II. <i>ImmunoHorizons</i> , <b>2021</b> , 5, 735-751	2.7	4
79	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> , <b>2020</b> , 114, e217	4.8	78
78	Exhibit Divergent Sex-Based Responses in Transcription and Motor Function After Traumatic Brain Injury. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 511	4.1	7
77	Phthalate Exposure and Long-Term Epigenomic Consequences: A Review. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 405	4.5	36
76	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> , <b>2020</b> , 17,	4.6	7
75	Mammalian Models of Traumatic Brain Injury and a Place for in TBI Research. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 409	5.1	11
74	Single-Cell RNA Sequencing of the Cardiovascular System: New Looks for Old Diseases. <i>Frontiers in Cardiovascular Medicine</i> , <b>2019</b> , 6, 173	5.4	23
73	Integrating 5hmC and gene expression data to infer regulatory mechanisms. <i>Bioinformatics</i> , <b>2018</b> , 34, 1441-1447	7.2	5
72	Effects of Gravity, Microgravity or Microgravity Simulation on Early Mammalian Development. <i>Stem Cells and Development</i> , <b>2018</b> , 27, 1230-1236	4.4	14

71	Lead Modulates and Expression Quantitative Trait Loci (eQTLs) in Heads. <i>Frontiers in Genetics</i> , <b>2018</b> , 9, 395	4.5	3
70	Chronic lead exposure induces cochlear oxidative stress and potentiates noise-induced hearing loss. <i>Toxicology Letters</i> , <b>2018</b> , 292, 175-180	4.4	15
69	Accumulation, elimination, sequestration, and genetic variation of lead (Pb) loads within and between generations of <i>Drosophila melanogaster</i> . <i>Chemosphere</i> , <b>2017</b> , 181, 368-375	8.4	19
68	A Bioinformatics-Based Alternative mRNA Splicing Code that May Explain Some Disease Mutations Is Conserved in Animals. <i>Frontiers in Genetics</i> , <b>2017</b> , 8, 38	4.5	6
67	Identification of Splicing Quantitative Trait Loci (sQTL) in with Developmental Lead (Pb) Exposure. <i>Frontiers in Genetics</i> , <b>2017</b> , 8, 145	4.5	7
66	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> , <b>2017</b> , 8, 175	4.5	15
65	Epigenome-Microbiome crosstalk: A potential new paradigm influencing neonatal susceptibility to disease. <i>Epigenetics</i> , <b>2016</b> , 11, 205-15	5.7	74
64	Size-Dependent Toxicity of Gold Nanoparticles on Human Embryonic Stem Cells and Their Neural Derivatives. <i>Small</i> , <b>2016</b> , 12, 631-46	11	95
63	Lead exposure induces changes in 5-hydroxymethylcytosine clusters in CpG islands in human embryonic stem cells and umbilical cord blood. <i>Epigenetics</i> , <b>2015</b> , 10, 607-21	5.7	47
62	Epigenetics as an answer to Darwin's "special difficulty," Part 2: natural selection of metastable epialleles in honeybee castes. <i>Frontiers in Genetics</i> , <b>2015</b> , 6, 60	4.5	8
61	Early life lead exposure causes gender-specific changes in the DNA methylation profile of DNA extracted from dried blood spots. <i>Epigenomics</i> , <b>2015</b> , 7, 379-93	4.4	64
60	Multigenerational epigenetic inheritance in humans: DNA methylation changes associated with maternal exposure to lead can be transmitted to the grandchildren. <i>Scientific Reports</i> , <b>2015</b> , 5, 14466	4.9	99
59	Intratumoral injection of cisplatin in various concentrations of ethanol for cisplatin-resistant lung tumors. <i>Molecular and Clinical Oncology</i> , <b>2014</b> , 2, 491-496	1.6	2
58	Lead exposure disrupts global DNA methylation in human embryonic stem cells and alters their neuronal differentiation. <i>Toxicological Sciences</i> , <b>2014</b> , 139, 142-61	4.4	82
57	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> , <b>2014</b> , 7, 303-8	4.9	7
56	Intronic non-CG DNA hydroxymethylation and alternative mRNA splicing in honey bees. <i>BMC Genomics</i> , <b>2013</b> , 14, 666	4.5	49
55	Radiation-induced epigenetic DNA methylation modification of radiation-response pathways. <i>Epigenetics</i> , <b>2013</b> , 8, 839-48	5.7	79
54	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> , <b>2013</b> , 4, 163	4.5	5

