

Daniel M Rotroff

List of Publications by Citations

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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.

65
papers

3,595
citations

26
h-index

59
g-index

73
ext. papers

4,359
ext. citations

5.7
avg, IF

4.67
L-index

#	Paper	IF	Citations
65	In vitro screening of environmental chemicals for targeted testing prioritization: the ToxCast project. <i>Environmental Health Perspectives</i> , 2010 , 118, 485-92	8.4	439
64	Update on EPA's ToxCast program: providing high throughput decision support tools for chemical risk management. <i>Chemical Research in Toxicology</i> , 2012 , 25, 1287-302	4	357
63	Integration of dosimetry, exposure, and high-throughput screening data in chemical toxicity assessment. <i>Toxicological Sciences</i> , 2012 , 125, 157-74	4.4	280
62	Altered bile acid profile associates with cognitive impairment in Alzheimer's disease-An emerging role for gut microbiome. <i>Alzheimer's and Dementia</i> , 2019 , 15, 76-92	1.2	208
61	Metabolic network failures in Alzheimer's disease: A biochemical road map. <i>Alzheimer's and Dementia</i> , 2017 , 13, 965-984	1.2	201
60	Integrated Model of Chemical Perturbations of a Biological Pathway Using 18 In Vitro High-Throughput Screening Assays for the Estrogen Receptor. <i>Toxicological Sciences</i> , 2015 , 148, 137-54	4.4	201
59	Incorporating human dosimetry and exposure into high-throughput in vitro toxicity screening. <i>Toxicological Sciences</i> , 2010 , 117, 348-58	4.4	189
58	Impact of environmental chemicals on key transcription regulators and correlation to toxicity end points within EPA's ToxCast program. <i>Chemical Research in Toxicology</i> , 2010 , 23, 578-90	4	164
57	Analysis of eight oil spill dispersants using rapid, in vitro tests for endocrine and other biological activity. <i>Environmental Science & Technology</i> , 2010 , 44, 5979-85	10.3	127
56	Editor's Highlight: Analysis of the Effects of Cell Stress and Cytotoxicity on In Vitro Assay Activity Across a Diverse Chemical and Assay Space. <i>Toxicological Sciences</i> , 2016 , 152, 323-39	4.4	125
55	Using in vitro high throughput screening assays to identify potential endocrine-disrupting chemicals. <i>Environmental Health Perspectives</i> , 2013 , 121, 7-14	8.4	119
54	Profiling of the Tox21 10K compound library for agonists and antagonists of the estrogen receptor alpha signaling pathway. <i>Scientific Reports</i> , 2014 , 4, 5664	4.9	113
53	Variation in the glucose transporter gene SLC2A2 is associated with glycemic response to metformin. <i>Nature Genetics</i> , 2016 , 48, 1055-1059	36.3	108
52	Profiling the reproductive toxicity of chemicals from multigeneration studies in the toxicity reference database. <i>Toxicological Sciences</i> , 2009 , 110, 181-90	4.4	105
51	Predictive endocrine testing in the 21st century using in vitro assays of estrogen receptor signaling responses. <i>Environmental Science & Technology</i> , 2014 , 48, 8706-16	10.3	64
50	Metabolomic signatures of drug response phenotypes for ketamine and esketamine in subjects with refractory major depressive disorder: new mechanistic insights for rapid acting antidepressants. <i>Translational Psychiatry</i> , 2016 , 6, e894	8.6	55
49	Development of a thyroperoxidase inhibition assay for high-throughput screening. <i>Chemical Research in Toxicology</i> , 2014 , 27, 387-99	4	52

