

Paul A White

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

6,344
citations

81743

39
h-index

71532

76
g-index

117
all docs

117
docs citations

117
times ranked

6611
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive interpretation of in vitro micronucleus test results for 292 chemicals: from hazard identification to risk assessment application. Archives of Toxicology, 2022, 96, 2067-2085.	1.9	15
2	A comparison of the lowest effective concentration in culture media for detection of chromosomal damage in vitro and in blood or plasma for detection of micronuclei in vivo. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2022, 879-880, 503503.	0.9	1
3	The influence of demographic and lifestyle factors on urinary levels of PAH metabolites—empirical analyses of Cycle 2 (2009–2011) CHMS data. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 386-397.	1.8	18
4	The 28%+28% day design is an effective sampling time for analyzing mutant frequencies in rapidly proliferating tissues of MutaMouse animals. Archives of Toxicology, 2021, 95, 1103-1116.	1.9	8
5	Mutation as a Toxicological Endpoint for Regulatory Decision-Making. Environmental and Molecular Mutagenesis, 2020, 61, 34-41.	0.9	44
6	The IARC Monographs: Updated Procedures for Modern and Transparent Evidence Synthesis in Cancer Hazard Identification. Journal of the National Cancer Institute, 2020, 112, 30-37.	3.0	69
7	Polycyclic aromatic hydrocarbon (PAH) and metal contamination of air and surfaces exposed to combustion emissions during emergency fire suppression: Implications for firefighters' exposures. Science of the Total Environment, 2020, 698, 134211.	3.9	52
8	Utility of a next generation framework for assessment of genomic damage: A case study using the industrial chemical benzene. Environmental and Molecular Mutagenesis, 2020, 61, 94-113.	0.9	19
9	Quantitative Interpretation of Genetic Toxicity Dose-Response Data for Risk Assessment and Regulatory Decision-Making: Current Status and Emerging Priorities. Environmental and Molecular Mutagenesis, 2020, 61, 66-83.	0.9	49
10	<i>In vitro</i> mutagenicity of selected environmental carcinogens and their metabolites in MutaMouse FE1 lung epithelial cells. Mutagenesis, 2020, 35, 453-463.	1.0	4
11	Integrated in silico and in vitro genotoxicity assessment of thirteen data-poor substances. Regulatory Toxicology and Pharmacology, 2019, 107, 104427.	1.3	1
12	The IWGT in vitro Mammalian Cell Gene Mutation (MCGM) assays working group—Introductory remarks & consensus statements. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 848, 403061.	0.9	5
13	The development and prevalidation of an in vitro mutagenicity assay based on MutaMouse primary hepatocytes, Part I: Isolation, structural, genetic, and biochemical characterization. Environmental and Molecular Mutagenesis, 2019, 60, 331-347.	0.9	3
14	The mutagenic activity of select azo compounds in MutaMouse target tissues in vivo and primary hepatocytes in vitro. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 844, 25-34.	0.9	11
15	In vitro mammalian cell mutation assays based on transgenic reporters: A report of the International Workshop on Genotoxicity Testing (IWGT). Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2019, 847, 403039.	0.9	19
16	The development and prevalidation of an in vitro mutagenicity assay based on MutaMouse primary hepatocytes, Part II: Assay performance for the identification of mutagenic chemicals. Environmental and Molecular Mutagenesis, 2019, 60, 348-360.	0.9	5
17	Benchmark dose analyses of multiple genetic toxicity endpoints permit robust, cross-tissue comparisons of MutaMouse responses to orally delivered benzo[a]pyrene. Archives of Toxicology, 2018, 92, 967-982.	1.9	32
18	Genetic Toxicity of Complex Mixtures of Polycyclic Aromatic Hydrocarbons: Evaluating Dose-Additivity in a Transgenic Mouse Model. Environmental Science & Technology, 2017, 51, 8138-8148.	4.6	12

