

Christopher J Portier

List of Publications by Year in descending order

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179
papers

7,128
citations

70961

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66788

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189
all docs

189
docs citations

189
times ranked

6615
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights from application of a hierarchical spatio-temporal model to an intensive urban black carbon monitoring dataset. <i>Atmospheric Environment</i> , 2022, 277, 119069.	1.9	3
2	Association between traffic related air pollution exposure and direct health care costs in Northern California. <i>Atmospheric Environment</i> , 2022, 287, 119271.	1.9	1
3	Achieving a High Level of Protection from Pesticides in Europe: Problems with the Current Risk Assessment Procedure and Solutions. <i>European Journal of Risk Regulation</i> , 2020, 11, 450-480.	0.8	30
4	A comprehensive analysis of the animal carcinogenicity data for glyphosate from chronic exposure rodent carcinogenicity studies. <i>Environmental Health</i> , 2020, 19, 18.	1.7	42
5	Characterizing Elevated Urban Air Pollutant Spatial Patterns with Mobile Monitoring in Houston, Texas. <i>Environmental Science & Technology</i> , 2020, 54, 2133-2142.	4.6	41
6	Concordance between sites of tumor development in humans and in experimental animals for 111 agents that are carcinogenic to humans. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2019, 22, 203-236.	2.9	22
7	Mapping Air Pollution with Google Street View Cars: Efficient Approaches with Mobile Monitoring and Land Use Regression. <i>Environmental Science & Technology</i> , 2018, 52, 12563-12572.	4.6	103
8	High-resolution mapping of traffic related air pollution with Google street view cars and incidence of cardiovascular events within neighborhoods in Oakland, CA. <i>Environmental Health</i> , 2018, 17, 38.	1.7	78
9	Elucidating environmental dimensions of neurological disorders and disease: Understanding new tools from federal chemical testing programs. <i>Science of the Total Environment</i> , 2017, 593-594, 634-640.	3.9	2
10	High-Resolution Air Pollution Mapping with Google Street View Cars: Exploiting Big Data. <i>Environmental Science & Technology</i> , 2017, 51, 6999-7008.	4.6	474
11	Re: Tarazona et al. (2017): Glyphosate toxicity and carcinogenicity: a review of the scientific basis of the European Union assessment and its differences with IARC. doi: 10.1007/s00204-017-1962-5. <i>Archives of Toxicology</i> , 2017, 91, 3195-3197.	1.9	14
12	Comparison of Points of Departure for Health Risk Assessment Based on High-Throughput Screening Data. <i>Environmental Health Perspectives</i> , 2017, 125, 623-633.	2.8	18
13	Key Characteristics of Carcinogens as a Basis for Organizing Data on Mechanisms of Carcinogenesis. <i>Environmental Health Perspectives</i> , 2016, 124, 713-721.	2.8	415
14	The Next Generation of Risk Assessment Multi-Year Study—Highlights of Findings, Applications to Risk Assessment, and Future Directions. <i>Environmental Health Perspectives</i> , 2016, 124, 1671-1682.	2.8	74
15	The Use of Signal-Transduction and Metabolic Pathways to Predict Human Disease Targets from Electric and Magnetic Fields Using in vitro Data in Human Cell Lines. <i>Frontiers in Public Health</i> , 2016, 4, 193.	1.3	3
16	Differences in the carcinogenic evaluation of glyphosate between the International Agency for Research on Cancer (IARC) and the European Food Safety Authority (EFSA). <i>Journal of Epidemiology and Community Health</i> , 2016, 70, 741-745.	2.0	138
17	A simple procedure for estimating pseudo risk ratios from exposure to non-carcinogenic chemical mixtures. <i>Archives of Toxicology</i> , 2016, 90, 513-523.	1.9	2
18	Environmental Predictors of US County Mortality Patterns on a National Basis. <i>PLoS ONE</i> , 2015, 10, e0137832.	1.1	6

