

# Matthias Liess

## List of Publications by Citations

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164  
papers

10,752  
citations

52  
h-index

100  
g-index

169  
ext. papers

12,236  
ext. citations

6.5  
avg, IF

6.55  
L-index

#	Paper	IF	Citations
164	Systemic insecticides (neonicotinoids and fipronil): trends, uses, mode of action and metabolites. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 5-34	5.1	839
163	Neonicotinoid contamination of global surface waters and associated risk to aquatic invertebrates: a review. <i>Environment International</i> , <b>2015</b> , 74, 291-303	12.9	638
162	Environmental fate and exposure; neonicotinoids and fipronil. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 35-67	5.1	636
161	Analyzing effects of pesticides on invertebrate communities in streams. <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 954-65	3.8	499
160	Effects of neonicotinoids and fipronil on non-target invertebrates. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 68-102	5.1	465
159	Pesticides reduce regional biodiversity of stream invertebrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 11039-43	11.5	420
158	Guidance on tiered risk assessment for plant protection products for aquatic organisms in edge-of-field surface waters. <i>EFSA Journal</i> , <b>2013</b> , 11, 3290	2.3	326
157	Effects of pesticides on community structure and ecosystem functions in agricultural streams of three biogeographical regions in Europe. <i>Science of the Total Environment</i> , <b>2007</b> , 382, 272-85	10.2	292
156	Combined and interactive effects of global climate change and toxicants on populations and communities. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 49-61	3.8	213
155	Thresholds for the effects of pesticides on invertebrate communities and leaf breakdown in stream ecosystems. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 5134-42	10.3	190
154	Determination of insecticide contamination in agricultural headwater streams. <i>Water Research</i> , <b>1999</b> , 33, 239-247	12.5	163
153	Relative sensitivity distribution of aquatic invertebrates to organic and metal compounds. <i>Environmental Toxicology and Chemistry</i> , <b>2004</b> , 23, 150-6	3.8	157
152	Structural alerts--a new classification model to discriminate excess toxicity from narcotic effect levels of organic compounds in the acute daphnid assay. <i>Chemical Research in Toxicology</i> , <b>2005</b> , 18, 536-55	4	155
151	Acute and delayed effects of the neonicotinoid insecticide thiacloprid on seven freshwater arthropods. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 461-70	3.8	154
150	The footprint of pesticide stress in communities--species traits reveal community effects of toxicants. <i>Science of the Total Environment</i> , <b>2008</b> , 406, 484-90	10.2	148
149	A field study of the effects of agriculturally derived insecticide input on stream macroinvertebrate dynamics. <i>Aquatic Toxicology</i> , <b>1999</b> , 46, 155-176	5.1	138
148	A comparison of predicted and measured levels of runoff-related pesticide concentrations in small lowland streams on a landscape level. <i>Chemosphere</i> , <b>2005</b> , 58, 683-91	8.4	135

