Matthias Liess

List of Publications by Year in Descending Order

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	The EU chemicals strategy for sustainability: an opportunity to develop new approaches for hazard and risk assessment.. *Archives of Toxicology*, **2022**,	5.8	1
163	Multiple Stress Reduces the Advantage of Pesticide Adaptation. *Environmental Science & Technology*, **2021**, 55, 15100-15109	10.3	0
162	Calibration of the SPEARpesticides bioindicator for cost-effective pesticide monitoring in East African streams. *Environmental Sciences Europe*, **2021**, 33,	5	4
161	Long-term effects of a catastrophic insecticide spill on stream invertebrates. *Science of the Total Environment*, **2021**, 768, 144456	10.2	2
160	Disentangling multiple chemical and non-chemical stressors in a lotic ecosystem using a longitudinal approach. *Science of the Total Environment*, **2021**, 769, 144324	10.2	7
159	Pesticides are the dominant stressors for vulnerable insects in lowland streams. *Water Research*, **2021**, 201, 117262	12.5	27
158	Small streams-large concentrations? Pesticide monitoring in small agricultural streams in Germany during dry weather and rainfall. *Water Research*, **2021**, 203, 117535	12.5	10
157	Pesticide-induced metabolic changes are amplified by food stress. *Science of the Total Environment*, **2021**, 792, 148350	10.2	1
156	Species occurrence relates to pesticide gradient in streams. *Science of the Total Environment*, **2020**, 735, 138807	10.2	2
155	Drivers of pesticide resistance in freshwater amphipods. *Science of the Total Environment*, **2020**, 735, 139264	10.2	4
154	Assessing the Mixture Effects in Bioassays of Chemicals Occurring in Small Agricultural Streams during Rain Events. *Environmental Science & Technology*, **2020**, 54, 8280-8290	10.3	25
153	Insecticides in agricultural streams exert pressure for adaptation but impair performance in Gammarus pulex at regulatory acceptable concentrations. *Science of the Total Environment*, **2020**, 722, 137750	10.2	4
152	Pesticide pollution in freshwater paves the way for schistosomiasis transmission. *Scientific Reports*, **2020**, 10, 3650	4.9	17
151	Occurrence and risk assessment of organic micropollutants in freshwater systems within the Lake Victoria South Basin, Kenya. *Science of the Total Environment*, **2020**, 714, 136748	10.2	35
150	Modeling the synergistic effects of toxicant mixtures. *Environmental Sciences Europe*, **2020**, 32,	5	9
149	20 years SETAC GLB: increasing realism of pesticide risk assessment. *Environmental Sciences Europe*, **2019**, 31,	5	4
148	Future pesticide risk assessment: narrowing the gap between intention and reality. *Environmental Sciences Europe*, **2019**, 31,	5	47

147	Environmental Stress Increases Synergistic Effects of Pesticide Mixtures on. *Environmental Science & Technology*, **2019**, 53, 12586-12593	10.3	23
146	Predicting low-concentration effects of pesticides. *Scientific Reports*, **2019**, 9, 15248	4.9	10
145	Indication of pesticide effects and recolonization in streams. *Science of the Total Environment*, **2018**, 630, 1619-1627	10.2	37
144	Sequential exposure to low levels of pesticides and temperature stress increase toxicological sensitivity of crustaceans. *Science of the Total Environment*, **2018**, 610-611, 563-569	10.2	22
143	Pesticide Body Burden of the Crustacean Gammarus pulex as a Measure of Toxic Pressure in Agricultural Streams. *Environmental Science & Technology*, **2018**, 52, 7823-7832	10.3	15
142	Identification of pesticide exposure-induced metabolic changes in mosquito larvae. *Science of the Total Environment*, **2018**, 643, 1533-1541	10.2	3
141	Call to restrict neonicotinoids. *Science*, **2018**, 360, 973	33.3	29
140	Adaptation of Gammarus pulex to agricultural insecticide contamination in streams. *Science of the Total Environment*, **2018**, 621, 479-485	10.2	16
139	Controlling Culex pipiens: antagonists are more efficient than a neonicotinoid insecticide. *Journal of Vector Ecology*, **2018**, 43, 26-35	1.5	1
138	The Bode hydrological observatory: a platform for integrated, interdisciplinary hydro-ecological research within the TERENO Harz/Central German Lowland Observatory. *Environmental Earth Sciences*, **2017**, 76, 1	2.9	65
137	Pesticides from wastewater treatment plant effluents affect invertebrate communities. *Science of the Total Environment*, **2017**, 599-600, 387-399	10.2	98
136	Do drivers of biodiversity change differ in importance across marine and terrestrial systems - Or is it just different research communities' perspectives?. *Science of the Total Environment*, **2017**, 574, 191-203	10.2	25
135	Metal toxicity affects predatory stream invertebrates less than other functional feeding groups. *Environmental Pollution*, **2017**, 227, 505-512	9.3	17
134	Realistic pesticide exposure through water and food amplifies long-term effects in a Limnephilid caddisfly. *Science of the Total Environment*, **2017**, 580, 1439-1445	10.2	9
133	Species at Risk (SPEAR) index indicates effects of insecticides on stream invertebrate communities in soy production regions of the Argentine Pampas. *Science of the Total Environment*, **2017**, 580, 699-709	10.2	32
132	Do Riparian Buffers Protect Stream Invertebrate Communities in South American Atlantic Forest Agricultural Areas?. *Environmental Management*, **2017**, 60, 1155-1170	3.1	14
131	Sensitivity ranking for freshwater invertebrates towards hydrocarbon contaminants. *Ecotoxicology*, **2017**, 26, 1216-1226	2.9	1
130	Species Diversity Hinders Adaptation to Toxicants. *Environmental Science & Technology*, **2017**, 51, 10195-10202	10.3	16

