

John R Bucher

List of Publications by Citations

Source: <https://exaly.com/author-pdf/11105627/john-r-bucher-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.

68

papers

4,509

citations

29

h-index

67

g-index

72

ext. papers

5,145

ext. citations

5.8

avg. IF

5.33

L-index

#	Paper	IF	Citations
68	Toxicology. Transforming environmental health protection. <i>Science</i> , 2008 , 319, 906-7	33.3	478
67	Role of environmental chemicals in diabetes and obesity: a National Toxicology Program workshop review. <i>Environmental Health Perspectives</i> , 2012 , 120, 779-89	8.4	434
66	Improving the human hazard characterization of chemicals: a Tox21 update. <i>Environmental Health Perspectives</i> , 2013 , 121, 756-65	8.4	407
65	A framework for human relevance analysis of information on carcinogenic modes of action. <i>Critical Reviews in Toxicology</i> , 2003 , 33, 591-653	5.7	349
64	Key Characteristics of Carcinogens as a Basis for Organizing Data on Mechanisms of Carcinogenesis. <i>Environmental Health Perspectives</i> , 2016 , 124, 713-21	8.4	290
63	Systematic review and evidence integration for literature-based environmental health science assessments. <i>Environmental Health Perspectives</i> , 2014 , 122, 711-8	8.4	244
62	The requirement for ferric in the initiation of lipid peroxidation by chelated ferrous iron. <i>Biochemical and Biophysical Research Communications</i> , 1983 , 111, 777-84	3.4	220
61	Pharmacokinetics of bisphenol A in humans following a single oral administration. <i>Environment International</i> , 2015 , 83, 107-15	12.9	177
60	Bisphenol A, Bisphenol S, and 4-Hydro xyphenyl 4-Isopro oxyphenyl sulfone (BPSIP) in Urine and Blood of Cashiers. <i>Environmental Health Perspectives</i> , 2016 , 124, 437-44	8.4	139
59	Thiol-dependent lipid peroxidation. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 107, 279-85	3.4	136
58	The multiple effects of ethylenediaminetetraacetate in several model lipid peroxidation systems. <i>Archives of Biochemistry and Biophysics</i> , 1982 , 218, 450-8	4.1	98
57	Oxygen-induced alterations in lung vascular development in the newborn rat. <i>Pediatric Research</i> , 1983 , 17, 368-75	3.2	93
56	Dose-additive carcinogenicity of a defined mixture of "dioxin-like compounds". <i>Environmental Health Perspectives</i> , 2005 , 113, 43-8	8.4	85
55	Impact of Helicobacter hepaticus infection in B6C3F1 mice from twelve National Toxicology Program two-year carcinogenesis studies. <i>Toxicologic Pathology</i> , 1998 , 26, 602-11	2.1	84
54	NIEHS/FDA CLARITY-BPA research program update. <i>Reproductive Toxicology</i> , 2015 , 58, 33-44	3.4	72
53	A new approach to synergize academic and guideline-compliant research: the CLARITY-BPA research program. <i>Reproductive Toxicology</i> , 2013 , 40, 35-40	3.4	72
52	A 21st century paradigm for evaluating the health hazards of nanoscale materials?. <i>Toxicological Sciences</i> , 2009 , 110, 251-4	4.4	66