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19	Building a Robust 21st Century Chemical Testing Program at the U.S. Environmental Protection Agency: Recommendations for Strengthening Scientific Engagement. <i>Environmental Health Perspectives</i> , 2015, 123, 1-5.	2.8	17
20	Inconclusive Findings: Now You See Them, Now You Don't! <i>Environmental Health Perspectives</i> , 2014, 122, A36.	2.8	10
21	Blood lead level association with lower body weight in NHANES 1999-2006. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 516-523.	1.3	67
22	Evaluation of Biomonitoring Data from the CDC National Exposure Report in a Risk Assessment Context: Perspectives across Chemicals. <i>Environmental Health Perspectives</i> , 2013, 121, 287-294.	2.8	126
23	Biological Networks for Predicting Chemical Hepatocarcinogenicity Using Gene Expression Data from Treated Mice and Relevance across Human and Rat Species. <i>PLoS ONE</i> , 2013, 8, e63308.	1.1	16
24	Gene Expression Networks. <i>Methods in Molecular Biology</i> , 2013, 930, 165-178.	0.4	2
25	Signal-To-Noise Crossover Dose: Sand et al. Respond. <i>Environmental Health Perspectives</i> , 2012, 120, .	2.8	1
26	Adverse effects in risk assessment: Modeling polychlorinated biphenyls and thyroid hormone disruption outcomes in animals and humans. <i>Environmental Research</i> , 2012, 116, 74-84.	3.7	8
27	Upstream adverse effects in risk assessment: A model of polychlorinated biphenyls, thyroid hormone disruption and neurological outcomes in humans. <i>Environmental Research</i> , 2012, 117, 90-99.	3.7	19
28	Comprehensive Environmental Public Health. <i>Public Health Reports</i> , 2011, 126, 3-6.	1.3	1
29	A Signal-to-Noise Crossover Dose as the Point of Departure for Health Risk Assessment. <i>Environmental Health Perspectives</i> , 2011, 119, 1766-1774.	2.8	32
30	Global Gene Expression Profiling of a Population Exposed to a Range of Benzene Levels. <i>Environmental Health Perspectives</i> , 2011, 119, 628-640.	2.8	94
31	Estimating the Global Public Health Implications of Electricity and Coal Consumption. <i>Environmental Health Perspectives</i> , 2011, 119, 821-826.	2.8	29
32	Approaches for Assessing Risks to Sensitive Populations: Lessons Learned from Evaluating Risks in the Pediatric Population. <i>Toxicological Sciences</i> , 2010, 113, 4-26.	1.4	36
33	What Role for Biologically Based Dose-Response Models in Estimating Low-Dose Risk?. <i>Environmental Health Perspectives</i> , 2010, 118, 585-588.	2.8	40
34	Employing a Mechanistic Model for the Mapk Pathway to Examine the Impact of Cellular all or None Behavior on Overall Tissue Response. <i>Dose-Response</i> , 2010, 8, dose-response.0.	0.7	2
35	Expression and function of 5-hydroxytryptamine 4 receptors in smooth muscle preparations from the duodenum, ileum, and pelvic flexure of horses without gastrointestinal tract disease. <i>American Journal of Veterinary Research</i> , 2010, 71, 1432-1442.	0.3	10
36	A Discrete Time Model for the Analysis of Medium-Throughput <i>C. elegans</i> Growth Data. <i>PLoS ONE</i> , 2009, 4, e7018.	1.1	23