147	The significance of entry routes as point and non-point sources of pesticides in small streams. <i>Water Research</i> , <b>2002</b> , 36, 835-42	12.5	132
146	Development of a framework based on an ecosystem services approach for deriving specific protection goals for environmental risk assessment of pesticides. <i>Science of the Total Environment</i> , <b>2012</b> , 415, 31-8	10.2	131
145	Predicting the synergy of multiple stress effects. <i>Scientific Reports</i> , <b>2016</b> , 6, 32965	4.9	125
144	Potential of 11 pesticides to initiate downstream drift of stream macroinvertebrates. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2008</b> , 55, 247-53	3.2	113
143	Traits and stress: keys to identify community effects of low levels of toxicants in test systems. <i>Ecotoxicology</i> , <b>2011</b> , 20, 1328-40	2.9	109
142	Long-term stream invertebrate community alterations induced by the insecticide thiacloprid: effect concentrations and recovery dynamics. <i>Science of the Total Environment</i> , <b>2008</b> , 405, 96-108	10.2	102
141	A trait database of stream invertebrates for the ecological risk assessment of single and combined effects of salinity and pesticides in South-East Australia. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 2055-63	10.2	100
140	Pesticides from wastewater treatment plant effluents affect invertebrate communities. <i>Science of the Total Environment</i> , <b>2017</b> , 599-600, 387-399	10.2	98
139	Climate change, agricultural insecticide exposure, and risk for freshwater communities <b>2011</b> , 21, 2068-81		93
138	Population response to toxicants is altered by intraspecific interaction. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 138-142	3.8	92
137	Ecotoxicology and macroecology--time for integration. <i>Environmental Pollution</i> , <b>2012</b> , 162, 247-54	9.3	90
136	SPEAR indicates pesticide effects in streams--comparative use of species- and family-level biomonitoring data. <i>Environmental Pollution</i> , <b>2009</b> , 157, 1841-8	9.3	81
135	Runoff-Related Pesticide Input into the Lourens River, South Africa: Basic Data for Exposure Assessment and Risk Mitigation at the Catchment Scale. <i>Water, Air, and Soil Pollution</i> , <b>2002</b> , 135, 265-283	2.6	76
134	Modeling global distribution of agricultural insecticides in surface waters. <i>Environmental Pollution</i> , <b>2015</b> , 198, 54-60	9.3	73
133	Acute contamination with esfenvalerate and food limitation: chronic effects on the mayfly, Cloeon dipterum. <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 1281-6	3.8	73
132	Traits-based approaches in bioassessment and ecological risk assessment: strengths, weaknesses, opportunities and threats. <i>Integrated Environmental Assessment and Management</i> , <b>2011</b> , 7, 198-208	2.5	68
131	Scientific Opinion on Risk Assessment for a Selected Group of Pesticides from the Triazole Group to Test Possible Methodologies to Assess Cumulative Effects from Exposure through Food from these Pesticides on Human Health. <i>EFSA Journal</i> , <b>2009</b> , 7, 1167	2.3	68
130	Mapping ecological risk of agricultural pesticide runoff. <i>Science of the Total Environment</i> , <b>2007</b> , 384, 264-70	10.2	68

129	In situ-based effects measures: determining the ecological relevance of measured responses. <i>Integrated Environmental Assessment and Management</i> , <b>2007</b> , 3, 259-67	2.5	68
128	Occurrence and toxicity of 331 organic pollutants in large rivers of north Germany over a decade (1994 to 2004). <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 6167-74	10.3	66
127	Calibration of the Chemcatcher passive sampler for monitoring selected polar and semi-polar pesticides in surface water. <i>Environmental Pollution</i> , <b>2008</b> , 155, 52-60	9.3	66
126	The Bode hydrological observatory: a platform for integrated, interdisciplinary hydro-ecological research within the TERENO Harz/Central German Lowland Observatory. <i>Environmental Earth Sciences</i> , <b>2017</b> , 76, 1	2.9	65
125	Towards a renewed research agenda in ecotoxicology. <i>Environmental Pollution</i> , <b>2012</b> , 160, 201-6	9.3	65
124	Predation risk perception and food scarcity induce alterations of life-cycle traits of the mosquito <i>Culex pipiens</i> . <i>Ecological Entomology</i> , <b>2007</b> , 32, 405-410	2.1	65
123	Culmination of low-dose pesticide effects. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 8862-8	10.3	63
122	Effects of organic pollutants from wastewater treatment plants on aquatic invertebrate communities. <i>Water Research</i> , <b>2013</b> , 47, 597-606	12.5	62
121	Sub-lethal effects of metal exposure: physiological and behavioural responses of the estuarine bivalve <i>Macoma balthica</i> . <i>Marine Environmental Research</i> , <b>2004</b> , 58, 245-50	3.3	60
120	Performance of the Chemcatcher passive sampler when used to monitor 10 polar and semi-polar pesticides in 16 Central European streams, and comparison with two other sampling methods. <i>Water Research</i> , <b>2008</b> , 42, 2707-17	12.5	59
119	How to characterize chemical exposure to predict ecologic effects on aquatic communities?. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 7996-8004	10.3	56
118	Water quality indices across Europe—a comparison of the good ecological status of five river basins. <i>Journal of Environmental Monitoring</i> , <b>2007</b> , 9, 970-8		55
117	Intraspecific competition delays recovery of population structure. <i>Aquatic Toxicology</i> , <b>2010</b> , 97, 15-22	5.1	54
116	Combined effects of ultraviolet-B radiation and food shortage on the sensitivity of the Antarctic amphipod <i>Paramoera walkeri</i> to copper. <i>Environmental Toxicology and Chemistry</i> , <b>2001</b> , 20, 2088-92	3.8	53
115	Community dynamics under environmental change: How can next generation mechanistic models improve projections of species distributions?. <i>Ecological Modelling</i> , <b>2016</b> , 326, 63-74	3	52
114	An indicator for effects of organic toxicants on lotic invertebrate communities: Independence of confounding environmental factors over an extensive river continuum. <i>Environmental Pollution</i> , <b>2008</b> , 156, 980-7	9.3	52
113	Estimating pesticide runoff in small streams. <i>Chemosphere</i> , <b>2007</b> , 68, 2161-71	8.4	52
112	Maternal nutritional state determines the sensitivity of <i>Daphnia magna</i> offspring to short-term Fenvalerate exposure. <i>Aquatic Toxicology</i> , <b>2006</b> , 76, 268-77	5.1	50