51	The National Toxicology Program evaluation of genetically altered mice as predictive models for identifying carcinogens. <i>Toxicologic Pathology</i> , 1998 , 26, 461-73	2.1	57
50	The National Toxicology Program rodent bioassay: designs, interpretations, and scientific contributions. <i>Annals of the New York Academy of Sciences</i> , 2002 , 982, 198-207	6.5	50
49	The Tox21 10K Compound Library: Collaborative Chemistry Advancing Toxicology. <i>Chemical Research in Toxicology</i> , 2021 , 34, 189-216	4	40
48	Comparative toxicity and carcinogenicity of soluble and insoluble cobalt compounds. <i>Toxicology</i> , 2015 , 333, 195-205	4.4	39
47	Tg.AC genetically altered mouse: assay working group overview of available data. <i>Toxicologic Pathology</i> , 2001 , 29 Suppl, 60-80	2.1	37
46	Results and conclusions of the National Toxicology Program's rodent carcinogenicity studies with sodium fluoride. <i>International Journal of Cancer</i> , 1991 , 48, 733-7	7.5	37
45	Effect of cell phone radiofrequency radiation on body temperature in rodents: Pilot studies of the National Toxicology Program's reverberation chamber exposure system. <i>Bioelectromagnetics</i> , 2018 , 39, 190-199	1.6	34
44	Prioritizing Environmental Chemicals for Obesity and Diabetes Outcomes Research: A Screening Approach Using ToxCast's High-Throughput Data. <i>Environmental Health Perspectives</i> , 2016 , 124, 1141-54	8.4	34
43	alpha 2u-globulin nephropathy and renal tumors in national toxicology program studies. <i>Toxicologic Pathology</i> , 2007 , 35, 533-40	2.1	33
42	Human carcinogenic risk evaluation, Part V: The national toxicology program vision for assessing the human carcinogenic hazard of chemicals. <i>Toxicological Sciences</i> , 2004 , 82, 363-6	4.4	33
41	Evaluation of the genotoxicity of cell phone radiofrequency radiation in male and female rats and mice following subchronic exposure. <i>Environmental and Molecular Mutagenesis</i> , 2020 , 61, 276-290	3.2	32
40	Naturally complex: Perspectives and challenges associated with Botanical Dietary Supplement Safety assessment. <i>Food and Chemical Toxicology</i> , 2018 , 118, 963-971	4.7	31
39	Quantitation of cinnamaldehyde and cinnamic acid in blood by HPLC. <i>Journal of Analytical Toxicology</i> , 1992 , 16, 359-62	2.9	28
38	Selective inhibition of cytochrome P450 2E1 in vivo and in vitro with trans-1,2-dichloroethylene. <i>Chemical Research in Toxicology</i> , 1998 , 11, 778-85	4	27
37	Translational cancer research: balancing prevention and treatment to combat cancer globally. <i>Journal of the National Cancer Institute</i> , 2015 , 107, 353	9.7	26
36	Comparison of chronic toxicity and carcinogenicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in 2-year bioassays in female Sprague-Dawley rats. <i>Molecular Nutrition and Food Research</i> , 2006 , 50, 934-44	5.9	25
35	Carcinogenicity studies of oxazepam in mice. <i>Fundamental and Applied Toxicology</i> , 1994 , 23, 280-97		25
34	Low frequency of H-ras mutations in hepatocellular adenomas and carcinomas and in hepatoblastomas from B6C3F1 mice exposed to oxazepam in the diet. <i>Carcinogenesis</i> , 1994 , 15, 1083-7	4.6	24

33	The subunit composition of beef heart cytochrome c oxidase. <i>FEBS Letters</i> , 1975 , 60, 180-4	3.8	24
32	Doses in rodent cancer studies: sorting fact from fiction. <i>Drug Metabolism Reviews</i> , 2000 , 32, 153-63	7	22
31	Toxicity and carcinogenicity of methyl isobutyl ketone in F344N rats and B6C3F1 mice following 2-year inhalation exposure. <i>Toxicology</i> , 2008 , 244, 209-19	4.4	21
30	Toxicity characterization of environmental chemicals by the US National Toxicology Program: an overview. <i>International Journal of Hygiene and Environmental Health</i> , 2003 , 206, 437-45	6.9	20
29	Toxicology and carcinogenicity studies of diuretics in F344 rats and B6C3F1 mice. 1. Hydrochlorothiazide. <i>Journal of Applied Toxicology</i> , 1990 , 10, 359-67	4.1	20
28	Toxicology and carcinogenicity studies of diuretics in F344 rats and B6C3F1 mice. 2. Furosemide. <i>Journal of Applied Toxicology</i> , 1990 , 10, 369-78	4.1	20
27	The National Toxicology Program Web-based nonneoplastic lesion atlas: a global toxicology and pathology resource. <i>Toxicologic Pathology</i> , 2014 , 42, 458-60	2.1	19
26	Toxicity and Carcinogenicity Studies of Oxazepam in the Fischer 344 Rat. <i>Toxicological Sciences</i> , 1998 , 42, 1-12	4.4	19
25	Toxicity of diethanolamine. 1. Drinking water and topical application exposures in F344 rats. <i>Journal of Applied Toxicology</i> , 1994 , 14, 1-9	4.1	19
24	Screening for Developmental Neurotoxicity at the National Toxicology Program: The Future Is Here. <i>Toxicological Sciences</i> , 2019 , 167, 6-14	4.4	19
23	Toxicity of diethanolamine. 2. Drinking water and topical application exposures in B6C3F1 mice. <i>Journal of Applied Toxicology</i> , 1994 , 14, 11-9	4.1	18
22	Do endogenous volatile organic chemicals measured in breath reflect and maintain CYP2E1 levels in vivo?. <i>Toxicology and Applied Pharmacology</i> , 1997 , 146, 255-60	4.6	17
21	Influence of <i>Helicobacter hepaticus</i> infection on the chronic toxicity and carcinogenicity of triethanolamine in B6C3F1 mice. <i>Toxicologic Pathology</i> , 2008 , 36, 783-94	2.1	16
20	Evaluation of 5-day In Vivo Rat Liver and Kidney With High-throughput Transcriptomics for Estimating Benchmark Doses of Apical Outcomes. <i>Toxicological Sciences</i> , 2020 , 176, 343-354	4.4	15
19	The influence of cytochrome P450 enzyme activity on the composition and quantity of volatile organics in expired breath. <i>Biomarkers</i> , 1996 , 1, 196-201	2.6	14
18	Origin of mitochondrial enzymes. V. The polypeptide character and the biosynthesis of rat liver cytochrome c oxidase polypeptides by mitochondria. <i>Journal of Bioenergetics and Biomembranes</i> , 1978 , 10, 59-74	3.7	14
17	Active oxygen and toxicity. <i>Advances in Experimental Medicine and Biology</i> , 1986 , 197, 513-26	3.6	14
16	Regulatory forum opinion piece: Tox21 and toxicologic pathology. <i>Toxicologic Pathology</i> , 2013 , 41, 125-72.1		13