48	Binary classification of a large collection of environmental chemicals from estrogen receptor assays by quantitative structure-activity relationship and machine learning methods. <i>Journal of Chemical Information and Modeling</i> , 2013 , 53, 3244-61	6.1	47
47	Xenobiotic-metabolizing enzyme and transporter gene expression in primary cultures of human hepatocytes modulated by ToxCast chemicals. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2010 , 13, 329-46	8.6	47
46	Genomic profiling reveals extensive heterogeneity in somatic DNA copy number aberrations of canine hemangiosarcoma. <i>Chromosome Research</i> , 2014 , 22, 305-19	4.4	46
45	Maternal smoking impacts key biological pathways in newborns through epigenetic modification in Utero. <i>BMC Genomics</i> , 2016 , 17, 976	4.5	36
44	Real-time growth kinetics measuring hormone mimicry for ToxCast chemicals in T-47D human ductal carcinoma cells. <i>Chemical Research in Toxicology</i> , 2013 , 26, 1097-107	4	34
43	Gene set analysis methods: a systematic comparison. <i>BioData Mining</i> , 2018 , 11, 8	4.3	33
42	Targeted metabolomics and medication classification data from participants in the ADNI1 cohort. <i>Scientific Data</i> , 2017 , 4, 170140	8.2	26
41	Pharmacometabolomic Assessments of Atenolol and Hydrochlorothiazide Treatment Reveal Novel Drug Response Phenotypes. <i>CPT: Pharmacometrics and Systems Pharmacology</i> , 2015 , 4, 669-79	4.5	26
40	Genome-wide assessment of recurrent genomic imbalances in canine leukemia identifies evolutionarily conserved regions for subtype differentiation. <i>Chromosome Research</i> , 2015 , 23, 681-708	4.4	23
39	Continued muscle loss increases mortality in cirrhosis: Impact of aetiology of liver disease. <i>Liver International</i> , 2020 , 40, 1178-1188	7.9	21
38	Genetic Variants in HSD17B3, SMAD3, and IPO11 Impact Circulating Lipids in Response to Fenofibrate in Individuals With Type 2 Diabetes. <i>Clinical Pharmacology and Therapeutics</i> , 2018 , 103, 712-721	6.1	20
37	Pharmacometabolomic Assessment of Metformin in Non-diabetic, African Americans. <i>Frontiers in Pharmacology</i> , 2016 , 7, 135	5.6	20
36	Genetic Variants in and Are Associated With Variation in Response to Metformin in Individuals With Type 2 Diabetes. <i>Diabetes</i> , 2018 , 67, 1428-1440	0.9	18
35	A Genetic Response Score for Hydrochlorothiazide Use: Insights From Genomics and Metabolomics Integration. <i>Hypertension</i> , 2016 , 68, 621-9	8.5	18
34	Lymphoblastoid cell lines models of drug response: successes and lessons from this pharmacogenomic model. <i>Current Molecular Medicine</i> , 2014 , 14, 833-40	2.5	16
33	Genetic Tools for Coronary Risk Assessment in Type 2 Diabetes: A Cohort Study From the ACCORD Clinical Trial. <i>Diabetes Care</i> , 2018 , 41, 2404-2413	14.6	16
32	Bariatric Surgery Improves HDL Function Examined by ApoA1 Exchange Rate and Cholesterol Efflux Capacity in Patients with Obesity and Type 2 Diabetes. <i>Biomolecules</i> , 2020 , 10,	5.9	15
31	The steroid metabolome in women with premenstrual dysphoric disorder during GnRH agonist-induced ovarian suppression: effects of estradiol and progesterone addback. <i>Translational Psychiatry</i> , 2017 , 7, e1193	8.6	15