111	Toxicity of fenvalerate to caddisfly larvae: chronic effects of 1- vs 10-h pulse-exposure with constant doses. <i>Chemosphere</i> , <b>2000</b> , 41, 1511-7	8.4	50
110	Competition increases toxicant sensitivity and delays the recovery of two interacting populations. <i>Aquatic Toxicology</i> , <b>2012</b> , 106-107, 25-31	5.1	49
109	Effects of contaminants in the Antarctic environment - potential of the gammarid amphipod crustacean <i>Paramorea walkeri</i> as a biological indicator for Antarctic ecosystems based on toxicity and bioaccumulation of copper and cadmium. <i>Aquatic Toxicology</i> , <b>2000</b> , 49, 131-143	5.1	49
108	Future pesticide risk assessment: narrowing the gap between intention and reality. <i>Environmental Sciences Europe</i> , <b>2019</b> , 31,	5	47
107	Chronic effects of short-term contamination with the pyrethroid insecticide fenvalerate on the caddisfly <i>Limnephilus lunatus</i> . <i>Hydrobiologia</i> , <b>1996</b> , 324, 99-106	2.4	47
106	A method for monitoring pesticides bound to suspended particles in small streams. <i>Chemosphere</i> , <b>1996</b> , 32, 1963-1969	8.4	46
105	Aquatic passive sampling of a short-term thiacloprid pulse with the Chemcatcher: impact of biofouling and use of a diffusion-limiting membrane on the sampling rate. <i>Journal of Chromatography A</i> , <b>2008</b> , 1203, 1-6	4.5	45
104	Evaluation of Exposure Metrics for Effect Assessment of Soil Invertebrates. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2012</b> , 42, 1862-1893	11.1	44
103	A qualitative field method for monitoring pesticides in the edge-of-field runoff. <i>Chemosphere</i> , <b>1998</b> , 36, 3071-82	8.4	44
102	The influence of predation on the chronic response of <i>Artemia</i> sp. populations to a toxicant. <i>Journal of Applied Ecology</i> , <b>2006</b> , 43, 1069-1074	5.8	44
101	Agricultural intensity and landscape structure: influences on the macroinvertebrate assemblages of small streams in northern Germany. <i>Environmental Toxicology and Chemistry</i> , <b>2007</b> , 26, 346-57	3.8	42
100	Influence of duration of exposure to the pyrethroid fenvalerate on sublethal responses and recovery of <i>Daphnia magna</i> straus. <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 1160-4	3.8	42
99	Pesticide impact on aquatic invertebrates identified with Chemcatcher□ passive samplers and the SPEAR(pesticides) index. <i>Science of the Total Environment</i> , <b>2015</b> , 537, 69-80	10.2	41
98	Long-term signal of population disturbance after pulse exposure to an insecticide: rapid recovery of abundance, persistent alteration of structure. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 1326-31	3.8	40
97	Effects of parathion on acetylcholinesterase, butyrylcholinesterase, and carboxylesterase in three-spined stickleback ( <i>Gasterosteus aculeatus</i> ) following short-term exposure. <i>Environmental Toxicology and Chemistry</i> , <b>2001</b> , 20, 1528-1531	3.8	40
96	Scientific Opinion addressing the state of the science on risk assessment of plant protection products for non-target arthropods. <i>EFSA Journal</i> , <b>2015</b> , 13, 3996	2.3	39
95	Effects of the hormone mimetic insecticide tebufenozide on <i>Chironomus riparius</i> larvae in two different exposure setups. <i>Ecotoxicology and Environmental Safety</i> , <b>2001</b> , 49, 171-8	7	39
94	Forested headwaters mitigate pesticide effects on macroinvertebrate communities in streams: Mechanisms and quantification. <i>Science of the Total Environment</i> , <b>2015</b> , 524-525, 115-23	10.2	38

