

Kenneth M Unice

List of Publications by Year in descending order

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63
papers

1,874
citations

318942

23
h-index

312153

41
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65
all docs

65
docs citations

65
times ranked

2344
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrolysis-Gas Chromatography-Mass Spectrometry (Py-GC-MS) Quantification of Tire and Road Wear Particles (TRWP) in Environmental Matrices: Assessing the Importance of Microstructure in Instrument Calibration Protocols. <i>Analytical Letters</i> , 2022, 55, 1004-1016.	1.0	19
2	Critical evaluation of ToxCast-Reactome predicted toxicity pathway correspondence of the human liver HepG2 activity profile with observed PFOA and PFOS hazards. <i>Computational Toxicology</i> , 2022, 21, 100212.	1.8	2
3	Assessment of ethanol exposure from hand sanitizer use and potential for developmental toxicity in nursing infants. <i>Journal of Applied Toxicology</i> , 2022, , .	1.4	5
4	Evaluation of three pyrolyzer technologies for quantitative pyrolysis-gas chromatography-mass spectrometry (Py-GC-MS) of tire tread polymer in an artificial sediment matrix. <i>Environmental Advances</i> , 2022, 8, 100213.	2.2	11
5	Chemical mapping of tire and road wear particles for single particle analysis. <i>Science of the Total Environment</i> , 2021, 757, 144085.	3.9	73
6	A comprehensive weight of evidence assessment of published acetaminophen genotoxicity data: Implications for its carcinogenic hazard potential. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 122, 104892.	1.3	6
7	Carcinogenic hazard assessment of cobalt-containing alloys in medical devices: Review of in vivo studies. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 122, 104910.	1.3	15
8	A hazard evaluation of the reproductive/developmental toxicity of cobalt in medical devices. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 123, 104932.	1.3	30
9	An integrated benefit-risk assessment of cobalt-containing alloys used in medical devices: Implications for regulatory requirements in the European Union. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 125, 105004.	1.3	6
10	Characterization of Individual Tire and Road Wear Particles in Environmental Road Dust, Tunnel Dust, and Sediment. <i>Environmental Science and Technology Letters</i> , 2021, 8, 1057-1064.	3.9	39
11	A critical review of the acetaminophen preclinical carcinogenicity and tumor promotion data and their implications for its carcinogenic hazard potential. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 118, 104801.	1.3	5
12	Assessing and managing the risks of COVID-19 in the workplace: Applying industrial hygiene (IH)/occupational and environmental health and safety (OEHS) frameworks. <i>Toxicology and Industrial Health</i> , 2020, 36, 607-618.	0.6	26
13	Cobalt-containing dust exposures: Prediction of whole blood and tissue concentrations using a biokinetic model. <i>Science of the Total Environment</i> , 2020, 723, 137968.	3.9	5
14	Characterizing export of land-based microplastics to the estuary - Part I: Application of integrated geospatial microplastic transport models to assess tire and road wear particles in the Seine watershed. <i>Science of the Total Environment</i> , 2019, 646, 1639-1649.	3.9	166
15	Evaluation of Personal Exposure to Surgical Smoke Generated from Electrocautery Instruments: A Pilot Study. <i>Annals of Work Exposures and Health</i> , 2019, 63, 990-1003.	0.6	10
16	Potential Airborne Asbestos Exposure and Risk Associated with the Historical Use of Cosmetic Talcum Powder Products. <i>Risk Analysis</i> , 2019, 39, 2272-2294.	1.5	24
17	Response to Letter to the Editor. <i>Risk Analysis</i> , 2019, 39, 2604-2607.	1.5	0
18	Characterizing export of land-based microplastics to the estuary - Part II: Sensitivity analysis of an integrated geospatial microplastic transport modeling assessment of tire and road wear particles. <i>Science of the Total Environment</i> , 2019, 646, 1650-1659.	3.9	48