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19	Characterizing Nanoparticles in Biological Matrices: Tipping Points in Agglomeration State and Cellular Delivery <i>in vitro</i> . ACS Nano, 2017, 11, 11986-12000.	7.3	33
20	Comparing BMD-derived genotoxic potency estimations across variants of the transgenic rodent gene mutation assay. Environmental and Molecular Mutagenesis, 2017, 58, 632-643.	0.9	25
21	Elevated Exposures to Polycyclic Aromatic Hydrocarbons and Other Organic Mutagens in Ottawa Firefighters Participating in Emergency, On-Shift Fire Suppression. Environmental Science & Technology, 2017, 51, 12745-12755.	4.6	80
22	Performance of the <i>in vitro</i> transgene mutation assay in MutaMouse FE1 cells: Evaluation of nine misleading (‘‘False’’) positive chemicals. Environmental and Molecular Mutagenesis, 2017, 58, 582-591.	0.9	11
23	Multi-walled carbon nanotube-induced genotoxic, inflammatory and pro-fibrotic responses in mice: Investigating the mechanisms of pulmonary carcinogenesis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2017, 823, 28-44.	0.9	72
24	Regulating temperature and relative humidity in air-liquid interface <i>in vitro</i> systems eliminates cytotoxicity resulting from control air exposures. Toxicology Research, 2017, 6, 448-459.	0.9	20
25	A framework for the use of single-chemical transcriptomics data in predicting the hazards associated with complex mixtures of polycyclic aromatic hydrocarbons. Archives of Toxicology, 2017, 91, 2599-2616.	1.9	17
26	Quantitative relationships between <i>lacZ</i> mutant frequency and DNA adduct frequency in MutaMouse tissues and cultured cells exposed to 3-nitrobenzanthrone. Mutagenesis, 2017, 32, gew067.	1.0	11
27	Oral exposure to commercially available coal tar-based pavement sealcoat induces murine genetic damage and mutations. Environmental and Molecular Mutagenesis, 2016, 57, 535-545.	0.9	8
28	Empirical analysis of BMD metrics in genetic toxicology part II: <i>in vivo</i> potency comparisons to promote reductions in the use of experimental animals for genetic toxicity assessment. Mutagenesis, 2016, 31, 265-275.	1.0	48
29	Transcriptional profiling of the mouse hippocampus supports an NMDAR-mediated neurotoxic mode of action for benzo[<i>a</i>]pyrene. Environmental and Molecular Mutagenesis, 2016, 57, 350-363.	0.9	15
30	Mitochondrial DNA exhibits resistance to induced point and deletion mutations. Nucleic Acids Research, 2016, 44, 8513-8524.	6.5	43
31	Evaluation of the <i>LacZ</i> reporter assay in cryopreserved primary hepatocytes for <i>in vitro</i> genotoxicity testing. Environmental and Molecular Mutagenesis, 2016, 57, 643-655.	0.9	5
32	Tissue-specific <i>in vivo</i> genetic toxicity of nine polycyclic aromatic hydrocarbons assessed using the MutaMouse transgenic rodent assay. Toxicology and Applied Pharmacology, 2016, 290, 31-42.	1.3	52
33	Empirical analysis of BMD metrics in genetic toxicology part I: <i>in vitro</i> analyses to provide robust potency rankings and support MOA determinations. Mutagenesis, 2016, 31, 255-263.	1.0	68
34	Transcriptional Profiling of Dibenzo[<i>def,p</i>]chrysene-induced Spleen Atrophy Provides Mechanistic Insights into its Immunotoxicity in MutaMouse. Toxicological Sciences, 2016, 149, 251-268.	1.4	14
35	The utility of metabolic activation mixtures containing human hepatic post-mitochondrial supernatant (S9) for <i>in vitro</i> genetic toxicity assessment. Mutagenesis, 2016, 31, 117-130.	1.0	37
36	Genetic toxicology at the crossroads: from qualitative hazard evaluation to quantitative risk assessment. Mutagenesis, 2016, 31, 233-237.	1.0	31