93	Do predictions from Species Sensitivity Distributions match with field data?. <i>Environmental Pollution</i> , <b>2014</b> , 189, 126-33	9.3	38
92	Indication of pesticide effects and recolonization in streams. <i>Science of the Total Environment</i> , <b>2018</b> , 630, 1619-1627	10.2	37
91	Intraspecific competition increases toxicant effects in outdoor pond microcosms. <i>Ecotoxicology</i> , <b>2012</b> , 21, 1857-66	2.9	37
90	Occurrence and risk assessment of organic micropollutants in freshwater systems within the Lake Victoria South Basin, Kenya. <i>Science of the Total Environment</i> , <b>2020</b> , 714, 136748	10.2	35
89	Landscape parameters driving aquatic pesticide exposure and effects. <i>Environmental Pollution</i> , <b>2014</b> , 186, 90-7	9.3	35
88	Environmental context determines community sensitivity of freshwater zooplankton to a pesticide. <i>Aquatic Toxicology</i> , <b>2011</b> , 104, 116-24	5.1	35
87	Influence of food limitation on the effects of fenvalerate pulse exposure on the life history and population growth rate of <i>Daphnia magna</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2005</b> , 24, 2254-9	3.8	35
86	Interspecific competition delays recovery of <i>Daphnia</i> spp. populations from pesticide stress. <i>Ecotoxicology</i> , <b>2012</b> , 21, 1039-49	2.9	34
85	Effects of chronic ammonium and nitrite contamination on the macroinvertebrate community in running water microcosms. <i>Water Research</i> , <b>2001</b> , 35, 3478-82	12.5	34
84	Species at Risk (SPEAR) index indicates effects of insecticides on stream invertebrate communities in soy production regions of the Argentine Pampas. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 699-709 <sup>10.2</sup>	10.2	32
83	Linking feeding activity and maturation of <i>Daphnia magna</i> following short-term exposure to fenvalerate. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 1826-30	3.8	32
82	Increased sensitivity of the macroinvertebrate <i>Paramoera walkeri</i> to heavy-metal contamination in the presence of solar UV radiation in Antarctic shoreline waters. <i>Marine Ecology - Progress Series</i> , <b>2003</b> , 255, 183-191	2.6	31
81	Runoff simulation with particle-bound fenvalerate in multispecies stream microcosms: Importance of biological interactions. <i>Environmental Toxicology and Chemistry</i> , <b>2001</b> , 20, 757-762	3.8	30
80	Chronic effects of low insecticide concentrations on freshwater caddisfly larvae. <i>Hydrobiologia</i> , <b>1995</b> , 299, 103-113	2.4	30
79	Call to restrict neonicotinoids. <i>Science</i> , <b>2018</b> , 360, 973	33.3	29
78	Variability of pesticide exposure in a stream mesocosm system: macrophyte-dominated vs. non-vegetated sections. <i>Environmental Pollution</i> , <b>2008</b> , 156, 1364-7	9.3	29
77	A qualitative sampling method for monitoring water quality in temporary channels or point sources and its application to pesticide contamination. <i>Chemosphere</i> , <b>2003</b> , 51, 509-13	8.4	29
76	Bioaccumulation of trace metals in the Antarctic amphipod <i>Paramoera walkeri</i> (Stebbing, 1906): comparison of two-compartment and hyperbolic toxicokinetic models. <i>Aquatic Toxicology</i> , <b>2003</b> , 65, 117-40 <sup>5.1</sup>	5.1	27