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37	Dose-Response Modeling of High-Throughput Screening Data. <i>Journal of Biomolecular Screening</i> , 2009, 14, 1216-1227.	2.6	22
38	Tackling the Research Challenges of Health and Climate Change. <i>Environmental Health Perspectives</i> , 2009, 117, A534.	2.8	3
39	4 Toxicological decision-making on hazards and risks “ status quo and way forward. <i>Human and Experimental Toxicology</i> , 2009, 28, 123-125.	1.1	1
40	AhR-mediated gene expression in the developing mouse telencephalon. <i>Reproductive Toxicology</i> , 2009, 28, 321-328.	1.3	29
41	Genetic and environmental pathways to complex diseases. <i>BMC Systems Biology</i> , 2009, 3, 46.	3.0	65
42	Expression and function of 5-HT7 receptors in smooth muscle preparations from equine duodenum, ileum, and pelvic flexure. <i>Research in Veterinary Science</i> , 2009, 87, 292-299.	0.9	13
43	Choosing the right path: enhancement of biologically relevant sets of genes or proteins using pathway structure. <i>Genome Biology</i> , 2009, 10, R44.	13.9	36
44	Building a Framework to Identify Global Health Impacts of Power Generation Systems. <i>Epidemiology</i> , 2009, 20, S263.	1.2	1
45	Application of a Mathematical Model to Describe the Effects of Chlorpyrifos on <i>Caenorhabditis elegans</i> Development. <i>PLoS ONE</i> , 2009, 4, e7024.	1.1	46
46	Characterization of the proneural gene regulatory network during mouse telencephalon development. <i>BMC Biology</i> , 2008, 6, 15.	1.7	95
47	Uncertainties in Biologically-Based Modeling of Formaldehyde-Induced Respiratory Cancer Risk: Identification of Key Issues. <i>Risk Analysis</i> , 2008, 28, 907-923.	1.5	13
48	Stereoselective biotransformation of ketamine in equine liver and lung microsomes. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2008, 31, 446-455.	0.6	25
49	MtBE and cancer in animals: Statistical issues with poly-3 survival adjustments for lifetime studies. <i>Regulatory Toxicology and Pharmacology</i> , 2008, 50, 428-429.	1.3	3
50	In vitro effects of bethanechol on smooth muscle preparations from abomasal fundus, corpus, and antrum of dairy cows. <i>Research in Veterinary Science</i> , 2008, 84, 444-451.	0.9	5
51	Discussion and summary. <i>Radiation Protection Dosimetry</i> , 2008, 132, 273-274.	0.4	16
52	Meeting Report: Moving Upstream—Evaluating Adverse Upstream End Points for Improved Risk Assessment and Decision-Making. <i>Environmental Health Perspectives</i> , 2008, 116, 1568-1575.	2.8	68
53	Compound Cytotoxicity Profiling Using Quantitative High-Throughput Screening. <i>Environmental Health Perspectives</i> , 2008, 116, 284-291.	2.8	232
54	Health, Economy, and Environment: Sustainable Energy Choices for a Nation. <i>Environmental Health Perspectives</i> , 2008, 116, A236-7.	2.8	10

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55	Characterizing Uncertainty and Variability in Physiologically Based Pharmacokinetic Models: State of the Science and Needs for Research and Implementation. <i>Toxicological Sciences</i> , 2007, 99, 395-402.	1.4	122
56	In vitro effects of bethanechol on specimens of intestinal smooth muscle obtained from the duodenum and jejunum of healthy dairy cows. <i>American Journal of Veterinary Research</i> , 2007, 68, 313-322.	0.3	5
57	The Forest for the Trees: A Systems Approach to Human Health Research. <i>Environmental Health Perspectives</i> , 2007, 115, 1261-1263.	2.8	17
58	Absolute estimation of initial concentrations of amplicon in a real-time RT-PCR process. <i>BMC Bioinformatics</i> , 2007, 8, 409.	1.2	19
59	Filling the Translationâ€“Policy Gap. <i>Environmental Health Perspectives</i> , 2007, 115, A125-A125.	2.8	1
60	Report of an ISRTP Workshop: Progress and barriers to incorporating alternative toxicological methods in the U.S.. <i>Regulatory Toxicology and Pharmacology</i> , 2006, 46, 18-22.	1.3	24
61	Gene interaction network analysis suggests differences between high and low doses of acetaminophen. <i>Toxicology and Applied Pharmacology</i> , 2006, 215, 306-316.	1.3	23
62	Antinociceptive effects, metabolism and disposition of ketamine in ponies under target-controlled drug infusion. <i>Toxicology and Applied Pharmacology</i> , 2006, 216, 373-386.	1.3	50
63	Benchmark Dose Approach. <i>Wiley Series in Probability and Statistics</i> , 2006, , 239-254.	0.0	12
64	Pesticide Testing on Humans: Resnick and Portier Respond. <i>Environmental Health Perspectives</i> , 2005, 113, .	2.8	0
65	Dose-Response Modeling for 2,3,7,8-Tetrachlorodibenzo-p-Dioxin. , 2005, , 247-298.		0
66	Pesticide Testing on Human Subjects: Weighing Benefits and Risks. <i>Environmental Health Perspectives</i> , 2005, 113, 813-817.	2.8	28
67	Dose-Additive Carcinogenicity of a Defined Mixture of â€œDioxin-like Compoundsâ€”, <i>Environmental Health Perspectives</i> , 2005, 113, 43-48.	2.8	110
68	Variation in the Hepatic Gene Expression in Individual Male Fischer Rats. <i>Toxicologic Pathology</i> , 2005, 33, 102-110.	0.9	14
69	The NIEHS and the National Toxicology Program: An Integrated Scientific Vision. <i>Environmental Health Perspectives</i> , 2005, 113, A440-A440.	2.8	3
70	Pesticide Testing on Humans: Resnick and Portier Respond. <i>Environmental Health Perspectives</i> , 2005, 113, A805-A805.	2.8	0
71	Gene Interaction Network Suggests Dioxin Induces a Significant Linkage between Aryl Hydrocarbon Receptor and Retinoic Acid Receptor Beta. <i>Environmental Health Perspectives</i> , 2004, 112, 1217-1224.	2.8	31
72	Human consumption of methyleugenol and its elimination from serum.. <i>Environmental Health Perspectives</i> , 2004, 112, 678-680.	2.8	31

