

James D Englehardt

List of Publications by Year in descending order

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65
papers

2,222
citations

377584

21
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252626

46
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69
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69
docs citations

69
times ranked

2909
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian submerged oil tracking with SOSim: Inference from field reconnaissance data and fate-transport model output. <i>Marine Pollution Bulletin</i> , 2021, 165, 112078.	2.3	2
2	Bayesian sunken oil tracking with SOSim v2: Inference from field and bathymetric data. <i>Marine Pollution Bulletin</i> , 2021, 165, 112092.	2.3	3
3	Ten years of modeling the Deepwater Horizon oil spill. <i>Environmental Modelling and Software</i> , 2021, 142, 105070.	1.9	17
4	Application of the SOSim v2 Model to Spills of Sunken Oil in Rivers. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 729.	1.2	5
5	Formation, Detection, and Modeling of Submerged Oil: A Review. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 642.	1.2	8
6	A review on the sinking mechanisms for oil and successful response technologies. <i>Marine Pollution Bulletin</i> , 2020, 160, 111626.	2.3	16
7	Design of Real-Time Sampling Strategies for Submerged Oil Based on Probabilistic Model Predictions. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 984.	1.2	3
8	Simultaneous nitrogen and phosphorus recovery from municipal wastewater by electrochemical pH modulation. <i>Separation and Purification Technology</i> , 2020, 250, 117166.	3.9	32
9	Electrohydromodulation for phosphate recovery from wastewater. <i>Separation and Purification Technology</i> , 2020, 247, 116909.	3.9	22
10	Mineralization of greywater organics by the ozone-UV advanced oxidation process: kinetic modeling and efficiency. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1956-1970.	1.2	8
11	Ozone-UV net-zero water wash station for remote emergency response healthcare units: design, operation, and results. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1971-1984.	1.2	6
12	Technologies for Recovering Nutrients from Wastewater: A Critical Review. <i>Environmental Engineering Science</i> , 2019, 36, 511-529.	0.8	90
13	A general dose-response relationship for chronic chemical and other health stressors and mixtures based on an emergent illness severity model. <i>PLoS ONE</i> , 2019, 14, e0211780.	1.1	3
14	Applicability of energy-positive net-zero water management in Alaska: technology status and case study. <i>Environmental Science and Pollution Research</i> , 2018, 25, 33025-33037.	2.7	6
15	Control of nitrification/denitrification in an onsite two-chamber intermittently aerated membrane bioreactor with alkalinity and carbon addition: Model and experiment. <i>Water Research</i> , 2017, 115, 94-110.	5.3	13
16	Advanced oxidation and disinfection processes for onsite net-zero greywater reuse: A review. <i>Water Research</i> , 2017, 125, 384-399.	5.3	87
17	LFDA model for the assessment of water quality through Microtox® using excitation-emission matrices. <i>Intelligent Data Analysis</i> , 2017, 21, 181-203.	0.4	1
18	Modeling the Economic Feasibility of Large-Scale Net-Zero Water Management: A Case Study. <i>Water Environment Research</i> , 2016, 88, 811-823.	1.3	7