129	Stream invertebrate community structure at Canadian oil sands development is linked to concentration of bitumen-derived contaminants. *Science of the Total Environment*, **2017**, 575, 1005-1013	10.2	23
128	Predicting the synergy of multiple stress effects. *Scientific Reports*, **2016**, 6, 32965	4.9	125
127	Modeling Macroinvertebrate Community Dynamics in Stream Mesocosms Contaminated with a Pesticide. *Environmental Science & Technology*, **2016**, 50, 3165-73	10.3	13
126	Community dynamics under environmental change: How can next generation mechanistic models improve projections of species distributions?. *Ecological Modelling*, **2016**, 326, 63-74	3	52
125	Neonicotinoid contamination of global surface waters and associated risk to aquatic invertebrates: a review. *Environment International*, **2015**, 74, 291-303	12.9	638
124	Effects of neonicotinoids and fipronil on non-target invertebrates. *Environmental Science and Pollution Research*, **2015**, 22, 68-102	5.1	465
123	Recovery of aquatic and terrestrial populations in the context of European pesticide risk assessment. *Environmental Reviews*, **2015**, 23, 382-394	4.5	18
122	Biotic interactions govern genetic adaptation to toxicants. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20150071	4.4	18
121	Analysing chemical-induced changes in macroinvertebrate communities in aquatic mesocosm experiments: a comparison of methods. *Ecotoxicology*, **2015**, 24, 760-9	2.9	20
120	Forested headwaters mitigate pesticide effects on macroinvertebrate communities in streams: Mechanisms and quantification. *Science of the Total Environment*, **2015**, 524-525, 115-23	10.2	38
119	Pesticide impact on aquatic invertebrates identified with Chemcatcher passive samplers and the SPEAR(pesticides) index. *Science of the Total Environment*, **2015**, 537, 69-80	10.2	41
118	Systemic insecticides (neonicotinoids and fipronil): trends, uses, mode of action and metabolites. *Environmental Science and Pollution Research*, **2015**, 22, 5-34	5.1	839
117	Scientific Opinion addressing the state of the science on risk assessment of plant protection products for non-target arthropods. *EFSA Journal*, **2015**, 13, 3996	2.3	39
116	Scientific Opinion on the effect assessment for pesticides on sediment organisms in edge-of-field surface water. *EFSA Journal*, **2015**, 13, 4176	2.3	21
115	Modeling global distribution of agricultural insecticides in surface waters. *Environmental Pollution*, **2015**, 198, 54-60	9.3	73
114	Environmental fate and exposure; neonicotinoids and fipronil. *Environmental Science and Pollution Research*, **2015**, 22, 35-67	5.1	636
113	Competition matters: species interactions prolong the long-term effects of pulsed toxicant stress on populations. *Environmental Toxicology and Chemistry*, **2014**, 33, 1458-65	3.8	14
112	Environmental stressors can enhance the development of community tolerance to a toxicant. *Ecotoxicology*, **2014**, 23, 1690-700	2.9	5