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73	The TAO-Gen Algorithm for Identifying Gene Interaction Networks with Application to SOS Repair in E. coli. Environmental Health Perspectives, 2004, 112, 1614-1621.	2.8	18
74	Extended Histopathology in Immunotoxicity Testing: Interlaboratory Validation Studies. Toxicological Sciences, 2004, 78, 107-115.	1.4	56
75	The Accuracy of Extended Histopathology to Detect Immunotoxic Chemicals. Toxicological Sciences, 2004, 82, 504-514.	1.4	55
76	Human Carcinogenic Risk Evaluation, Part V: The National Toxicology Program Vision for Assessing the Human Carcinogenic Hazard of Chemicals. Toxicological Sciences, 2004, 82, 363-366.	1.4	40
77	Application of a Statistical Dynamic Model Investigating the Short-Term Cellular Kinetics Induced by Riddelliine, a Hepatic Endothelial Carcinogen. Toxicological Sciences, 2004, 80, 258-267.	1.4	2
78	Evaluation of toxic equivalency factors for induction of cytochromes P450 CYP1A1 and CYP1A2 enzyme activity by dioxin-like compounds. Toxicology and Applied Pharmacology, 2004, 194, 156-168.	1.3	63
79	Pharmacokinetics and pharmacodynamic effects of amiodarone in plasma of ponies after single intravenous administration. Toxicology and Applied Pharmacology, 2004, 195, 113-125.	1.3	22
80	NTP-CERHR Expert Panel report on the reproductive and developmental toxicity of methanol. Reproductive Toxicology, 2004, 18, 303-390.	1.3	33
81	The TAO-Gen Algorithm for Identifying Gene Interaction Networks with Application to SOS Repair in E. coli. Environmental Health Perspectives, 2004, 112, 1614-1621.	2.8	16
82	Development of a biologically-based controlled growth and differentiation model for developmental toxicology. Journal of Mathematical Biology, 2003, 46, 1-16.	0.8	7
83	Toxicity characterization of environmental chemicals by the US National Toxicology Program: an overview. International Journal of Hygiene and Environmental Health, 2003, 206, 437-445.	2.1	24
84	Temperature, air pollution, and hospitalization for cardiovascular diseases among elderly people in Denver.. Environmental Health Perspectives, 2003, 111, 1312-1317.	2.8	267
85	Inhibition of Human and Pig Ureter Motility in Vitro and in Vivo by the K ⁺ Channel Openers PKF 217-744b and Nicorandil. Journal of Pharmacology and Experimental Therapeutics, 2002, 302, 651-658.	1.3	27
86	A Controlled Growth and Differentiation Model for Non-Monotonic Responses. Human and Ecological Risk Assessment (HERA), 2002, 8, 1739-1755.	1.7	3
87	Toxicogenomics: the new frontier in risk analysis. Carcinogenesis, 2002, 23, 903-905.	1.3	53
88	Pharmacokinetics of Sodium Nitrite-Induced Methemoglobinemia in the Rat. Drug Metabolism and Disposition, 2002, 30, 676-683.	1.7	77
89	Impact of Physiologically Based Pharmacokinetic Modeling on Benchmark Dose Calculations for TCDD-Induced Biochemical Responses. Regulatory Toxicology and Pharmacology, 2002, 36, 287-296.	1.3	13
90	The association between biomarker-based exposure estimates for phthalates and demographic factors in a human reference population.. Environmental Health Perspectives, 2002, 110, 405-410.	2.8	72

