

Travis S Schmidt

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,729
citations

236925

25
h-index

289244

40
g-index

51
all docs

51
docs citations

51
times ranked

1789
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential habitat distribution for the freshwater diatom <i>Didymosphenia geminata</i> in the continental US. <i>Frontiers in Ecology and the Environment</i> , 2009, 7, 415-420.	4.0	155
2	Climate-induced changes in high elevation stream nitrate dynamics. <i>Global Change Biology</i> , 2009, 15, 1777-1789.	9.5	122
3	Complex mixtures of dissolved pesticides show potential aquatic toxicity in a synoptic study of Midwestern U.S. streams. <i>Science of the Total Environment</i> , 2018, 613-614, 1469-1488.	8.0	116
4	Metamorphosis Alters Contaminants and Chemical Tracers in Insects: Implications for Food Webs. <i>Environmental Science & Technology</i> , 2014, 48, 10957-10965.	10.0	105
5	Cross-ecosystem impacts of stream pollution reduce resource and contaminant flux to riparian food webs. <i>Ecological Applications</i> , 2014, 24, 235-243.	3.8	95
6	Emergence Flux Declines Disproportionately to Larval Density along a Stream Metals Gradient. <i>Environmental Science & Technology</i> , 2013, 47, 8784-8792.	10.0	76
7	Metamorphosis Enhances the Effects of Metal Exposure on the Mayfly, <i>Centropetium triangulifer</i> . <i>Environmental Science & Technology</i> , 2014, 48, 10415-10422.	10.0	69
8	Development of a new toxic unit model for the bioassessment of metals in streams. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2432-2442.	4.3	63
9	Bifenthrin Causes Trophic Cascade and Altered Insect Emergence in Mesocosms: Implications for Small Streams. <i>Environmental Science & Technology</i> , 2016, 50, 11974-11983.	10.0	61
10	Bioaccumulation and Toxicity of Cadmium, Copper, Nickel, and Zinc and Their Mixtures to Aquatic Insect Communities. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 812-833.	4.3	61
11	Linking the Agricultural Landscape of the Midwest to Stream Health with Structural Equation Modeling. <i>Environmental Science & Technology</i> , 2019, 53, 452-462.	10.0	56
12	Critical Tissue Residue Approach Linking Accumulated Metals in Aquatic Insects to Population and Community-Level Effects. <i>Environmental Science & Technology</i> , 2011, 45, 7004-7010.	10.0	49
13	Common insecticide disrupts aquatic communities: A mesocosm-to-field ecological risk assessment of fipronil and its degradates in U.S. streams. <i>Science Advances</i> , 2020, 6, .	10.3	38
14	Geologic processes influence the effects of mining on aquatic ecosystems. <i>Ecological Applications</i> , 2012, 22, 870-879.	3.8	37
15	Estimating risks to aquatic life using quantile regression. <i>Freshwater Science</i> , 2012, 31, 709-723.	1.8	37
16	Expanding metal mixture toxicity models to natural stream and lake invertebrate communities. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 761-776.	4.3	37
17	Metamorphosis Affects Metal Concentrations and Isotopic Signatures in a Mayfly (<i>Baetis</i>). <i>Environmental Science & Technology</i> , 2017, 51, 2438-2446.	10.0	35
18	Quantifying Differences in Responses of Aquatic Insects to Trace Metal Exposure in Field Studies and Short-Term Stream Mesocosm Experiments. <i>Environmental Science & Technology</i> , 2018, 52, 4378-4384.	10.0	34