53	Hsp90 as a Capacitor of Both Genetic and Epigenetic Changes in the Genome During Cancer Progression and Evolution <b>2013</b> , 79-101		
52	Transgenerational Epigenetic Inheritance in Drosophila. <i>Epigenetics and Human Health</i> , <b>2013</b> , 227-244		
51	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> , <b>2012</b> , 83, 995-1004	6	90
50	Epigenetics of early-life lead exposure and effects on brain development. <i>Epigenomics</i> , <b>2012</b> , 4, 665-74	4.4	83
49	Identification of epigenetically altered genes in sporadic amyotrophic lateral sclerosis. <i>PLoS ONE</i> , <b>2012</b> , 7, e52672	3.7	105
48	Using Drosophila melanogaster as a Model for Genotoxic Chemical Mutational Studies with a New Program, SnpSift. <i>Frontiers in Genetics</i> , <b>2012</b> , 3, 35	4.5	459
47	Drosophila melanogaster as a model for lead neurotoxicology and toxicogenomics research. <i>Frontiers in Genetics</i> , <b>2012</b> , 3, 68	4.5	18
46	A program for annotating and predicting the effects of single nucleotide polymorphisms, SnpEff: SNPs in the genome of Drosophila melanogaster strain w1118; iso-2; iso-3. <i>Fly</i> , <b>2012</b> , 6, 80-92	1.3	5212
45	Hsp90 inhibitors and the reduction of anti-cancer drug resistance by non-genetic and genetic mechanisms. <i>Pharmaceuticals</i> , <b>2012</b> , 5, 890-8	5.2	8
44	The role of epigenetics in evolution: the extended synthesis. <i>Genetics Research International</i> , <b>2012</b> , 2012, 286164	0	50
43	Low molecular weight heparin ablates lung cancer cisplatin-resistance by inducing proteasome-mediated ABCG2 protein degradation. <i>PLoS ONE</i> , <b>2012</b> , 7, e41035	3.7	31
42	Hypothesis: environmental regulation of 5-hydroxymethylcytosine by oxidative stress. <i>Epigenetics</i> , <b>2011</b> , 6, 853-6	5.7	122
41	Personalized nutrigenomics: tailoring the diet to the aging diabetes population. <i>Nutrition and Dietary Supplements</i> , <b>2011</b> , 31	1.2	
40	Frontiers in toxicogenomics - the grand challenge: to understand how the genome and epigenome interact with the toxic environment. <i>Frontiers in Genetics</i> , <b>2011</b> , 2, 12	4.5	3
39	CloudAligner: A fast and full-featured MapReduce based tool for sequence mapping. <i>BMC Research Notes</i> , <b>2011</b> , 4, 171	2.3	70
38	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> , <b>2010</b> , 7, 3332-47	4.6	136
37	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> , <b>2010</b> , 7, 2988-3005	4.6	76
36	Massively parallel resequencing of the isogenic Drosophila melanogaster strain w(1118); iso-2; iso-3 identifies hotspots for mutations in sensory perception genes. <i>Fly</i> , <b>2009</b> , 3, 192-203	1.3	11

35	Variations at a quantitative trait locus (QTL) affect development of behavior in lead-exposed <i>Drosophila melanogaster</i> . <i>NeuroToxicology</i> , <b>2009</b> , 30, 305-11	4.4	27
34	Genetic aspects of behavioral neurotoxicology. <i>NeuroToxicology</i> , <b>2009</b> , 30, 741-53	4.4	23
33	Chronic lead exposure alters presynaptic calcium regulation and synaptic facilitation in <i>Drosophila</i> larvae. <i>NeuroToxicology</i> , <b>2009</b> , 30, 777-84	4.4	19
32	Genetical toxicogenomics in <i>Drosophila</i> identifies master-modulatory loci that are regulated by developmental exposure to lead. <i>NeuroToxicology</i> , <b>2009</b> , 30, 898-914	4.4	34
31	Ten putative contributors to the obesity epidemic. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2009</b> , 49, 868-913	11.5	461
30	The EDGE hypothesis: epigenetically directed genetic errors in repeat-containing proteins (RCPs) involved in evolution, neuroendocrine signaling, and cancer. <i>Frontiers in Neuroendocrinology</i> , <b>2008</b> , 29, 428-44	8.9	19
29	Hsp90 affecting chromatin remodeling might explain transgenerational epigenetic inheritance in <i>Drosophila</i> . <i>Current Genomics</i> , <b>2008</b> , 9, 500-8	2.6	63
28	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> , <b>2007</b> , 14, 223-32	4.3	17
