

John R Bucher

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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.

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	The Tox21 10K Compound Library: Collaborative Chemistry Advancing Toxicology. <i>Chemical Research in Toxicology</i> , 2021 , 34, 189-216	4	40
67	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
66	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
65	Response to Letter to the Editor. <i>Environmental and Molecular Mutagenesis</i> , 2020 , 61, 294-295	3.2	
64	Pharmacokinetics of bisphenol A in humans following dermal administration. <i>Environment International</i> , 2020 , 144, 106031	12.9	9
63	New Toxicology Tools and the Emerging Paradigm Shift in Environmental Health Decision-Making. <i>Environmental Health Perspectives</i> , 2019 , 127, 125002	8.4	6
62	Screening for Developmental Neurotoxicity at the National Toxicology Program: The Future Is Here. <i>Toxicological Sciences</i> , 2019 , 167, 6-14	4.4	19
61	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
60	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
59	Bisphenols: More unnecessary surprises. <i>Endocrine Disruptors (Austin, Tex)</i> , 2016 , 4, e1131032		5
58	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
57	Bisphenol A, Bisphenol S, and 4-Hydroxyphenyl 4-Isopropoxyphenyl sulfone (BPSIP) in Urine and Blood of Cashiers. <i>Environmental Health Perspectives</i> , 2016 , 124, 437-44	8.4	139
56	Prioritizing Environmental Chemicals for Obesity and Diabetes Outcomes Research: A Screening Approach Using ToxCast High-Throughput Data. <i>Environmental Health Perspectives</i> , 2016 , 124, 1141-54	8.4	34
55	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	
54	Pharmacokinetics of bisphenol A in humans following a single oral administration. <i>Environment International</i> , 2015 , 83, 107-15	12.9	177
53	NIEHS/FDA CLARITY-BPA research program update. <i>Reproductive Toxicology</i> , 2015 , 58, 33-44	3.4	72
52	Comparative toxicity and carcinogenicity of soluble and insoluble cobalt compounds. <i>Toxicology</i> , 2015 , 333, 195-205	4.4	39

51	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
50	Systematic review and evidence integration for literature-based environmental health science assessments. <i>Environmental Health Perspectives</i> , 2014 , 122, 711-8	8.4	244
49	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
48	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
47	Improving the human hazard characterization of chemicals: a Tox21 update. <i>Environmental Health Perspectives</i> , 2013 , 121, 756-65	8.4	407
46	Regulatory forum opinion piece: Tox21 and toxicologic pathology. <i>Toxicologic Pathology</i> , 2013 , 41, 125-72.1	13	
45	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
44	A 21st century paradigm for evaluating the health hazards of nanoscale materials?. <i>Toxicological Sciences</i> , 2009 , 110, 251-4	4.4	66
43	Influence of Helicobacter hepaticus infection on the chronic toxicity and carcinogenicity of triethanolamine in B6C3F1 mice. <i>Toxicologic Pathology</i> , 2008 , 36, 783-94	2.1	16
42	Toxicology. Transforming environmental health protection. <i>Science</i> , 2008 , 319, 906-7	33.3	478
41	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
40	alpha 2u-globulin nephropathy and renal tumors in national toxicology program studies. <i>Toxicologic Pathology</i> , 2007 , 35, 533-40	2.1	33
39	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}	5.9	25
38	Dose-additive carcinogenicity of a defined mixture of "dioxin-like compounds". <i>Environmental Health Perspectives</i> , 2005 , 113, 43-8	8.4	85
37	DETERMINING DISEASE CAUSALITY FROM EXPERIMENTAL TOXICOLOGY STUDIES 2005 , 14, 113-133		
36	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
35	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
34	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

33	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
32	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
31	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
30	Tg.AC genetically altered mouse: assay working group overview of available data. <i>Toxicologic Pathology</i> , 2001 , 29 Suppl, 60-80	2.1	37
29	Doses in rodent cancer studies: sorting fact from fiction. <i>Drug Metabolism Reviews</i> , 2000 , 32, 153-63	7	22
28	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
27	Toxicity and Carcinogenicity Studies of Oxazepam in the Fischer 344 Rat. <i>Toxicological Sciences</i> , 1998 , 42, 1-12	4.4	19
26	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
25	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
24	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
23	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
22	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
21	Lyme Disease Research. <i>Science</i> , 1995 , 270, 1421-1422	33.3	1
20	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
19	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
18	Carcinogenicity studies of oxazepam in mice. <i>Fundamental and Applied Toxicology</i> , 1994 , 23, 280-97		25
17	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
16	Application of Microencapsulation for Toxicology StudiesIII. Bioavailability of Microencapsulated Cinnamaldehyde. <i>Toxicological Sciences</i> , 1993 , 20, 83-87	4.4	4

15	Quantitation of cinnamaldehyde and cinnamic acid in blood by HPLC. <i>Journal of Analytical Toxicology</i> , 1992 , 16, 359-62	2.9	28
14	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
13	Toxicity and carcinogenicity studies of nalidixic acid in rodents. <i>Drug and Chemical Toxicology</i> , 1991 , 14, 45-66	2.3	10
12	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
11	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
10	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
9	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
8	Active oxygen and toxicity. <i>Advances in Experimental Medicine and Biology</i> , 1986 , 197, 513-26	3.6	14
7	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
6	Oxygen-induced alterations in lung vascular development in the newborn rat. <i>Pediatric Research</i> , 1983 , 17, 368-75	3.2	93
5	Thiol-dependent lipid peroxidation. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 107, 279-85	3.4	136
4	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
3	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
2	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
1	The subunit composition of beef heart cytochrome c oxidase. <i>FEBS Letters</i> , 1975 , 60, 180-4	3.8	24