15	Toxicity and carcinogenicity studies of nalidixic acid in rodents. <i>Drug and Chemical Toxicology</i> , 1991 , 14, 45-66	2.3	10
14	Oral and dermal exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) induces cutaneous papillomas and squamous cell carcinomas in female hemizygous Tg.AC transgenic mice. <i>Toxicological Sciences</i> , 2004 , 82, 34-45	4.4	9
13	Pharmacokinetics of bisphenol A in humans following dermal administration. <i>Environment International</i> , 2020 , 144, 106031	12.9	9
12	Inhalation toxicology and carcinogenesis studies of propylene glycol mono-t-butyl ether in rats and mice. <i>Toxicology</i> , 2004 , 199, 1-22	4.4	8
11	No evidence of toxicity or carcinogenicity of pentaerythritol tetranitrate given in the diet to F344 rats and B6C3F1 mice for up to two years. <i>Journal of Applied Toxicology</i> , 1990 , 10, 353-7	4.1	6
10	New Toxicology Tools and the Emerging Paradigm Shift in Environmental Health Decision-Making. <i>Environmental Health Perspectives</i> , 2019 , 127, 125002	8.4	6
9	Bisphenols: More unnecessary surprises. <i>Endocrine Disruptors (Austin, Tex)</i> , 2016 , 4, e1131032		5
8	Pharmacodynamic responses of F344 rats to the mouse hepatocarcinogen oxazepam in a 90-day feed study. <i>Toxicology and Applied Pharmacology</i> , 1998 , 149, 41-8	4.6	4
7	Application of Microencapsulation for Toxicology StudiesIII. Bioavailability of Microencapsulated Cinnamaldehyde. <i>Toxicological Sciences</i> , 1993 , 20, 83-87	4.4	4
6	Toxicity and carcinogenicity studies of phenylephrine hydrochloride in F344/N rats and B6C3F1 mice. <i>Drug and Chemical Toxicology</i> , 1988 , 11, 355-70	2.3	2
5	Isolation and characterization of granulocyte lysosomal proteins and study of their effects on the clotting system. <i>American Journal of Hematology</i> , 1979 , 7, 265-79	7.1	2
4	Lyme Disease Research. <i>Science</i> , 1995 , 270, 1421-1422	33.3	1
3	DETERMINING DISEASE CAUSALITY FROM EXPERIMENTAL TOXICOLOGY STUDIES 2005 , 14, 113-133		
2	Response to Letter to the Editor. <i>Environmental and Molecular Mutagenesis</i> , 2020 , 61, 294-295	3.2	
1	Commemorating Toxicology at the National Institute of Environmental Health Sciences on the Occasion of Its 50th Anniversary. <i>Environmental Health Perspectives</i> , 2016 , 124, A192-A195	8.4	