75	Pesticides are the dominant stressors for vulnerable insects in lowland streams. <i>Water Research</i> , <b>2021</b> , 201, 117262	12.5	27
74	Acute and chronic effects of particle-associated fenvalerate on stream macroinvertebrates: a runoff simulation study using outdoor microcosms. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2001</b> , 40, 481-8	3.2	26
73	Do drivers of biodiversity change differ in importance across marine and terrestrial systems - Or is it just different research communities' perspectives?. <i>Science of the Total Environment</i> , <b>2017</b> , 574, 191-203	10.2	25
72	Assessing the Mixture Effects in Bioassays of Chemicals Occurring in Small Agricultural Streams during Rain Events. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 8280-8290	10.3	25
71	Linking land use variables and invertebrate taxon richness in small and medium-sized agricultural streams on a landscape level. <i>Ecotoxicology and Environmental Safety</i> , <b>2005</b> , 60, 140-6	7	24
70	Environmental Stress Increases Synergistic Effects of Pesticide Mixtures on. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 12586-12593	10.3	23
69	Stream invertebrate community structure at Canadian oil sands development is linked to concentration of bitumen-derived contaminants. <i>Science of the Total Environment</i> , <b>2017</b> , 575, 1005-1013	10.2	23
68	Two stressors and a community: effects of hydrological disturbance and a toxicant on freshwater zooplankton. <i>Aquatic Toxicology</i> , <b>2013</b> , 127, 9-20	5.1	23
67	Effects of the organophosphate paraoxon-methyl on survival and reproduction of <i>Daphnia magna</i> : importance of exposure duration and recovery. <i>Environmental Toxicology and Chemistry</i> , <b>2006</b> , 25, 1196-9	3.8	23
66	Sequential exposure to low levels of pesticides and temperature stress increase toxicological sensitivity of crustaceans. <i>Science of the Total Environment</i> , <b>2018</b> , 610-611, 563-569	10.2	22
65	Making ecosystem reality checks the status quo. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 459-688	6.8	21
64	Scientific Opinion on the effect assessment for pesticides on sediment organisms in edge-of-field surface water. <i>EFSA Journal</i> , <b>2015</b> , 13, 4176	2.3	21
63	Pesticide peak discharge from wastewater treatment plants into streams during the main period of insecticide application: ecotoxicological evaluation in comparison to runoff. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2003</b> , 70, 891-7	2.7	21
62	Analysing chemical-induced changes in macroinvertebrate communities in aquatic mesocosm experiments: a comparison of methods. <i>Ecotoxicology</i> , <b>2015</b> , 24, 760-9	2.9	20
61	The potential of cladocerans as controphic competitors of the mosquito <i>Culex pipiens</i> . <i>Journal of Medical Entomology</i> , <b>2011</b> , 48, 554-60	2.2	20
60	The use of image analysis to estimate population growth rate in <i>Daphnia magna</i> . <i>Journal of Applied Ecology</i> , <b>2006</b> , 43, 828-834	5.8	20
59	Modelling aquatic exposure and effects of insecticides--application to south-eastern Australia. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 2807-14	10.2	19
58	Recovery of aquatic and terrestrial populations in the context of European pesticide risk assessment. <i>Environmental Reviews</i> , <b>2015</b> , 23, 382-394	4.5	18

57	Biotic interactions govern genetic adaptation to toxicants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20150071	4.4	18
56	Population developmental stage determines the recovery potential of <i>Daphnia magna</i> populations after fenvalerate application. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 6157-62	10.3	18
55	Metal toxicity affects predatory stream invertebrates less than other functional feeding groups. <i>Environmental Pollution</i> , <b>2017</b> , 227, 505-512	9.3	17
54	Pesticide pollution in freshwater paves the way for schistosomiasis transmission. <i>Scientific Reports</i> , <b>2020</b> , 10, 3650	4.9	17
53	Elevated temperature prolongs long-term effects of a pesticide on <i>Daphnia</i> spp. due to altered competition in zooplankton communities. <i>Global Change Biology</i> , <b>2013</b> , 19, 1598-609	11.4	17
52	Sustainable control of mosquito larvae in the field by the combined actions of the biological insecticide Bti and natural competitors. <i>Journal of Vector Ecology</i> , <b>2013</b> , 38, 82-9	1.5	17
51	Effects of the pyrethroid fenvalerate on the alarm response and on the vulnerability of the mosquito larva <i>Culex pipiens molestus</i> to the predator <i>Notonecta glauca</i> . <i>Aquatic Toxicology</i> , <b>2011</b> , 104, 56-60	5.1	17
50	Species Diversity Hinders Adaptation to Toxicants. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 10195-10202	10.3	16
49	A similarity-index-based method to estimate chemical concentration limits protective for ecological communities. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 2123-31	3.8	16
48	Adaptation of <i>Gammarus pulex</i> to agricultural insecticide contamination in streams. <i>Science of the Total Environment</i> , <b>2018</b> , 621, 479-485	10.2	16
47	Pesticide Body Burden of the Crustacean <i>Gammarus pulex</i> as a Measure of Toxic Pressure in Agricultural Streams. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 7823-7832	10.3	15
46	An expert system to estimate the pesticide contamination of small streams using benthic macroinvertebrates as bioindicators II. The knowledge base of LIMPACT. <i>Ecological Indicators</i> , <b>2003</b> , 2, 391-401	5.8	15
45	Do Riparian Buffers Protect Stream Invertebrate Communities in South American Atlantic Forest Agricultural Areas?. <i>Environmental Management</i> , <b>2017</b> , 60, 1155-1170	3.1	14
44	Competition matters: species interactions prolong the long-term effects of pulsed toxicant stress on populations. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 1458-65	3.8	14
43	Short-term disturbance of a grazer has long-term effects on bacterial communities--relevance of trophic interactions for recovery from pesticide effects. <i>Aquatic Toxicology</i> , <b>2010</b> , 99, 205-11	5.1	14
42	Determination of 10 particle-associated multiclass polar and semi-polar pesticides from small streams using accelerated solvent extraction. <i>Chemosphere</i> , <b>2008</b> , 70, 1952-60	8.4	14
41	Modeling Macroinvertebrate Community Dynamics in Stream Mesocosms Contaminated with a Pesticide. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 3165-73	10.3	13
40	. <i>Environmental Toxicology and Chemistry</i> , <b>2000</b> , 19, 1607	3.8	13



