

Marc A Mills

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,188
citations

304743

22
h-index

265206

42
g-index

45
all docs

45
docs citations

45
times ranked

2825
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissolved effluent organic matter: Characteristics and potential implications in wastewater treatment and reuse applications. <i>Water Research</i> , 2015, 77, 213-248.	11.3	388
2	Expanded Target-Chemical Analysis Reveals Extensive Mixed-Organic-Contaminant Exposure in U.S. Streams. <i>Environmental Science & Technology</i> , 2017, 51, 4792-4802.	10.0	245
3	Perfluoroalkyl Acid Distribution in Various Plant Compartments of Edible Crops Grown in Biosolids-Amended soils. <i>Environmental Science & Technology</i> , 2014, 48, 7858-7865.	10.0	218
4	Uptake of Perfluoroalkyl Acids into Edible Crops via Land Applied Biosolids: Field and Greenhouse Studies. <i>Environmental Science & Technology</i> , 2013, 47, 14062-14069.	10.0	213
5	Spider-Mediated Flux of PCBs from Contaminated Sediments to Terrestrial Ecosystems and Potential Risks to Arachnivoracious Birds. <i>Environmental Science & Technology</i> , 2010, 44, 2849-2856.	10.0	100
6	Solubilization of Naphthalene and Methyl-Substituted Naphthalenes from Crude Oil Using Biosurfactants. <i>Environmental Science & Technology</i> , 1997, 31, 556-561.	10.0	89
7	Trophic Magnification of PCBs and Its Relationship to the Octanol ^o Water Partition Coefficient. <i>Environmental Science & Technology</i> , 2011, 45, 3917-3924.	10.0	81
8	The distance that contaminated aquatic subsidies extend into lake riparian zones. , 2011, 21, 983-990.		71
9	Decomposition of Iodinated Pharmaceuticals by UV-254 nm-assisted Advanced Oxidation Processes. <i>Journal of Hazardous Materials</i> , 2017, 323, 489-499.	12.4	60
10	Microbial degradation of crude oil in marine environments tested in a flask experiment. <i>Water Research</i> , 1997, 31, 2840-2848.	11.3	54
11	Intrinsic bioremediation of a petroleum-impacted wetland. <i>Marine Pollution Bulletin</i> , 2003, 46, 887-899.	5.0	52
12	Environmental Sources, Chemistry, Fate, and Transport of Per ^o and Polyfluoroalkyl Substances: State of the Science, Key Knowledge Gaps, and Recommendations Presented at the August 2019 SETAC Focus Topic Meeting. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 3234-3260.	4.3	49
13	Method for quantifying the fate of petroleum in the environment. <i>Chemosphere</i> , 1999, 39, 2563-2582.	8.2	46
14	Identifying and Managing Aqueous Film ^o Forming Foam ^o Derived Per ^o and Polyfluoroalkyl Substances in the Environment. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 24-36.	4.3	46
15	An ultra-sensitive method for the analysis of perfluorinated alkyl acids in drinking water using a column switching high-performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1494, 46-54.	3.7	38
16	The developmental effects of a municipal wastewater effluent on the northern leopard frog, <i>Rana pipiens</i> . <i>Aquatic Toxicology</i> , 2009, 94, 145-152.	4.0	37
17	Riparian spiders as sentinels of polychlorinated biphenyl contamination across heterogeneous aquatic ecosystems. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1278-1286.	4.3	29
18	Assessing the impact of wastewater treatment plant effluent on downstream drinking water-source quality using a zebrafish (<i>Danio Rerio</i>) liver cell-based metabolomics approach. <i>Water Research</i> , 2018, 145, 198-209.	11.3	29