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19	Net-zero water management: achieving energy-positive municipal water supply. <i>Environmental Science: Water Research and Technology</i> , 2016, 2, 250-260.	1.2	21
20	Mineralizing urban net-zero water treatment: Field experience for energy-positive water management. <i>Water Research</i> , 2016, 106, 352-363.	5.3	18
21	Mineralizing urban net-zero water treatment: Phase II field results and design recommendations. <i>Water Research</i> , 2016, 105, 496-506.	5.3	16
22	Distributions of Autocorrelated First-Order Kinetic Outcomes: Illness Severity. <i>PLoS ONE</i> , 2015, 10, e0129042.	1.1	7
23	Peroxone mineralization of chemical oxygen demand for direct potable water reuse: Kinetics and process control. <i>Water Research</i> , 2015, 73, 362-372.	5.3	28
24	Principles for scaling of distributed direct potable water reuse systems: A modeling study. <i>Water Research</i> , 2015, 75, 146-163.	5.3	42
25	A predictive Bayesian data-derived multi-modal Gaussian model of subsurface oil mass. <i>Environmental Modelling and Software</i> , 2015, 69, 1-13.	1.9	9
26	Review of cost versus scale: water and wastewater treatment and reuse processes. <i>Water Science and Technology</i> , 2014, 69, 223-234.	1.2	114
27	Urban net-zero water treatment and mineralization: Experiments, modeling and design. <i>Water Research</i> , 2013, 47, 4680-4691.	5.3	34
28	Ambient iron-mediated aeration (IMA) for water reuse. <i>Water Research</i> , 2013, 47, 850-858.	5.3	13
29	Methods for assessing long-term mean pathogen count in drinking water and risk management implications. <i>Journal of Water and Health</i> , 2012, 10, 197-208.	1.1	7
30	A New Method for Removal of Hydrogen Peroxide Interference in the Analysis of Chemical Oxygen Demand. <i>Environmental Science & Technology</i> , 2012, 46, 2291-2298.	4.6	92
31	A Gradient Markov Chain Monte Carlo Algorithm for Computing Multivariate Maximum Likelihood Estimates and Posterior Distributions: Mixture Dose-Response Assessment. <i>Risk Analysis</i> , 2012, 32, 345-359.	1.5	3
32	The Discrete Weibull Distribution: An Alternative for Correlated Counts with Confirmation for Microbial Counts in Water. <i>Risk Analysis</i> , 2011, 31, 370-381.	1.5	33
33	Relative risk assessment of cruise ships biosolids disposal alternatives. <i>Marine Pollution Bulletin</i> , 2011, 62, 2157-2169.	2.3	11
34	A Predictive Bayesian Dose-Response Assessment for Evaluating the Toxicity of Carbon Nanotubes Relative to Crocidolite Using a Proposed Emergent Model. <i>Human and Ecological Risk Assessment (HERA)</i> , 2009, 15, 1168-1186.	1.7	3
35	A New Theoretical Discrete Growth Distribution with Verification for Microbial Counts in Water. <i>Risk Analysis</i> , 2009, 29, 841-856.	1.5	17
36	Kinetics and oxidative mechanism for H ₂ O ₂ -enhanced iron-mediated aeration (IMA) treatment of recalcitrant organic compounds in mature landfill leachate. <i>Journal of Hazardous Materials</i> , 2009, 169, 370-375.	6.5	14