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91	Effects of ketanserin and DOI on spontaneous and 5-HT-evoked peristalsis of the pig ureter in vivo. <i>British Journal of Pharmacology</i> , 2002, 135, 1026-1032.	2.7	13
92	A Physiologically Based Pharmacokinetic Model of p,p'-Dichlorodiphenylsulfone. <i>Toxicology and Applied Pharmacology</i> , 2002, 181, 153-163.	1.3	10
93	Endocrine dismodulation and cancer. <i>Neuroendocrinology Letters</i> , 2002, 23 Suppl 2, 43-7.	0.2	7
94	Comments on the International Symposium on Light, Endocrine Systems and Cancer. <i>Neuroendocrinology Letters</i> , 2002, 23 Suppl 2, 79-81.	0.2	2
95	Physiological modeling of a proposed mechanism of enzyme induction by TCDD. <i>Toxicology</i> , 2001, 162, 193-208.	2.0	26
96	Linking toxicology and epidemiology: the role of mechanistic modelling. <i>Statistics in Medicine</i> , 2001, 20, 1387-1393.	0.8	1
97	A Physiologically Based Pharmacokinetic Model for Inhalation and Intravenous Administration of Naphthalene in Rats and Mice. <i>Toxicology and Applied Pharmacology</i> , 2001, 176, 81-91.	1.3	32
98	Identification of a Cardiac Sodium Channel Insensitive to Synthetic Modulators. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2001, 6, 201-212.	1.0	3
99	Calculation of the Cumulative Distribution Function of the Time to a Small Observable Tumor. <i>Bulletin of Mathematical Biology</i> , 2000, 62, 229-240.	0.9	10
100	Multistage, stochastic models of the cancer process: A general theory for calculating tumor incidence. <i>Stochastic Environmental Research and Risk Assessment</i> , 2000, 14, 173-179.	1.9	16
101	Human exposure estimates for phthalates.. <i>Environmental Health Perspectives</i> , 2000, 108, A440-2.	2.8	218
102	COMMENTS ON A BIOCHEMICAL MODEL OF CYCLOPHOSPHAMIDE HEMATOTOXICITY. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2000, 61, 525-528.	1.1	0
103	Risk ranges for various endpoints following exposure to 2,3,7,8-TCDD. <i>Food Additives and Contaminants</i> , 2000, 17, 335-346.	2.0	9
104	Induction of Lung Lesions in Female Rats Following Chronic Exposure to 2,3,7,8-Tetrachlorodibenzo-p-dioxin. <i>Toxicologic Pathology</i> , 2000, 28, 761-769.	0.9	22
105	Incorporating observability thresholds of tumors into the two-stage carcinogenesis model. <i>Mathematical Biosciences</i> , 2000, 163, 75-89.	0.9	6
106	Multiple organ carcinogenicity of inhaled chloroprene (2-chloro-1,3-butadiene) in F344/N rats and B6C3F1 mice and comparison of dose-response with 1,3-butadiene in mice. <i>Carcinogenesis</i> , 1999, 20, 867-878.	1.3	47
107	Characterization of the Dose-Response of CYP1B1, CYP1A1, and CYP1A2 in the Liver of Female Sprague-Dawley Rats Following Chronic Exposure to 2,3,7,8-Tetrachlorodibenzo-p-dioxin. <i>Toxicology and Applied Pharmacology</i> , 1999, 154, 279-286.	1.3	88
108	Effects of Glutathione Transferase Theta Polymorphism on the Risk Estimates of Dichloromethane to Humans. <i>Toxicology and Applied Pharmacology</i> , 1999, 158, 221-230.	1.3	64