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19	Hourly and daily intake patterns among U.S. caffeinated beverage consumers based on the National Health and Nutrition Examination Survey (NHANES, 2013-2016). <i>Food and Chemical Toxicology</i> , 2019, 125, 271-278.	1.8	18
20	Characterization of airborne BTEX exposures during use of lawnmowers and trimmers. <i>Archives of Environmental and Occupational Health</i> , 2019, 74, 197-205.	0.7	0
21	Methods for Sterilizing Clinically Relevant Wear Particles Isolated from Metal-on-Metal Hip Implants. <i>Scientific Reports</i> , 2018, 8, 2384.	1.6	2
22	Characterization of wear debris from metal-on-metal hip implants during normal wear versus edge-loading conditions. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 986-996.	1.6	24
23	Characteristics of Cobalt-Related Cardiomyopathy in Metal Hip Implant Patients: An Evaluation of 15 Published Reports. <i>Cardiovascular Toxicology</i> , 2018, 18, 206-220.	1.1	10
24	Understanding outcomes and toxicological aspects of second generation metal-on-metal hip implants: a state-of-the-art review. <i>Critical Reviews in Toxicology</i> , 2018, 48, 839-887.	1.9	31
25	Review of Tire Wear Emissions. , 2018, , 147-160.		29
26	Combined analysis of job and task benzene air exposures among workers at four US refinery operations. <i>Toxicology and Industrial Health</i> , 2017, 33, 193-210.	0.6	6
27	Data on the histological and immune cell response in the popliteal lymph node in mice following exposure to metal particles and ions. <i>Data in Brief</i> , 2016, 9, 388-397.	0.5	1
28	A preliminary evaluation of immune stimulation following exposure to metal particles and ions using the mouse popliteal lymph node assay. <i>Toxicology and Applied Pharmacology</i> , 2016, 308, 77-90.	1.3	5
29	An assessment of formaldehyde emissions from laminate flooring manufactured in China. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 81, 20-32.	1.3	14
30	Analysis of Total Arsenic Content in California Wines and Comparison to Various Health Risk Criteria. <i>American Journal of Enology and Viticulture</i> , 2016, 67, 179-187.	0.9	2
31	Measured removal rates of chrysotile asbestos fibers from air and comparison with theoretical estimates based on gravitational settling and dilution ventilation. <i>Inhalation Toxicology</i> , 2015, 27, 787-801.	0.8	10
32	Review of cobalt toxicokinetics following oral dosing: Implications for health risk assessments and metal-on-metal hip implant patients. <i>Critical Reviews in Toxicology</i> , 2015, 45, 367-387.	1.9	41
33	Factors that influence sunscreen application thickness and potential preservative exposure. <i>Photodermatology Photoimmunology and Photomedicine</i> , 2015, 31, 212-223.	0.7	10
34	Experimental methodology for assessing the environmental fate of organic chemicals in polymer matrices using column leaching studies and OECD 308 water/sediment systems: Application to tire and road wear particles. <i>Science of the Total Environment</i> , 2015, 533, 476-487.	3.9	64
35	Effects and blood concentrations of cobalt after ingestion of 1 mg/d by human volunteers for 90 d. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 632-646.	2.2	45
36	Refined biokinetic model for humans exposed to cobalt dietary supplements and other sources of systemic cobalt exposure. <i>Chemico-Biological Interactions</i> , 2014, 216, 53-74.	1.7	27