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37	MutAIT: an online genetic toxicology data portal and analysis tools. <i>Mutagenesis</i> , 2016, 31, 323-328.	1.0	10
38	Genetic toxicity assessment of engineered nanoparticles using a 3D in vitro skin model (EpiDerm [®] , Φ). <i>Particle and Fibre Toxicology</i> , 2015, 13, 50.	2.8	51
39	HPLC Measurement of the DNA Oxidation Biomarker, 8-oxo-7,8-dihydro-2’-deoxyguanosine, in Cultured Cells and Animal Tissues. <i>Journal of Visualized Experiments</i> , 2015, , e52697.	0.2	9
40	TP53 mutations induced by BPDE in Xpa-WT and Xpa-Null human TP53 knock-in (Hupki) mouse embryo fibroblasts. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 773, 48-62.	0.4	39
41	Cancer Risk Assessment of Polycyclic Aromatic Hydrocarbon Contaminated Soils Determined Using Bioassay-Derived Levels of Benzo[<i>a</i>]pyrene Equivalents. <i>Environmental Science & Technology</i> , 2015, 49, 1797-1805.	4.6	58
42	In Vitro Mammalian Mutagenicity of Complex Polycyclic Aromatic Hydrocarbon Mixtures in Contaminated Soils. <i>Environmental Science & Technology</i> , 2015, 49, 1787-1796.	4.6	26
43	RE: Recommendations, evaluation and validation of a semi-automated, fluorescent-based scoring protocol for micronucleus testing in human cells (<i>Mutagenesis</i> , 29, 155â€“164, 2014). <i>Mutagenesis</i> , 2015, 30, 311-312.	1.0	3
44	New approaches to advance the use of genetic toxicology analyses for human health risk assessment. <i>Toxicology Research</i> , 2015, 4, 667-676.	0.9	34
45	The in vivo Pig-a assay: A report of the International Workshop On Genotoxicity Testing (IWGT) Workgroup. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 783, 23-35.	0.9	139
46	IWGT report on quantitative approaches to genotoxicity risk assessment II. Use of point-of-departure (PoD) metrics in defining acceptable exposure limits and assessing human risk. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 783, 66-78.	0.9	109
47	IWGT report on quantitative approaches to genotoxicity risk assessment I. Methods and metrics for defining exposureâ€“response relationships and points of departure (PoDs). <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2015, 783, 55-65.	0.9	101
48	Human urinary mutagenicity after wood smoke exposure during traditional temazcal use. <i>Mutagenesis</i> , 2014, 29, 367-377.	1.0	15
49	Mutagenicity of smoke condensates from Canadian cigarettes with different design features. <i>Mutagenesis</i> , 2014, 29, 7-15.	1.0	6
50	Derivation of point of departure (PoD) estimates in genetic toxicology studies and their potential applications in risk assessment. <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 609-623.	0.9	128
51	Cancer risk to First Nationsâ€™ people from exposure to polycyclic aromatic hydrocarbons near in-situ bitumen extraction in Cold Lake, Alberta. <i>Environmental Health</i> , 2014, 13, 7.	1.7	13
52	Soil ingestion rate determination in a rural population of Alberta, Canada practicing a wilderness lifestyle. <i>Science of the Total Environment</i> , 2014, 470-471, 138-146.	3.9	26
53	A global toxicogenomic analysis investigating the mechanistic differences between tobacco and marijuana smoke condensates in vitro. <i>Toxicology</i> , 2013, 308, 60-73.	2.0	32
54	Gene expression profiling to identify potentially relevant disease outcomes and support human health risk assessment for carbon black nanoparticle exposure. <i>Toxicology</i> , 2013, 303, 83-93.	2.0	50

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55	Toxicogenomic outcomes predictive of forestomach carcinogenesis following exposure to benzo(a)pyrene: Relevance to human cancer risk. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 269-280.	1.3	33
56	Hepatic genotoxicity and toxicogenomic responses in Muta ^{lacZ} Mouse males treated with dibenz[a,h]anthracene. <i>Mutagenesis</i> , 2013, 28, 543-554.	1.0	19
57	The development of adverse outcome pathways for mutagenic effects for the organization for economic coöperation and development. <i>Environmental and Molecular Mutagenesis</i> , 2013, 54, 79-81.	0.9	17
58	A pilot study to assess the feasibility of using naturally-occurring radionuclides as mass balance tracers to estimate soil ingestion. <i>Ecotoxicology and Environmental Safety</i> , 2012, 83, 34-40.	2.9	4
59	Subchronic Oral Exposure to Benzo(a)pyrene Leads to Distinct Transcriptomic Changes in the Lungs That Are Related to Carcinogenesis. <i>Toxicological Sciences</i> , 2012, 129, 213-224.	1.4	44
60	Genetic toxicology and toxicogenomic analysis of three cigarette smoke condensates in vitro reveals few differences among full-flavor, blonde, and light products. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 281-296.	0.9	22
61	Proliferating primary hepatocytes from the pUR288 <i>lacZ</i> plasmid mouse are valuable tools for genotoxicity assessment in vitro. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 376-383.	0.9	7
62	Hepatic mRNA, microRNA, and miR-34a target responses in mice after 28 days exposure to doses of benzo(a)pyrene that elicit DNA damage and mutation. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 10-21.	0.9	47
63	Poly(ethylene imine) Nanocarriers Do Not Induce Mutations nor Oxidative DNA Damage in Vitro in MutaMouse FE1 Cells. <i>Molecular Pharmaceutics</i> , 2011, 8, 976-981.	2.3	21
64	A method to estimate sediment ingestion by fish. <i>Aquatic Toxicology</i> , 2011, 103, 121-127.	1.9	5
65	Mutagenicity of Carbon Nanomaterials. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 29-29.	0.5	5
66	New and emerging technologies for genetic toxicity testing. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 205-223.	0.9	62
67	Physical-chemical and microbiological characterization, and mutagenic activity of airborne PM sampled in a biomass-fueled electrical production facility. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 319-330.	0.9	10
68	Mutation spectrum in FE1-MUTA TM Mouse lung epithelial cells exposed to nanoparticulate carbon black. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 331-337.	0.9	66
69	Simultaneous measurement of benzo[a]pyrene-induced Pig-a and lacZ mutations, micronuclei and dna adducts in muta TM mouse. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 756-765.	0.9	52
70	Induction of <i>lacZ</i> mutations in Muta ^{lacZ} Mouse primary hepatocytes. <i>Environmental and Molecular Mutagenesis</i> , 2010, 51, 330-337.	0.9	13
71	Mass balance soil ingestion estimating methods and their application to inhabitants of rural and wilderness areas: A critical review. <i>Science of the Total Environment</i> , 2010, 408, 2181-2188.	3.9	23
72	Plasma vitellogenin in male teleost fish from 43 rivers worldwide is correlated with upstream human population size. <i>Environmental Pollution</i> , 2010, 158, 3279-3284.	3.7	35