39	Influence of competing and predatory invertebrate taxa on larval populations of mosquitoes in temporary ponds of wetland areas in Germany. <i>Journal of Vector Ecology</i> , <b>2010</b> , 35, 419-27	1.5	12
38	Automated Nanocosm test system to assess the effects of stressors on two interacting populations. <i>Aquatic Toxicology</i> , <b>2012</b> , 109, 243-9	5.1	11
37	Ultraviolet radiation increases sensitivity to pesticides: synergistic effects on population growth rate of <i>Daphnia magna</i> at low concentrations. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2011</b> , 87, 231-7	2.7	11
36	Predicting low-concentration effects of pesticides. <i>Scientific Reports</i> , <b>2019</b> , 9, 15248	4.9	10
35	Rebuttal related to Traits and Stress: Keys to identify community effects of low levels of toxicants in test systems by Liess and Beketov (2011). <i>Ecotoxicology</i> , <b>2012</b> , 21, 300-303	2.9	10
34	What environmental factors are important determinants of structure, species richness, and abundance of mosquito assemblages?. <i>Journal of Medical Entomology</i> , <b>2010</b> , 47, 129-39	2.2	10
33	Small streams-large concentrations? Pesticide monitoring in small agricultural streams in Germany during dry weather and rainfall. <i>Water Research</i> , <b>2021</b> , 203, 117535	12.5	10
32	Realistic pesticide exposure through water and food amplifies long-term effects in a Limnephilid caddisfly. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 1439-1445	10.2	9
31	An expert system to estimate the pesticide contamination of small streams using benthic macroinvertebrates as bioindicators. <i>Ecological Indicators</i> , <b>2003</b> , 2, 379-389	5.8	9
30	Modeling the synergistic effects of toxicant mixtures. <i>Environmental Sciences Europe</i> , <b>2020</b> , 32,	5	9
29	Temporal and spatial habitat preferences and biotic interactions between mosquito larvae and antagonistic crustaceans in the field. <i>Journal of Vector Ecology</i> , <b>2014</b> , 39, 103-11	1.5	8
28	Risk assessment of episodic exposures to chemicals should consider both the physiological and the ecological sensitivities of species. <i>Science of the Total Environment</i> , <b>2012</b> , 441, 213-9	10.2	8
27	Scientific Opinion on the report of the FOCUS groundwater working group (FOCUS, 2009): assessment of higher tiers. <i>EFSA Journal</i> , <b>2013</b> , 11, 3291	2.3	8
26	Competition impedes the recovery of <i>Daphnia magna</i> from repeated insecticide pulses. <i>Aquatic Toxicology</i> , <b>2014</b> , 147, 26-31	5.1	7
25	Disentangling multiple chemical and non-chemical stressors in a lotic ecosystem using a longitudinal approach. <i>Science of the Total Environment</i> , <b>2021</b> , 769, 144324	10.2	7
24	Crustacean biodiversity as an important factor for mosquito larval control. <i>Journal of Vector Ecology</i> , <b>2013</b> , 38, 390-400	1.5	6
23	Environmental stressors can enhance the development of community tolerance to a toxicant. <i>Ecotoxicology</i> , <b>2014</b> , 23, 1690-700	2.9	5
22	Sediment Toxicity Testing for Prospective Risk Assessment: A New Framework and How to Establish It. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2013</b> , 19, 98-117	4.9	5

