

Simon Devin

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,165
citations

331259

21
h-index

377514

34
g-index

36
all docs

36
docs citations

36
times ranked

1694
citing authors

#	ARTICLE	IF	CITATIONS
1	The integrated biomarker response revisited: optimization to avoid misuse. <i>Environmental Science and Pollution Research</i> , 2014, 21, 2448-2454.	2.7	179
2	Biological and ecological characteristics of invasive species: a gammarid study. <i>Biological Invasions</i> , 2006, 9, 13-24.	1.2	100
3	Life History Traits of the Invader <i>Dikerogammarus villosus</i> (Crustacea: Amphipoda) in the Moselle River, France. <i>International Review of Hydrobiology</i> , 2004, 89, 21-34.	0.5	77
4	Phosphorus content in detritus controls life-history traits of a detritivore. <i>Functional Ecology</i> , 2013, 27, 807-815.	1.7	61
5	The integrated biomarker response: a suitable tool to evaluate toxicity of metal-based nanoparticles. <i>Nanotoxicology</i> , 2017, 11, 1-6.	1.6	52
6	Assessment of baseline ecotoxicity of sediments from a prospective mining area enriched in light rare earth elements. <i>Science of the Total Environment</i> , 2018, 612, 831-839.	3.9	52
7	Patterns of Biological Invasions in French Freshwater Systems by Non-Indigenous Macroinvertebrates. <i>Hydrobiologia</i> , 2005, 551, 137-146.	1.0	49
8	Effects of increasing temperatures on biomarker responses and accumulation of hazardous substances in rope mussels (<i>Mytilus galloprovincialis</i>) from Bizerte lagoon. <i>Environmental Science and Pollution Research</i> , 2014, 21, 6108-6123.	2.7	47
9	Multibiomarker assessment of cerium dioxide nanoparticle (nCeO ₂) sublethal effects on two freshwater invertebrates, <i>Dreissena polymorpha</i> and <i>Gammarus roeseli</i> . <i>Aquatic Toxicology</i> , 2015, 158, 63-74.	1.9	43
10	Towards a better understanding of biomarker response in field survey: A case study in eight populations of zebra mussels. <i>Aquatic Toxicology</i> , 2014, 155, 52-61.	1.9	40
11	Integrated assessment of ceria nanoparticle impacts on the freshwater bivalve <i>Dreissena polymorpha</i> . <i>Nanotoxicology</i> , 2016, 10, 935-944.	1.6	37
12	The influence of salinity on the fate and behavior of silver standardized nanomaterial and toxicity effects in the estuarine bivalve <i>Scrobicularia plana</i> . <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 2550-2561.	2.2	35
13	Eco-physiological responses to salinity changes across the freshwater-marine continuum on two euryhaline bivalves: <i>Corbicula fluminea</i> and <i>Scrobicularia plana</i> . <i>Ecological Indicators</i> , 2017, 74, 334-342.	2.6	34
14	Growth-related life-history traits of an invasive gammarid species: evaluation with a Laird's Gompertz model. <i>Canadian Journal of Zoology</i> , 2003, 81, 2006-2014.	0.4	31
15	Effects of Sublethal Cadmium Exposure on Antipredator Behavioural and Antitoxic Responses in the Invasive Amphipod <i>Dikerogammarus villosus</i> . <i>PLoS ONE</i> , 2012, 7, e42435.	1.1	29
16	Silver nanoparticles impact the functional role of <i>Gammarus roeseli</i> (Crustacea Amphipoda). <i>Environmental Pollution</i> , 2016, 208, 608-618.	3.7	27
17	The contribution of a niche-based approach to ecological risk assessment: Using macroinvertebrate species under multiple stressors. <i>Environmental Pollution</i> , 2014, 185, 24-34.	3.7	26
18	Variation in variance means more than mean variations: What does variability tell us about population health status?. <i>Environment International</i> , 2014, 73, 282-287.	4.8	25

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19	Genotoxicity and physiological effects of CeO ₂ NPs on a freshwater bivalve (<i>Corbicula fluminea</i>). <i>Aquatic Toxicology</i> , 2018, 198, 141-148.	1.9	25
20	Changes in soil bacterial communities following liming of acidified forests. <i>Applied Soil Ecology</i> , 2012, 59, 116-123.	2.1	24
21	Integrated multi-biomarker responses in two dreissenid species following metal and thermal cross-stress. <i>Environmental Pollution</i> , 2016, 218, 39-49.	3.7	24
22	Biomarker versus environmental factors: Seasonal variations and modelling multixenobiotic defence (MXD) transport activity in transplanted zebra mussels. <i>Science of the Total Environment</i> , 2007, 373, 103-112.	3.9	22
23	Dam-associated multiple-stressor impacts on fungal biomass and richness reveal the initial signs of ecosystem functioning impairment. <i>Ecological Indicators</i> , 2016, 60, 1077-1090.	2.6	21
24	Synergistic impacts of sediment contamination and dam presence on river functioning. <i>Freshwater Biology</i> , 2013, 58, 320-336.	1.2	20
25	Differential tolerance to nickel between <i>Dreissena polymorpha</i> and <i>Dreissena rostriformis bugensis</i> populations. <i>Scientific Reports</i> , 2018, 8, 700.	1.6	14
26	Geographic patterns in freshwater gammarid invasions: an analysis at the pan-European scale. <i>Aquatic Sciences</i> , 2008, 70, 100-106.	0.6	13
27	Energy allocation in two dreissenid species under metal stress. <i>Environmental Pollution</i> , 2019, 245, 889-897.	3.7	13
28	Scale-dependency of macroinvertebrate communities: Responses to contaminated sediments within run-of-river dams. <i>Science of the Total Environment</i> , 2011, 409, 1336-1343.	3.9	10
29	Total and methylmercury partitioning between colloids and true solution: From case studies in sediment overlying and porewaters to a generalized model. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 330-339.	2.2	9
30	A sub-individual multilevel approach for an integrative assessment of CuO nanoparticle effects on <i>Corbicula fluminea</i> . <i>Environmental Pollution</i> , 2019, 254, 112976.	3.7	6
31	Environmental transcriptomes of invasive dreissena, a model species in ecotoxicology and invasion biology. <i>Scientific Data</i> , 2019, 6, 234.	2.4	6
32	Involvement of Apoptosis in Host-Parasite Interactions in the Zebra Mussel. <i>PLoS ONE</i> , 2013, 8, e65822.	1.1	6
33	<i>Corbicula fluminea</i> gene expression modulated by CeO ₂ nanomaterials and salinity. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15174-15186.	2.7	5
34	Impact of multiple stressors on biomarker responses in sympatric dreissenid populations. <i>Aquatic Toxicology</i> , 2018, 203, 140-149.	1.9	2
35	Characterization of Cu/Zn-SODs in sympatric species: A comparison of zebra and quagga mussels. <i>Journal of Great Lakes Research</i> , 2020, 46, 1783-1790.	0.8	1
36	Vers une démarche graduée d'évaluation écotoxicologique des sédiments fluviaux: présentation et premiers tests. <i>Houille Blanche</i> , 2016, 102, 85-100.	0.3	0