

Travis S Schmidt

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

1,279
citations

23
h-index

35
g-index

51
ext. papers

1,509
ext. citations

6.8
avg, IF

4.69
L-index

#	Paper	IF	Citations
50	Ecological consequences of neonicotinoid mixtures in streams.. <i>Science Advances</i> , 2022 , 8, eabj8182	14.3	0
49	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	10.2	5
48	Temporal Influences on Selenium Partitioning, Trophic Transfer, and Exposure in a Major U.S. River. <i>Environmental Science & Technology</i> , 2021 , 55, 3645-3656	10.3	0
47	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	10.2	4
46	Multiple in-stream stressors degrade biological assemblages in five U.S. regions. <i>Science of the Total Environment</i> , 2021 , 800, 149350	10.2	2
45	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	3.7	3
44	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	10.2	10
43	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	3.8	27
42	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,	14.3	16
41	Biofilms Provide New Insight into Pesticide Occurrence in Streams and Links to Aquatic Ecological Communities. <i>Environmental Science & Technology</i> , 2020 , 54, 5509-5519	10.3	15
40	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	2.1	5
39	Linking the Agricultural Landscape of the Midwest to Stream Health with Structural Equation Modeling. <i>Environmental Science & Technology</i> , 2019 , 53, 452-462	10.3	27
38	Disentangling the effects of low pH and metal mixture toxicity on macroinvertebrate diversity. <i>Environmental Pollution</i> , 2018 , 235, 889-898	9.3	7
37	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	10.3	25
36	A paradox of warming in a deep peri-Alpine lake (Lake Lugano, Switzerland and Italy). <i>Hydrobiologia</i> , 2018 , 824, 215-228	2.4	13
35	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	10.2	78
34	Understanding the captivity effect on invertebrate communities transplanted into an experimental stream laboratory. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2820-2834	3.8	9

33	Metamorphosis Affects Metal Concentrations and Isotopic Signatures in a Mayfly (<i>Baetis tricaudatus</i>): Implications for the Aquatic-Terrestrial Transfer of Metals. <i>Environmental Science & Technology</i> , 2017 , 51, 2438-2446	10.3	26
32	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	10.2	13
31	Thermal regimes of Rocky Mountain lakes warm with climate change. <i>PLoS ONE</i> , 2017 , 12, e0179498	3.7	20
30	Larval aquatic insect responses to cadmium and zinc in experimental streams. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 749-762	3.8	27
29	Aquatic pollution increases use of terrestrial prey subsidies by stream fish. <i>Journal of Applied Ecology</i> , 2016 , 53, 44-53	5.8	24
28	Bifenthrin Causes Trophic Cascade and Altered Insect Emergence in Mesocosms: Implications for Small Streams. <i>Environmental Science & Technology</i> , 2016 , 50, 11974-11983	10.3	48
27	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	6	16
26	Isotopic Insights into Biological Regulation of Zinc in Contaminated Systems. <i>Procedia Earth and Planetary Science</i> , 2015 , 13, 60-63		2
25	Expanding metal mixture toxicity models to natural stream and lake invertebrate communities. <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 761-76	3.8	32
24	Metamorphosis alters contaminants and chemical tracers in insects: implications for food webs. <i>Environmental Science & Technology</i> , 2014 , 48, 10957-65	10.3	81
23	Metamorphosis enhances the effects of metal exposure on the mayfly, <i>Centroptilum triangulifer</i> . <i>Environmental Science & Technology</i> , 2014 , 48, 10415-22	10.3	58
22	Cross-ecosystem impacts of stream pollution reduce resource and contaminant flux to riparian food webs 2014 , 24, 235-43		72
21	Emergence flux declines disproportionately to larval density along a stream metals gradient. <i>Environmental Science & Technology</i> , 2013 , 47, 8784-92	10.3	64
20	Estimating risks to aquatic life using quantile regression. <i>Freshwater Science</i> , 2012 , 31, 709-723	2	30
19	Characterizing invertebrate traits in wadeable streams of the contiguous US: differences among ecoregions and land uses. <i>Freshwater Science</i> , 2012 , 31, 1042-1056	2	25
18	Geologic processes influence the effects of mining on aquatic ecosystems 2012 , 22, 870-9		34
17	Critical tissue residue approach linking accumulated metals in aquatic insects to population and community-level effects. <i>Environmental Science & Technology</i> , 2011 , 45, 7004-10	10.3	45
16	Development of a new toxic-unit model for the bioassessment of metals in streams. <i>Environmental Toxicology and Chemistry</i> , 2010 , 29, 2432-42	3.8	60

15	Climate-induced changes in high elevation stream nitrate dynamics. <i>Global Change Biology</i> , 2009 , 15, 1777-1789	11.4	108
14	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	3.5	27
13	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	5.5	127
12	Boulder Creek: A stream ecosystem in an urban landscape 2008 , 217-233		
11	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	3.8	18
10	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	3.8	23
9	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, 416-22	3.2	8
8	Integrative assessment of benthic macroinvertebrate community impairment from metal-contaminated waters in tributaries of the upper Powell River, Virginia, USA 2002 , 21, 2233		2
7	. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 1091	3.8	2
6	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	3.8	12
5	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	3.8	2
4	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	2.4	23
3	Geospatial database for regional environmental assessment of central Colorado.. <i>Data Series</i> ,i-76		2
2	Selected Field Parameters from Streams and Analytical Data from Water and Macroinvertebrate Samples, Central Colorado Assessment Project, Environmental Assessment Task, 2004 and 2005. <i>US Geological Survey Open-File Report</i> ,		2
1	Lack of evidence for indirect effects from stonefly predators on primary production under future climate warming scenarios. <i>Ecoscience</i> ,1-9	1.1	