30	Breath Metabolomics Provides an Accurate and Noninvasive Approach for Screening Cirrhosis, Primary, and Secondary Liver Tumors. <i>Hepatology Communications</i> , 2020 , 4, 1041-1055	6	14
29	Embracing Integrative Multiomics Approaches. <i>International Journal of Genomics</i> , 2016 , 2016, 1715985	2.5	13
28	Polymorphism Influences the Cardiovascular Benefit of Fenofibrate in Type 2 Diabetes: Findings From ACCORD-Lipid. <i>Diabetes</i> , 2020 , 69, 771-783	0.9	12
27	Immunoclassification characterized by CD8 and PD-L1 expression is associated with the clinical outcome of gastric cancer patients. <i>Oncotarget</i> , 2018 , 9, 12164-12173	3.3	12
26	Effect of Acid Suppressants on the Risk of COVID-19: A Propensity Score-Matched Study Using UK Biobank. <i>Gastroenterology</i> , 2021 , 160, 455-458.e5	13.3	12
25	Sphingolipid Metabolic Pathway Impacts Thiazide Diuretics Blood Pressure Response: Insights From Genomics, Metabolomics, and Lipidomics. <i>Journal of the American Heart Association</i> , 2017 , 7,	6	10
24	A genome-wide study of lipid response to fenofibrate in Caucasians: a combined analysis of the GOLDN and ACCORD studies. <i>Pharmacogenetics and Genomics</i> , 2016 , 26, 324-33	1.9	10
23	Common and rare genetic markers of lipid variation in subjects with type 2 diabetes from the ACCORD clinical trial. <i>PeerJ</i> , 2017 , 5, e3187	3.1	9
22	EBV infection and MSI status significantly influence the clinical outcomes of gastric cancer patients. <i>Clinica Chimica Acta</i> , 2017 , 471, 216-221	6.2	7
21	Alcohol Consumption Is Associated with Poor Prognosis in Obese Patients with COVID-19: A Mendelian Randomization Study Using UK Biobank. <i>Nutrients</i> , 2021 , 13,	6.7	7
20	Diagnostic and Prognostic Significance of Complement in Patients With Alcohol-Associated Hepatitis. <i>Hepatology</i> , 2021 , 73, 983-997	11.2	7
19	Bile acids targeted metabolomics and medication classification data in the ADNI1 and ADNI2 cohorts. <i>Scientific Data</i> , 2019 , 6, 212	8.2	6
18	Assessment of Adverse Events and Their Ability to Discriminate Response to Anti-PD-1/PD-L1 Antibody Immunotherapy. <i>Journal of Clinical Oncology</i> , 2020 , 38, 103-104	2.2	5
17	Comprehensive genomic characterization of five canine lymphoid tumor cell lines. <i>BMC Veterinary Research</i> , 2016 , 12, 207	2.7	5
16	Predictive Value of Hepatic Venous Pressure Gradient for Graft Hemodynamics in Living Donor Liver Transplantation. <i>Liver Transplantation</i> , 2019 , 25, 1034-1042	4.5	4
15	Identifying individual risk rare variants using protein structure guided local tests (POINT). <i>PLoS Computational Biology</i> , 2019 , 15, e1006722	5	4
14	Cheminformatics approach to exploring and modeling trait-associated metabolite profiles. <i>Journal of Cheminformatics</i> , 2019 , 11, 43	8.6	3
13	PGxClean: a quality control GUI for the Affymetrix DMET chip and other candidate gene studies with non-biallelic alleles. <i>BioData Mining</i> , 2014 , 7,	4.3	3

12	Salivary miRNAs as non-invasive biomarkers of hepatocellular carcinoma: a pilot study.. <i>PeerJ</i> , 2022 , 10, e12715	3.1	3
11	Assessment of potential miRNA biomarkers of VERO-cell tumorigenicity in a new line (AGMK1-9T7) of African green monkey kidney cells. <i>Vaccine</i> , 2017 , 35, 5503-5509	4.1	2
10	A Bioinformatics Crash Course for Interpreting Genomics Data. <i>Chest</i> , 2020 , 158, S113-S123	5.3	2
9	Altered Bile Acid Profile Associates with Cognitive Impairment in Alzheimer's Disease [An Emerging Role for Gut Microbiome		2
8	A Type 2 Diabetes Subtype Responsive to ACCORD Intensive Glycemia Treatment. <i>Diabetes Care</i> , 2021 , 44, 1410-1418	14.6	2
7	Incorporating Concomitant Medications into Genome-Wide Analyses for the Study of Complex Disease and Drug Response. <i>Frontiers in Genetics</i> , 2016 , 7, 138	4.5	2
6	Adverse Cardiovascular Outcomes and Antihypertensive Treatment: A Genome-Wide Interaction Meta-Analysis in the International Consortium for Antihypertensive Pharmacogenomics Studies. <i>Clinical Pharmacology and Therapeutics</i> , 2021 , 110, 723-732	6.1	2
5	Tumor exome sequencing and copy number alterations reveal potential predictors of intrinsic resistance to multi-targeted tyrosine kinase inhibitors. <i>Oncotarget</i> , 2017 , 8, 115114-115127	3.3	1
4	Salivary Metabolites are Promising Non-Invasive Biomarkers of Hepatocellular Carcinoma and Chronic Liver Disease. <i>Liver Cancer International</i> , 2021 , 2, 33-44	0.8	1
3	Unbiased Metabolomic Screening Reveals Pre-Existing Plasma Signatures in Large B-Cell Lymphoma Patients Treated with Anti-CD19 Chimeric Antigen Receptor (CAR) T-Cells: Association with Cytokine Release Syndrome (CRS) and Neurotoxicity (ICANS). <i>Blood</i> , 2020 , 136, 42-43	2.2	0
2	Associations of weight loss with obesity-related comorbidities in a large integrated health system. <i>Diabetes, Obesity and Metabolism</i> , 2021 , 23, 2804-2813	6.7	0
1	Response to "Accurate Risk-Based Chemical Screening * Relies on Robust Exposure Estimates". <i>Toxicological Sciences</i> , 2012 , 128, 297-299	4.4	