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37	Hydrogen peroxide-enhanced iron-mediated aeration for the treatment of mature landfill leachate. <i>Journal of Hazardous Materials</i> , 2008, 153, 293-299.	6.5	27
38	Oxidation of Aqueous EDTA and Associated Organics and Coprecipitation of Inorganics by Ambient Iron-Mediated Aeration. <i>Environmental Science & Technology</i> , 2007, 41, 270-276.	4.6	101
39	Electrochemical oxidation for landfill leachate treatment. <i>Waste Management</i> , 2007, 27, 380-388.	3.7	296
40	Treatment of landfill leachate by the Fenton process. <i>Water Research</i> , 2006, 40, 3683-3694.	5.3	541
41	Predictive Bayesian Microbial Dose-Response Assessment Based on Suggested Self-Organization in Primary Illness Response: <i>Cryptosporidium parvum</i> . <i>Risk Analysis</i> , 2006, 26, 543-554.	1.5	18
42	Comparative Assessment of Municipal Wastewater Disposal Methods in Southeast Florida. <i>Water Environment Research</i> , 2005, 77, 480-490.	1.3	19
43	Predictive Population Dose-Response Assessment for <i>Cryptosporidium parvum</i> : Infection Endpoint. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2004, 67, 651-666.	1.1	13
44	Kinetic Studies of the Electrochemical Treatment of Nitrate and Nitrite Ions on Iridium-Modified Carbon Fiber Electrodes. <i>Chemical Engineering and Technology</i> , 2004, 27, 56-64.	0.9	49
45	Predictive Bayesian Dose-Response Assessment for Appraising Absolute Health Risk from Available Information. <i>Human and Ecological Risk Assessment (HERA)</i> , 2004, 10, 69-78.	1.7	18
46	Analytical Predictive Bayesian Assessment of Occupational Injury Risk: Municipal Solid Waste Collectors. <i>Risk Analysis</i> , 2003, 23, 917-927.	1.5	18
47	COMPARATIVE ASSESSMENT OF MICROBIAL AND NDMA RISKS AMONG WASTEWATER DISPOSAL METHODS IN SOUTHEAST FLORIDA. <i>Proceedings of the Water Environment Federation</i> , 2002, 2002, 10-38.	0.0	4
48	Scale Invariance of Incident Size Distributions in Response to Sizes of Their Causes. <i>Risk Analysis</i> , 2002, 22, 369-381.	1.5	17
49	Application of a predictive Bayesian model to environmental accounting. <i>Journal of Hazardous Materials</i> , 2001, 82, 99-112.	6.5	4
50	Bayesian Statistics in Environmental Engineering Planning. <i>Journal of Management in Engineering - ASCE</i> , 2000, 16, 21-26.	2.6	2
51	Cyclic Voltammetric Studies of Nitrate and Nitrite Ion Reduction at the Surface of Iridium-Modified Carbon Fiber Electrode. <i>Journal of the Electrochemical Society</i> , 2000, 147, 4224.	1.3	42
52	Electroreduction of Nitrate and Nitrite Ion on a Platinum-Group-Metal Catalyst-Modified Carbon Fiber Electrode Chronoamperometry and Mechanism Studies. <i>Journal of the Electrochemical Society</i> , 2000, 147, 4573.	1.3	69
53	Occupational health and safety amongst municipal solid waste workers in Florida. <i>Waste Management and Research</i> , 1999, 17, 369-377.	2.2	41
54	Occupational health and safety amongst municipal solid waste workers in Florida. <i>Waste Management and Research</i> , 1999, 17, 369-377.	2.2	16

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55	Ecological and Economic Risk Analysis of Everglades: Phase I Restoration Alternatives. Risk Analysis, 1998, 18, 755-771.	1.5	4
56	Bayesian Benefit-Risk Analysis for Sustainable Process Design. Journal of Environmental Engineering, ASCE, 1997, 123, 71-79.	0.7	5
57	Closure to "Predicting Incident Size from Limited Information" by James D. Englehardt. Journal of Environmental Engineering, ASCE, 1997, 123, 99-101.	0.7	1
58	Development of a National Marine Oil Transportation System Model. Spill Science and Technology Bulletin, 1997, 4, 113-121.	0.4	13
59	A Bayesian Benefit-Risk Model Applied to the South Florida Building Code. Risk Analysis, 1996, 16, 81-91.	1.5	24
60	Pozzolan filtration/solidification of radionuclides in nuclear reactor cooling water. Waste Management, 1995, 15, 585-592.	3.7	13
61	Predicting Incident Size from Limited Information. Journal of Environmental Engineering, ASCE, 1995, 121, 455-464.	0.7	26
62	A Bayesian Benefit-Risk Model Applied to the South Florida Building Code. Risk Analysis, 1995, 16, 81-91.	1.5	0
63	Identifying Promising Pollution Prevention Technologies. Journal of Environmental Engineering, ASCE, 1994, 120, 513-526.	0.7	3
64	Pollution prevention technologies: A review and classification. Journal of Hazardous Materials, 1993, 35, 119-150.	6.5	15
65	Information Theory in Risk Analysis. Journal of Environmental Engineering, ASCE, 1992, 118, 890-904.	0.7	11