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73	Mutagenicity of an aged gasworks soil during bioslurry treatment. <i>Environmental and Molecular Mutagenesis</i> , 2009, 50, 404-412.	0.9	19
74	The Genotoxicity of Mainstream and Sidestream Marijuana and Tobacco Smoke Condensates. <i>Chemical Research in Toxicology</i> , 2009, 22, 1406-1414.	1.7	35
75	Global transcriptional characterization of a mouse pulmonary epithelial cell line for use in genetic toxicology. <i>Toxicology in Vitro</i> , 2009, 23, 816-833.	1.1	24
76	Genotoxicity, cytotoxicity, and reactive oxygen species induced by single-walled carbon nanotubes and C ₆₀ fullerenes in the FE1 mouse lung epithelial cells. <i>Environmental and Molecular Mutagenesis</i> , 2008, 49, 476-487.	0.9	343
77	Tissue-specific metabolic activation and mutagenicity of 3-nitrobenzanthrone in mouse. <i>Environmental and Molecular Mutagenesis</i> , 2008, 49, 602-613.	0.9	15
78	Mutagenic hazards of complex polycyclic aromatic hydrocarbon mixtures in contaminated soil. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 978-990.	2.2	52
79	A Comparison of Mainstream and Sidestream Marijuana and Tobacco Cigarette Smoke Produced under Two Machine Smoking Conditions. <i>Chemical Research in Toxicology</i> , 2008, 21, 494-502.	1.7	378
80	Mutagenic and Carcinogenic Hazards of Settled House Dust II: Salmonella Mutagenicity. <i>Environmental Science & Technology</i> , 2008, 42, 1754-1760.	4.6	26
81	Mutagenic and Carcinogenic Hazards of Settled House Dust I: Polycyclic Aromatic Hydrocarbon Content and Excess Lifetime Cancer Risk from Preschool Exposure. <i>Environmental Science & Technology</i> , 2008, 42, 1747-1753.	4.6	135
82	Genotoxicity of 3-nitrobenzanthrone and 3-aminobenzanthrone in mouse and lung epithelial cells derived from mouse. <i>Mutagenesis</i> , 2008, 23, 483-490.	1.0	36
83	Sources, Fate, and Toxic Hazards of Oxygenated Polycyclic Aromatic Hydrocarbons (PAHs) at PAH-contaminated Sites. <i>Ambio</i> , 2007, 36, 475-485.	2.8	378
84	Genotoxicity, inflammation and physico-chemical properties of fine particle samples from an incineration energy plant and urban air. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007, 633, 95-111.	0.9	42
85	The sources and potential hazards of mutagens in complex environmental matrices—Part II. <i>Mutation Research - Reviews in Mutation Research</i> , 2007, 636, 2-3.	2.4	3
86	Increased mutant frequency by carbon black, but not quartz, in the lacZ and lacII transgenes of mouse lung epithelial cells. <i>Environmental and Molecular Mutagenesis</i> , 2007, 48, 451-461.	0.9	125
87	Assessment of 3-nitrobenzanthrone reductase activity in mammalian tissues by normal-phase HPLC with fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 824, 229-237.	1.2	8
88	DNA Strand Length and EROD Activity in Relation to Two Screening Measures of Genotoxic Exposure in Great Lakes Herring Gulls. <i>Ecotoxicology</i> , 2005, 14, 527-544.	1.1	6
89	The mutagenic hazards of settled house dust: a review. <i>Mutation Research - Reviews in Mutation Research</i> , 2004, 567, 401-425.	2.4	160
90	The mutagenic hazards of aquatic sediments: a review. <i>Mutation Research - Reviews in Mutation Research</i> , 2004, 567, 151-225.	2.4	208