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109	Replication Potential of Cells via the Protein Kinase C-MAPK pathway: Application of a Mathematical Model. <i>Bulletin of Mathematical Biology</i> , 1999, 61, 379-398.	0.9	15
110	Quantitative Mechanistically Based Dose-Response Modeling with Endocrine-Active Compounds. <i>Environmental Health Perspectives</i> , 1999, 107, 631.	2.8	3
111	Using Structural Information to Create Physiologically Based Pharmacokinetic Models for all Polychlorinated Biphenyls. <i>Toxicology and Applied Pharmacology</i> , 1998, 151, 110-116.	1.3	26
112	Eyes Closed: Simple, Intuitive, Statistically Sound, and Efficient Methods for Estimating Parameters of Clonal Growth Cancer Models. <i>Risk Analysis</i> , 1998, 18, 529-534.	1.5	4
113	Characterizing Dose-Response I: Critical Assessment of the Benchmark Dose Concept. <i>Risk Analysis</i> , 1998, 18, 13-26.	1.5	53
114	A model for hepatocarcinogenesis treating phenotypical changes in focal hepatocellular lesions as epigenetic events. <i>Mathematical Biosciences</i> , 1998, 148, 181-204.	0.9	26
115	Immunologic Findings in Workers Formerly Exposed to 2,3,7,8-Tetrachlorodibenzo-p-Dioxin and Its Congeners. <i>Environmental Health Perspectives</i> , 1998, 106, 689.	2.8	0
116	Genetic susceptibility: significance in risk assessment. <i>Toxicology Letters</i> , 1998, 102-103, 185-189.	0.4	9
117	U-shaped dose-response curves for carcinogens. <i>Human and Experimental Toxicology</i> , 1998, 17, 705-707.	1.1	4
118	U-shaped dose-response curves for carcinogens. <i>Human and Experimental Toxicology</i> , 1998, 17, 705-707.	1.1	1
119	Statistical research needs in mechanistic modelling for carcinogenic risk assessment. <i>Statistical Methods in Medical Research</i> , 1997, 6, 305-315.	0.7	10
120	The Two-Stage Model of Carcinogenesis: Overcoming the Nonidentifiability Dilemma. <i>Risk Analysis</i> , 1997, 17, 367-374.	1.5	8
121	Evaluation of Chemicals with Endocrine Modulating Activity in a Yeast-Based Steroid Hormone Receptor Gene Transcription Assay. <i>Toxicology and Applied Pharmacology</i> , 1997, 143, 205-212.	1.3	635
122	Using Structural Information to Create Physiologically Based Pharmacokinetic Models for All Polychlorinated Biphenyls. <i>Toxicology and Applied Pharmacology</i> , 1997, 144, 340-347.	1.3	82
123	A Mathematical Model of Production, Distribution, and Metabolism of Melatonin in Mammalian Systems. <i>Toxicology and Applied Pharmacology</i> , 1997, 147, 83-92.	1.3	10
124	Implications for Risk Assessment of Suggested Nongenotoxic Mechanisms of Chemical Carcinogenesis. <i>Environmental Health Perspectives</i> , 1996, 104, 123.	2.8	28
125	Stochastic simulation of a multistage model of carcinogenesis. <i>Mathematical Biosciences</i> , 1996, 134, 35-50.	0.9	8
126	Calculating tumor incidence rates in stochastic models of carcinogenesis. <i>Mathematical Biosciences</i> , 1996, 135, 129-146.	0.9	35