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19	Biofilms Provide New Insight into Pesticide Occurrence in Streams and Links to Aquatic Ecological Communities. <i>Environmental Science & Technology</i> , 2020, 54, 5509-5519.	10.0	34
20	Larval aquatic insect responses to cadmium and zinc in experimental streams. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 749-762.	4.3	33
21	Thermal regimes of Rocky Mountain lakes warm with climate change. <i>PLoS ONE</i> , 2017, 12, e0179498.	2.5	33
22	Aquatic pollution increases use of terrestrial prey subsidies by stream fish. <i>Journal of Applied Ecology</i> , 2016, 53, 44-53.	4.0	31
23	Geochemistry of surface water in alpine catchments in central Colorado, USA: Resolving host-rock effects at different spatial scales. <i>Applied Geochemistry</i> , 2009, 24, 600-610.	3.0	29
24	Characterizing invertebrate traits in wadeable streams of the contiguous US: differences among ecoregions and land uses. <i>Freshwater Science</i> , 2012, 31, 1042-1056.	1.8	28
25	In situ studies with Asian clams (<i>Corbicula fluminea</i>) detect acid mine drainage and nutrient inputs in low-order streams. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2001, 58, 602-608.	1.4	26
26	Integrative assessment of benthic macroinvertebrate community impairment from metal-contaminated waters in tributaries of the upper Powell River, Virginia, USA. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 2233-2241.	4.3	26
27	Ecological consequences of neonicotinoid mixtures in streams. <i>Science Advances</i> , 2022, 8, eabj8182.	10.3	21
28	Modification of an ecotoxicological rating to bioassess small acid mine drainage-impacted watersheds exclusive of benthic macroinvertebrate analysis. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1091-1097.	4.3	18
29	A paradox of warming in a deep peri-Alpine lake (Lake Lugano, Switzerland and Italy). <i>Hydrobiologia</i> , 2018, 824, 215-228.	2.0	18
30	Soil disturbance as a driver of increased stream salinity in a semiarid watershed undergoing energy development. <i>Journal of Hydrology</i> , 2015, 524, 123-136.	5.4	17
31	In vivo isotopic fractionation of zinc and biodynamic modeling yield insights into detoxification mechanisms in the mayfly <i>Neocloeon triangulifer</i> . <i>Science of the Total Environment</i> , 2017, 609, 1219-1229.	8.0	17
32	Is there an urban pesticide signature? Urban streams in five U.S. regions share common dissolved-phase pesticides but differ in predicted aquatic toxicity. <i>Science of the Total Environment</i> , 2021, 793, 148453.	8.0	17
33	Disentangling the effects of low pH and metal mixture toxicity on macroinvertebrate diversity. <i>Environmental Pollution</i> , 2018, 235, 889-898.	7.5	15
34	Time-dependent accumulation of Cd, Co, Cu, Ni, and Zn in natural communities of mayfly and caddisfly larvae: Metal sensitivity, uptake pathways, and mixture toxicity. <i>Science of the Total Environment</i> , 2020, 732, 139011.	8.0	15
35	Multiple in-stream stressors degrade biological assemblages in five U.S. regions. <i>Science of the Total Environment</i> , 2021, 800, 149350.	8.0	14
36	Modification of an ecotoxicological rating to bioassess small acid mine drainage-impacted watersheds exclusive of benthic macroinvertebrate analysis. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1091-7.	4.3	13

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37	Benthic Algal (Periphyton) Growth Rates in Response to Nitrogen and Phosphorus: Parameter Estimation for Water Quality Models. <i>Journal of the American Water Resources Association</i> , 2019, 55, 1479-1491.	2.4	12
38	Variation in metal concentrations across a large contamination gradient is reflected in stream but not linked riparian food webs. <i>Science of the Total Environment</i> , 2021, 769, 144714.	8.0	12
39	Understanding the captivity effect on invertebrate communities transplanted into an experimental stream laboratory. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2820-2834.	4.3	11
40	Mercury and selenium concentrations in fishes of the Upper Colorado River Basin, southwestern United States: A retrospective assessment. <i>PLoS ONE</i> , 2020, 15, e0226824.	2.5	11
41	Impaired <i>Acroneuria</i> sp. (Plecoptera, Perlidae) Populations Associated with Aluminum Contamination in Neutral pH Surface Waters. <i>Archives of Environmental Contamination and Toxicology</i> , 2002, 42, 416-422.	4.1	8
42	Temporal Influences on Selenium Partitioning, Trophic Transfer, and Exposure in a Major U.S. River. <i>Environmental Science & Technology</i> , 2021, 55, 3645-3656.	10.0	5
43	Sediment Sources and Sealed-Pavement Area Drive Polycyclic Aromatic Hydrocarbon and Metal Occurrence in Urban Streams. <i>Environmental Science & Technology</i> , 2022, 56, 1615-1626.	10.0	5
44	Isotopic Insights into Biological Regulation of Zinc in Contaminated Systems. <i>Procedia Earth and Planetary Science</i> , 2015, 13, 60-63.	0.6	3
45	INTEGRATIVE ASSESSMENT OF BENTHIC MACROINVERTEBRATE COMMUNITY IMPAIRMENT FROM METAL-CONTAMINATED WATERS IN TRIBUTARIES OF THE UPPER POWELL RIVER, VIRGINIA, USA. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 2233.	4.3	2
46	MODIFICATION OF AN ECOTOXICOLOGICAL RATING TO BIOASSESS SMALL ACID MINE DRAINAGE-IMPACTED WATERSHEDS EXCLUSIVE OF BENTHIC MACROINVERTEBRATE ANALYSIS. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 1091.	4.3	2
47	Integrative assessment of benthic macroinvertebrate community impairment from metal-contaminated waters in tributaries of the Upper Powell River, Virginia, USA. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 2233-41.	4.3	2
48	Boulder Creek: A stream ecosystem in an urban landscape. , 2008, , 217-233.		0
49	Lack of evidence for indirect effects from stonefly predators on primary production under future climate warming scenarios. <i>Ecoscience</i> , 0, , 1-9.	1.4	0