21	Statistics matter: data aggregation improves identification of community-level effects compared to a commonly used multivariate method. <i>Ecotoxicology</i> , <b>2013</b> , 22, 1516-25	2.9	5
20	Indirect Effects of Pesticides on Mosquito Larvae Via Alterations of Community Structure. <i>Israel Journal of Ecology and Evolution</i> , <b>2010</b> , 56, 433-477	0.8	5
19	Risk Assessment for Birds and Mammals - Revision of Guidance Document under Council Directive 91/414/EEC (SANCO/4145/2000 [final of 25 September 2002]) - Scientific Opinion of the Panel on Plant protection products and their Residues (PPR) on the Science behind the Guidance Document on Risk Assessment for birds and mammals. <i>EFSA Journal</i> , <b>2008</b> , 6, 734	2.3	5
18	20 years SETAC GLB: increasing realism of pesticide risk assessment. <i>Environmental Sciences Europe</i> , <b>2019</b> , 31,	5	4
17	Drivers of pesticide resistance in freshwater amphipods. <i>Science of the Total Environment</i> , <b>2020</b> , 735, 139264	10.2	4
16	Insecticides in agricultural streams exert pressure for adaptation but impair performance in <i>Gammarus pulex</i> at regulatory acceptable concentrations. <i>Science of the Total Environment</i> , <b>2020</b> , 722, 137750	10.2	4
15	Calibration of the SPEARpesticides bioindicator for cost-effective pesticide monitoring in East African streams. <i>Environmental Sciences Europe</i> , <b>2021</b> , 33,	5	4
14	Identification of pesticide exposure-induced metabolic changes in mosquito larvae. <i>Science of the Total Environment</i> , <b>2018</b> , 643, 1533-1541	10.2	3
13	Species occurrence relates to pesticide gradient in streams. <i>Science of the Total Environment</i> , <b>2020</b> , 735, 138807	10.2	2
12	Chemicals in the Environment (CITE). <i>Environmental Sciences Europe</i> , <b>2010</b> , 22, 502-506		2
11	An expert system to estimate the pesticide contamination of small streams using benthic macroinvertebrates as bioindicators: II. The knowledge base of LIMPACT. <i>Ecological Indicators</i> , <b>2002</b> , 2, 239-249	5.8	2
10	. <i>Environmental Toxicology and Chemistry</i> , <b>1999</b> , 18, 194	3.8	2
9	Long-term effects of a catastrophic insecticide spill on stream invertebrates. <i>Science of the Total Environment</i> , <b>2021</b> , 768, 144456	10.2	2
8	Sensitivity ranking for freshwater invertebrates towards hydrocarbon contaminants. <i>Ecotoxicology</i> , <b>2017</b> , 26, 1216-1226	2.9	1
7	Potential developmental neurotoxicity of deltamethrin - Scientific Opinion of the Panel on Plant Protection Products and their Residues (PPR). <i>EFSA Journal</i> , <b>2009</b> , 7, 921	2.3	1
6	Opinion of the Scientific Panel on Plant protection products and their Residues on a request from the Commission on the risks associated with an increase of the MRL for dieldrin on courgettes. <i>EFSA Journal</i> , <b>2007</b> , 5, 554	2.3	1
5	Controlling <i>Culex pipiens</i> : antagonists are more efficient than a neonicotinoid insecticide. <i>Journal of Vector Ecology</i> , <b>2018</b> , 43, 26-35	1.5	1
4	Pesticide-induced metabolic changes are amplified by food stress. <i>Science of the Total Environment</i> , <b>2021</b> , 792, 148350	10.2	1

3	The EU chemicals strategy for sustainability: an opportunity to develop new approaches for hazard and risk assessment.. <i>Archives of Toxicology</i> , <b>2022</b> ,	5.8	1
2	Multiple Stress Reduces the Advantage of Pesticide Adaptation. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 15100-15109	10.3	0
1	LIMPACT: Ein Expertensystem zur Abschätzung der Pflanzenschutzmittel-Belastung kleiner Fließgewässer mittels der Makroinvertebraten-Fauna. <i>Environmental Sciences Europe</i> , <b>2003</b> , 15, 152-156		