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127	A Mechanistic Model of Effects of Dioxin on Thyroid Hormones in the Rat. Toxicology and Applied Pharmacology, 1996, 136, 29-48.	1.3	85
128	Modeling the Number and Size of Hepatic Focal Lesions Following Exposure to 2,3,7,8-TCDD. Toxicology and Applied Pharmacology, 1996, 138, 20-30.	1.3	48
129	Quantitative analysis of multiple phenotype enzyme-altered foci in rat hepatocarcinogenesis experiments: the multipath/multistage model. Carcinogenesis, 1995, 16, 2499-2506.	1.3	12
130	Carcinoma formation in NMRI mouse skin painting studies is a process suggesting greater than two stages. Carcinogenesis, 1995, 16, 53-59.	1.3	23
131	Nonlinearity of dose-response functions for carcinogenicity.. Environmental Health Perspectives, 1994, 102, 109-113.	2.8	37
132	Biostatistical issues in the design and analysis of animal carcinogenicity experiments.. Environmental Health Perspectives, 1994, 102, 5-8.	2.8	22
133	Use of animal studies in risk assessment for immunotoxicology. Toxicology, 1994, 92, 229-243.	2.0	34
134	The Importance of Biological Realism in Dioxin Risk Assessment Models Michael. Risk Analysis, 1994, 14, 993-1000.	1.5	14
135	Multistage Models of Carcinogenesis: An Approximation for the Size and Number Distribution of Late-Stage Clones. Risk Analysis, 1994, 14, 1039-1048.	1.5	14
136	The Exact Formula for Tumor Incidence in the Two-Stage Model. Risk Analysis, 1994, 14, 1079-1080.	1.5	60
137	The use of animal tests in risk assessment for immunotoxicology. Toxicology in Vitro, 1994, 8, 945-950.	1.1	5
138	A stem cell model for carcinogenesis. Mathematical Biosciences, 1994, 120, 211-232.	0.9	13
139	Potential Effects of Chemical Mixtures on the Carcinogenic Process within the Context of the Mathematical Multistage Model. , 1994, , 665-686.		5
140	Effects of the Mechanism of Receptor-Mediated Gene Expression on the Shape of the Dose-Response Curve. Risk Analysis, 1993, 13, 565-572.	1.5	25
141	Mechanistic Modelling and Risk Assessment. Basic and Clinical Pharmacology and Toxicology, 1993, 72, 28-32.	0.0	4
142	A Mechanistic Model of Effects of Dioxin on Gene Expression in the Rat Liver. Toxicology and Applied Pharmacology, 1993, 120, 138-154.	1.3	115
143	An Evaluation of Some Methods for Fitting Dose-Response Models to Quantal- Response Developmental Toxicology Data. Biometrics, 1993, 49, 779.	0.8	31
144	A Measure of Tumorigenic Potency Incorporating Dose-Response Shape. Biometrics, 1993, 49, 917.	0.8	17

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145	Cell Proliferation and Chemical Carcinogenesis: Symposium Overview. Environmental Health Perspectives, 1993, 101, 3.	2.8	2
146	Using Cell Replication Data in Mathematical Modeling in Carcinogenesis. Environmental Health Perspectives, 1993, 101, 79.	2.8	4
147	Risk Assessment in Immunotoxicology. Toxicological Sciences, 1993, 21, 71-82.	1.4	11
148	An Index of Tumorigenic Potency. Biometrics, 1993, 49, 357.	0.8	7
149	Birth and death/differentiation rates of papillomas in mouse skin. Carcinogenesis, 1992, 13, 973-978.	1.3	42
150	Explicit solutions for constrained maximum likelihood estimators in survival/sacrifice experiments. Biometrika, 1992, 79, 717-729.	1.3	9
151	Risk Assessment in Immunotoxicology. Toxicological Sciences, 1992, 18, 200-210.	1.4	19
152	Analytic expressions for maximum likelihood estimators in a nonparametric model of tumor incidence and death. Communications in Statistics - Theory and Methods, 1992, 21, 711-732.	0.6	20
153	Qualitative and quantitative experimental models to aid in risk assessment for immunotoxicology. Toxicology Letters, 1992, 64-65, 71-78.	0.4	47
154	Uncertainty in physiological pharmacokinetic modeling and its impact on statistical risk estimation of 2,3,7,8 TCDD. Chemosphere, 1992, 25, 239-242.	4.2	4
155	Concordance of Carcinogenic Response between Rodent Species: Potency Dependence and Potential Underestimation. Risk Analysis, 1992, 12, 115-121.	1.5	18
156	Should the presence of carcinogens in breast milk discourage breast feeding?. Regulatory Toxicology and Pharmacology, 1991, 13, 228-240.	1.3	35
157	The application of a multistage model that incorporates DNA damage and repair to the analysis of initiation/promotion experiments. Mathematical Biosciences, 1991, 105, 139-166.	0.9	29
158	An Evaluation of the Rai and Van Ryzin Dose-Response Model in Teratology. Risk Analysis, 1991, 11, 111-120.	1.5	14
159	A Multistage Model of Carcinogenesis Incorporating DNA Damage and Repair. Risk Analysis, 1991, 11, 535-543.	1.5	47
160	Distinguishing between Models of Carcinogenesis: The Role of Clonal Expansion. Toxicological Sciences, 1991, 17, 601-613.	1.4	0
161	A note on fitting one-compartment models: Non-linear least squares versus linear least squares using transformed data. Journal of Applied Toxicology, 1990, 10, 303-306.	1.4	7
162	Two-Stage Models of Carcinogenesis, Classification of Agents, and Design of Experiments. Toxicological Sciences, 1990, 14, 444-460.	1.4	0