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37	Cobalt whole blood concentrations in healthy adult male volunteers following two-weeks of ingesting a cobalt supplement. <i>Food and Chemical Toxicology</i> , 2013, 53, 432-439.	1.8	41
38	A review of the health hazards posed by cobalt. <i>Critical Reviews in Toxicology</i> , 2013, 43, 316-362.	1.9	180
39	Estimation of the safe use concentrations of the preservative 1,2-benzisothiazolin-3-one (BIT) in consumer cleaning products and sunscreens. <i>Food and Chemical Toxicology</i> , 2013, 56, 60-66.	1.8	35
40	31-Day Study of Cobalt(II) Chloride Ingestion in Humans: Pharmacokinetics and Clinical Effects. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013, 76, 1210-1224.	1.1	32
41	Airborne benzene exposures from cleaning metal surfaces with small volumes of petroleum solvents. <i>International Journal of Hygiene and Environmental Health</i> , 2013, 216, 324-332.	2.1	5
42	Comparison of Tire and Road Wear Particle Concentrations in Sediment for Watersheds in France, Japan, and the United States by Quantitative Pyrolysis GC/MS Analysis. <i>Environmental Science & Technology</i> , 2013, 47, 130710100101002.	4.6	42
43	Cobalt speciation assay for human serum, Part II. Method validation in a study of human volunteers ingesting cobalt(II) chloride dietary supplement for 90 days. <i>Toxicological and Environmental Chemistry</i> , 2013, 95, 709-718.	0.6	14
44	Triclosan occurrence in freshwater systems in the United States (1999-2012): A meta-analysis. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1479-1487.	2.2	55
45	Field Study of Air Exchange Rates in Northern Highlands of Peru. <i>Environmental Forensics</i> , 2013, 14, 215-229.	1.3	8
46	Inorganic cobalt supplementation: Prediction of cobalt levels in whole blood and urine using a biokinetic model. <i>Food and Chemical Toxicology</i> , 2012, 50, 2456-2461.	1.8	57
47	Use of a Deuterated Internal Standard with Pyrolysis-GC/MS Dimeric Marker Analysis to Quantify Tire Tread Particles in the Environment. <i>International Journal of Environmental Research and Public Health</i> , 2012, 9, 4033-4055.	1.2	96
48	Airborne concentrations of metals and total dust during solid catalyst loading and unloading operations at a petroleum refinery. <i>International Journal of Hygiene and Environmental Health</i> , 2012, 215, 514-521.	2.1	9
49	Analysis and Modeling of Airborne BTEX Concentrations from the Deepwater Horizon Oil Spill. <i>Environmental Science & Technology</i> , 2011, 45, 7372-7379.	4.6	19
50	Letters to the Editor. <i>Journal of Occupational and Environmental Hygiene</i> , 2011, 8, D139-D148.	0.4	1
51	Airborne concentrations of benzene for dock workers at the ExxonMobil refinery and chemical plant, Baton Rouge, Louisiana, USA (1977-2005). <i>Scandinavian Journal of Work, Environment and Health</i> , 2011, 37, 147-158.	1.7	7
52	Occupational exposure to benzene at the ExxonMobil refinery in Beaumont, TX (1976-2007). <i>International Journal of Hygiene and Environmental Health</i> , 2010, 213, 285-301.	2.1	15
53	Benzene exposure in refinery workers: ExxonMobil Joliet, Illinois, USA (1977-2006). <i>Toxicology and Industrial Health</i> , 2010, 26, 671-690.	0.6	10
54	Addendum to: Evaluation of PCDD/F and dioxin-like PCB serum concentration data from the 2001-2002 National Health and Nutrition Examination Survey of the United States population. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2008, 18, 524-532.	1.8	8

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55	Risk of Gastrointestinal Disease Associated with Exposure to Pathogens in the Water of the Lower Passaic River. <i>Applied and Environmental Microbiology</i> , 2008, 74, 994-1003.	1.4	101
56	Risk of Gastrointestinal Disease Associated with Exposure to Pathogens in the Sediments of the Lower Passaic River. <i>Applied and Environmental Microbiology</i> , 2008, 74, 1004-1018.	1.4	33
57	Airborne Concentrations of Asbestos Onboard Maritime Shipping Vessels (1978-1992). <i>Annals of Occupational Hygiene</i> , 2008, 52, 267-79.	1.9	9
58	Statistical Evaluation of Metal Concentrations as a Method for Identifying World Trade Center Dust in Buildings. <i>Environmental Forensics</i> , 2007, 8, 301-311.	1.3	2
59	Evaluation of PCDD/F and dioxin-like PCB serum concentration data from the 2001-2002 National Health and Nutrition Examination Survey of the United States population. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2007, 17, 358-371.	1.8	49
60	A Methodology for Estimating Human Exposure to Perfluorooctanoic Acid (PFOA): A Retrospective Exposure Assessment of a Community (1951-2003). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2006, 70, 28-57.	1.1	76
61	Insignificant Role of Hydrodynamic Dispersion on Bacterial Transport. <i>Journal of Environmental Engineering, ASCE</i> , 2000, 126, 491-500.	0.7	29
62	Blocking and ripening of colloids in porous media and their implications for bacterial transport. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 160, 291-307.	2.3	104
63	Comment on "A Method for Calculating Bacterial Deposition Coefficients Using the Fraction of Bacteria Recovered from Laboratory Columns"; <i>Environmental Science & Technology</i> , 1999, 33, 1316-1317.	4.6	8