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19	Evaluation of bioremediation strategies of a controlled oil release in a wetland. <i>Marine Pollution Bulletin</i> , 2004, 49, 425-435.	5.0	28
20	Biosurfactant Solubilization of PAHS. <i>Environmental Engineering Science</i> , 1999, 16, 465-474.	1.6	25
21	De Facto Water Reuse: Bioassay suite approach delivers depth and breadth in endocrine active compound detection. <i>Science of the Total Environment</i> , 2020, 699, 134297.	8.0	24
22	Application of a Tenax model to assess bioavailability of PCBs in field sediments. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 2210-2216.	4.3	23
23	Developmental effects of a municipal wastewater effluent on two generations of the fathead minnow, <i>Pimephales promelas</i> . <i>Aquatic Toxicology</i> , 2009, 95, 173-181.	4.0	22
24	Riparian spiders indicate the magnitude and sources of polychlorinated biphenyl contamination at a large contaminated sediment site. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2467-2474.	4.3	21
25	Primary Sources of Polycyclic Aromatic Hydrocarbons to Streambed Sediment in Great Lakes Tributaries Using Multiple Lines of Evidence. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 1392-1408.	4.3	21
26	Application of a tenax model to assess bioavailability of polychlorinated biphenyls in field sediments. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 286-292.	4.3	19
27	Evaluation of targeted and untargeted effects-based monitoring tools to assess impacts of contaminants of emerging concern on fish in the South Platte River, CO. <i>Environmental Pollution</i> , 2018, 239, 706-713.	7.5	19
28	Synthesis and characterization of magnetic manganese ferrites. <i>Materials Science for Energy Technologies</i> , 2019, 2, 150-160.	1.8	16
29	Abiotic transformation of estrogens in synthetic municipal wastewater: An alternative for treatment?. <i>Environmental Pollution</i> , 2010, 158, 3372-3377.	7.5	15
30	Use of Riparian Spiders as Sentinels of Persistent and Bioavailable Chemical Contaminants in Aquatic Ecosystems: A Review. <i>Environmental Toxicology and Chemistry</i> , 2022, 41, 499-514.	4.3	15
31	Examining historical mercury sources in the Saint Louis River estuary: How legacy contamination influences biological mercury levels in Great Lakes coastal regions. <i>Science of the Total Environment</i> , 2021, 779, 146284.	8.0	13
32	Assessment of the abiotic transformation of 17 β -estradiol in the presence of vegetable matter. <i>Chemosphere</i> , 2011, 82, 1468-1474.	8.2	11
33	Monitoring exposure of brown bullheads and benthic macroinvertebrates to sediment contaminants in the Ashtabula river before, during, and after remediation. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1267-1276.	4.3	11
34	The Value of Using Multiple Metrics to Evaluate PCB Exposure. <i>Archives of Environmental Contamination and Toxicology</i> , 2018, 74, 361-371.	4.1	9
35	Effect of sample holding time on bioaccessibility and sediment ecotoxicological assessments. <i>Environmental Pollution</i> , 2018, 242, 2078-2087.	7.5	9
36	Assessment of the abiotic transformation of 17 β -estradiol in the presence of vegetable matter II: The role of molecular oxygen. <i>Chemosphere</i> , 2012, 87, 521-526.	8.2	8

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37	InÂvivo and InÂvitro neurochemical-based assessments of wastewater effluents from the Maumee River area of concern. Environmental Pollution, 2016, 211, 9-19.	7.5	8
38	DEGRADATION OF CRUDE OIL ENHANCED BY COMMERCIAL MICROBIAL CULTURES. International Oil Spill Conference Proceedings, 1997, 1997, 995-996.	0.1	5
39	Practical Considerations for the Incorporation of Insect-Mediated Contaminant Flux into Ecological Risk Assessments. , 2020, , 179-195.		5
40	Model stream channel testing of a UV-transparent polymer-based passive sampler for ultra-low-cost water screening applications. Chemosphere, 2010, 80, 908-913.	8.2	4
41	Proof of concept for the use of macroinvertebrates as indicators of polychlorinated biphenyls (PCB) contamination in Lake Hartwell. Environmental Toxicology and Chemistry, 2015, 34, 1277-1282.	4.3	4
42	Direct gas injection method: A simple modification to an elemental analyzer/isotope ratio mass spectrometer for stable isotope analysis of N and C from N ₂ O and CO ₂ gases in nanomolar concentrations. Rapid Communications in Mass Spectrometry, 2013, 27, 97-102.	1.5	3
43	A modeling approach to compare PCB concentrations between congener-specific analyses. Integrated Environmental Assessment and Management, 2017, 13, 227-232.	2.9	3
44	Characterization of contaminant migration potential in the vicinity of an in-place sand cap. Journal of Soils and Sediments, 2010, 10, 440-450.	3.0	2
45	Response to Comment on "Primary Sources of Polycyclic Aromatic Hydrocarbons to Streambed Sediment in Great Lakes Tributaries Using Multiple Lines of Evidence". Environmental Toxicology and Chemistry, 2020, 39, 2345-2347.	4.3	0