27	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> , <b>2007</b> , 6, 247-54	2.7	3
26	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> , <b>2007</b> , 371, 111-41	1.4	9
25	Evolutionary conservation of metabolism explains how <i>Drosophila</i> nutrigenomics can help us understand human nutrigenomics. <i>Genes and Nutrition</i> , <b>2006</b> , 1, 75-83	4.3	11
24	Putative contributors to the secular increase in obesity: exploring the roads less traveled. <i>International Journal of Obesity</i> , <b>2006</b> , 30, 1585-94	5.5	425
23	Effectiveness of hsp90 inhibitors as anti-cancer drugs. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2006</b> , 6, 1137-43	3.43	46
22	Mapping quantitative trait loci affecting variation in <i>Drosophila</i> triacylglycerol storage. <i>Obesity</i> , <b>2005</b> , 13, 1596-605		21
21	Epigenetic Regulation of Trinucleotide Repeat Expansions and Contractions and the Biased Embryos Hypothesis for Rapid Morphological Evolution. <i>Current Genomics</i> , <b>2005</b> , 6, 145-155	2.6	15
20	Editorial [Hot Topic: Mini Hot Topic Title: Epigenetic Regulatory Mechanisms in Cancer, Development, and Evolution (Guest Editor: Douglas M. Ruden)]. <i>Current Genomics</i> , <b>2005</b> , 6, 127-127	2.6	1
19	<i>Drosophila</i> nutrigenomics can provide clues to human gene-nutrient interactions. <i>Annual Review of Nutrition</i> , <b>2005</b> , 25, 499-522	9.9	40
18	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> , <b>2005</b> , 14 Spec No 1, R149-55	5.6	111

17	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> , <b>2004</b> , 287, 151-68	1.4	14
16	<i>Drosophila</i> Pkd2 is haploid-insufficient for mediating optimal smooth muscle contractility. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 14225-31	5.4	34
15	Chromatin effects in nutrition, cancer, and obesity. <i>Nutrition</i> , <b>2004</b> , 20, 56-62	4.8	19
14	Introduction to serial reviews on EpRE and its signaling pathway. <i>Free Radical Biology and Medicine</i> , <b>2004</b> , 36, 1197-8	7.8	7
13	PKD2 cation channel is required for directional sperm movement and male fertility. <i>Current Biology</i> , <b>2003</b> , 13, 2175-8	6.3	100
12	Evidence for an epigenetic mechanism by which Hsp90 acts as a capacitor for morphological evolution. <i>Nature Genetics</i> , <b>2003</b> , 33, 70-4	36.3	321
11	Waddington's widget: Hsp90 and the inheritance of acquired characters. <i>Seminars in Cell and Developmental Biology</i> , <b>2003</b> , 14, 301-10	7.5	61
10	Behavioral effects of chronic exposure to low levels of lead in <i>Drosophila melanogaster</i> . <i>NeuroToxicology</i> , <b>2003</b> , 24, 435-42	4.4	68
9	The inebri-actometer: a device for measuring the locomotor activity of <i>Drosophila</i> exposed to ethanol vapor. <i>Journal of Neuroscience Methods</i> , <b>2001</b> , 107, 93-9	3	30
8	Membrane fusion proteins are required for oskar mRNA localization in the <i>Drosophila</i> egg chamber. <i>Developmental Biology</i> , <b>2000</b> , 218, 314-25	3.1	42
7	A novel follicle-cell-dependent dominant female sterile allele, StarKojak, alters receptor tyrosine kinase signaling in <i>Drosophila</i> . <i>Developmental Biology</i> , <b>1999</b> , 207, 393-407	3.1	5
6	A <i>Drosophila</i> kinesin-like protein, Klp38B, functions during meiosis, mitosis, and segmentation. <i>Developmental Biology</i> , <b>1997</b> , 191, 284-96	3.1	41
5	Activating regions of yeast transcription factors must have both acidic and hydrophobic amino acids. <i>Chromosoma</i> , <b>1992</b> , 101, 342-8	2.8	20
4	Generating yeast transcriptional activators containing no yeast protein sequences. <i>Nature</i> , <b>1991</b> , 350, 250-2	50.4	168
3	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> , <b>1990</b> , 10, 1432-8	4.8	6
2	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> , <b>1988</b> , 85, 4262-6	11.5	58
1	Sequences required for in vitro transcriptional activation of a <i>Drosophila</i> hsp 70 gene. <i>Cell</i> , <b>1985</b> , 42, 527-37	56.2	292