#	ARTICLE	IF	CITATIONS
163	Variability of Safe Dose Estimates When Using Complicated Models of the Carcinogenic Process. <i>Toxicological Sciences</i> , 1989, 13, 533-544.	1.4	0
164	Two-stage models of tumor incidence for historical control animals in the national toxicology program's carcinogenicity experiments. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1989, 27, 21-45.	1.1	14
165	Testing for Increased Carcinogenicity Using a Survival-Adjusted Quantal Response Test. <i>Toxicological Sciences</i> , 1989, 12, 731-737.	1.4	3
166	A Note on Approximating the Cumulative Distribution Function of the Time to Tumor Onset in Multistage Models. <i>Biometrics</i> , 1989, 45, 1259.	0.8	13
167	An illustration of dangers of ignoring survival differences in carcinogenic data. <i>Journal of Applied Toxicology</i> , 1988, 8, 185-189.	1.4	7
168	Species Correlation of Chemical Carcinogens. <i>Risk Analysis</i> , 1988, 8, 551-553.	1.5	5
169	Effects of Treatment-Induced Mortality and Tumor-Induced Mortality on Tests for Carcinogenicity in Small Samples. <i>Biometrics</i> , 1988, 44, 417.	0.8	242
170	Life Table Analysis of Carcinogenicity Experiments. <i>Journal of the American College of Toxicology</i> , 1988, 7, 575-582.	0.2	1
171	Semiparametric Analysis of Tumor Incidence Rates in Survival/Sacrifice Experiments. <i>Biometrics</i> , 1987, 43, 107.	0.8	39
172	Simulating failure times when the event of interest is unobservable with emphasis on animal carcinogenicity studies. <i>Journal of Biomedical Informatics</i> , 1987, 20, 458-466.	0.7	8
173	Issues Concerning the Estimation of the TD50. <i>Risk Analysis</i> , 1987, 7, 437-447.	1.5	22
174	The Impact of Litter Effects on Dose-Response Modeling in Teratology. <i>Biometrics</i> , 1986, 42, 85.	0.8	170
175	Type 1 Error and Power of the Linear Trend Test in Proportions under the National Toxicology Program's Modified Pathology Protocol. <i>Toxicological Sciences</i> , 1986, 6, 515-519.	1.4	0
176	Estimating the tumour onset distribution in animal carcinogenesis experiments. <i>Biometrika</i> , 1986, 73, 371-378.	1.3	38
177	Type 1 error of trend tests in proportions and the design of cancer screens. <i>Communications in Statistics - Theory and Methods</i> , 1984, 13, 1-14.	0.6	35
178	Design of Animal Carcinogenicity Studies for Goodness-of-Fit of Multistage Models. <i>Toxicological Sciences</i> , 1984, 4, 949-959.	1.4	0
179	Low-Dose-Rate Extrapolation Using the Multistage Model. <i>Biometrics</i> , 1983, 39, 897.	0.8	44