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91	Mutagens in contaminated soil: a review. <i>Mutation Research - Reviews in Mutation Research</i> , 2004, 567, 227-345.	2.4	219
92	Development and characterization of a stable epithelial cell line from Muta?Mouse lung. <i>Environmental and Molecular Mutagenesis</i> , 2003, 42, 166-184.	0.9	56
93	Mutagenic characteristics of river waters flowing through large metropolitan areas in North America. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 534, 101-112.	0.9	46
94	The genotoxicity of priority polycyclic aromatic hydrocarbons in complex mixtures. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 515, 85-98.	0.9	170
95	MUTATION LOAD IN NATURAL POPULATIONS OF THE SENSITIVE FERNONOCLEA SENSIBILISEXPOSED TO SOIL MUTAGENS. , 2002, 12, 124-137.		8
96	Correspondence between whole effluent toxicity and the presence of priority substances in complex industrial effluents. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 63-71.	2.2	49
97	Heritable reproductive effects of benzo[a]pyrene on the fathead minnow (<i>Pimephales) Tj ETQq1 1 0.784314 rgBT./Overlock 10 Tf 50	2.2	64
98	HERITABLE REPRODUCTIVE EFFECTS OF BENZO[a]PYRENE ON THE FATHEAD MINNOW (PIMEPHALES) Tj ETQq0 0 0 rgBT./Overlock 10 T	2.2	7
99	Genotoxic substances in the St. Lawrence system I: Industrial genotoxins sorbed to particulate matter in the St. Lawrence, St. Maurice, and Saguenay rivers, Canada. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 286-303.	2.2	14
100	Genotoxic substances in the St. Lawrence system II: Extracts of fish and macroinvertebrates from the St. Lawrence and Saguenay rivers, Canada. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 304-316.	2.2	10
101	The genotoxic hazards of domestic wastes in surface waters1Summary of material presented at the workshop Sources, Effects and Potential Hazards of Genotoxic Complex Mixtures in the Environment held at the annual meeting of the Environmental Mutagen Society, April 20, 1997, Minneapolis, MN.1. <i>Mutation Research - Reviews in Mutation Research</i> , 1998, 410, 223-236.	2.4	163
102	GENOTOXIC SUBSTANCES IN THE ST. LAWRENCE SYSTEM. I: INDUSTRIAL GENOTOXINS SORBED TO PARTICULATE MATTER IN THE ST. LAWRENCE, ST. MAURICE, AND SAGUENAY RIVERS, CANADA. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 286.	2.2	30
103	GENOTOXIC SUBSTANCES IN THE ST. LAWRENCE SYSTEM. II: EXTRACTS OF FISH AND MACROINVERTEBRATES FROM THE ST. LAWRENCE AND SAGUENAY RIVERS, CANADA. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 304.	2.2	13
104	Detection of genotoxic substances in bivalve molluscs from the Saguenay Fjord (Canada), using the SOS chromotest. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1997, 392, 277-300.	0.9	33
105	A semi-automated, microplate version of the SOS Chromotest for the analysis of complex environmental extracts. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1996, 360, 51-74.	0.4	30
106	Comparing the presence, potency, and potential hazard of genotoxins extracted from a broad range of industrial effluents. , 1996, 27, 116-139.		53
107	Sorption of organic genotoxins to particulate matter in industrial effluents. , 1996, 27, 140-151.		30
108	SOS chromotest results in a broader context: Empirical relationships between genotoxic potency, mutagenic potency, and carcinogenic potency. , 1996, 27, 270-305.		30

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109	Genotoxicity of snow in the Montreal metropolitan area. <i>Water, Air, and Soil Pollution</i> , 1995, 83, 315-334.	1.1	6
110	The effect of temperature and algal biomass on bacterial production and specific growth rate in freshwater and marine habitats. <i>Microbial Ecology</i> , 1991, 21, 99-118.	1.4	468
111	Quantitative Estimates of Soil Ingestion in Normal Children between the Ages of 2 and 7 Years: Population-based Estimates Using Aluminum, Silicon, and Titanium as Soil Tracer Elements. <i>Archives of Environmental Health</i> , 1990, 45, 112-122.	0.4	152