111	Landscape parameters driving aquatic pesticide exposure and effects. *Environmental Pollution*, **2014**, 186, 90-7	9.3	35
110	Do predictions from Species Sensitivity Distributions match with field data?. *Environmental Pollution*, **2014**, 189, 126-33	9.3	38
109	Temporal and spatial habitat preferences and biotic interactions between mosquito larvae and antagonistic crustaceans in the field. *Journal of Vector Ecology*, **2014**, 39, 103-11	1.5	8
108	Competition impedes the recovery of Daphnia magna from repeated insecticide pulses. *Aquatic Toxicology*, **2014**, 147, 26-31	5.1	7
107	Culmination of low-dose pesticide effects. *Environmental Science & Technology*, **2013**, 47, 8862-8	10.3	63
106	Sediment Toxicity Testing for Prospective Risk Assessment: A New Framework and How to Establish It. *Human and Ecological Risk Assessment (HERA)*, **2013**, 19, 98-117	4.9	5
105	Statistics matter: data aggregation improves identification of community-level effects compared to a commonly used multivariate method. *Ecotoxicology*, **2013**, 22, 1516-25	2.9	5
104	Pesticides reduce regional biodiversity of stream invertebrates. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11039-43	11.5	420
103	Effects of organic pollutants from wastewater treatment plants on aquatic invertebrate communities. *Water Research*, **2013**, 47, 597-606	12.5	62
102	Combined and interactive effects of global climate change and toxicants on populations and communities. *Environmental Toxicology and Chemistry*, **2013**, 32, 49-61	3.8	213
101	Two stressors and a community: effects of hydrological disturbance and a toxicant on freshwater zooplankton. *Aquatic Toxicology*, **2013**, 127, 9-20	5.1	23
100	Elevated temperature prolongs long-term effects of a pesticide on Daphnia spp. due to altered competition in zooplankton communities. *Global Change Biology*, **2013**, 19, 1598-609	11.4	17
99	How to characterize chemical exposure to predict ecologic effects on aquatic communities?. *Environmental Science & Technology*, **2013**, 47, 7996-8004	10.3	56
98	Crustacean biodiversity as an important factor for mosquito larval control. *Journal of Vector Ecology*, **2013**, 38, 390-400	1.5	6
97	Sustainable control of mosquito larvae in the field by the combined actions of the biological insecticide Bti and natural competitors. *Journal of Vector Ecology*, **2013**, 38, 82-9	1.5	17
96	Scientific Opinion on the report of the FOCUS groundwater working group (FOCUS, 2009): assessment of higher tiers. *EFSA Journal*, **2013**, 11, 3291	2.3	8
95	Guidance on tiered risk assessment for plant protection products for aquatic organisms in edge-of-field surface waters. *EFSA Journal*, **2013**, 11, 3290	2.3	326
94	Towards a renewed research agenda in ecotoxicology. *Environmental Pollution*, **2012**, 160, 201-6	9.3	65

93	Ecotoxicology and macroecology--time for integration. *Environmental Pollution*, **2012**, 162, 247-54	9.3	90
92	Development of a framework based on an ecosystem services approach for deriving specific protection goals for environmental risk assessment of pesticides. *Science of the Total Environment*, **2012**, 415, 31-8	10.2	131
91	Making ecosystem reality checks the status quo. *Environmental Toxicology and Chemistry*, **2012**, 31, 459-68	3.8	21
90	Rebuttal related to Traits and Stress: Keys to identify community effects of low levels of toxicants in test systems by Liess and Beketov (2011). *Ecotoxicology*, **2012**, 21, 300-303	2.9	10
89	Risk assessment of episodic exposures to chemicals should consider both the physiological and the ecological sensitivities of species. *Science of the Total Environment*, **2012**, 441, 213-9	10.2	8
88	Competition increases toxicant sensitivity and delays the recovery of two interacting populations. *Aquatic Toxicology*, **2012**, 106-107, 25-31	5.1	49
87	Automated Nanocosm test system to assess the effects of stressors on two interacting populations. *Aquatic Toxicology*, **2012**, 109, 243-9	5.1	11
86	Intraspecific competition increases toxicant effects in outdoor pond microcosms. *Ecotoxicology*, **2012**, 21, 1857-66	2.9	37
85	Thresholds for the effects of pesticides on invertebrate communities and leaf breakdown in stream ecosystems. *Environmental Science & Technology*, **2012**, 46, 5134-42	10.3	190
84	Interspecific competition delays recovery of Daphnia spp. populations from pesticide stress. *Ecotoxicology*, **2012**, 21, 1039-49	2.9	34
83	Evaluation of Exposure Metrics for Effect Assessment of Soil Invertebrates. *Critical Reviews in Environmental Science and Technology*, **2012**, 42, 1862-1893	11.1	44
82	Climate change, agricultural insecticide exposure, and risk for freshwater communities **2011**, 21, 2068-81		93
81	Effects of the pyrethroid fenvalerate on the alarm response and on the vulnerability of the mosquito larva Culex pipiens molestus to the predator Notonecta glauca. *Aquatic Toxicology*, **2011**, 104, 56-60	5.1	17
80	Environmental context determines community sensitivity of freshwater zooplankton to a pesticide. *Aquatic Toxicology*, **2011**, 104, 116-24	5.1	35
79	Occurrence and toxicity of 331 organic pollutants in large rivers of north Germany over a decade (1994 to 2004). *Environmental Science & Technology*, **2011**, 45, 6167-74	10.3	66
78	The potential of cladocerans as controphic competitors of the mosquito Culex pipiens. *Journal of Medical Entomology*, **2011**, 48, 554-60	2.2	20
77	A trait database of stream invertebrates for the ecological risk assessment of single and combined effects of salinity and pesticides in South-East Australia. *Science of the Total Environment*, **2011**, 409, 2055-63	10.2	100
76	Modelling aquatic exposure and effects of insecticides--application to south-eastern Australia. *Science of the Total Environment*, **2011**, 409, 2807-14	10.2	19

75	Traits and stress: keys to identify community effects of low levels of toxicants in test systems. *Ecotoxicology*, **2011**, 20, 1328-40	2.9	109
74	Ultraviolet radiation increases sensitivity to pesticides: synergistic effects on population growth rate of Daphnia magna at low concentrations. *Bulletin of Environmental Contamination and Toxicology*, **2011**, 87, 231-7	2.7	11
73	Traits-based approaches in bioassessment and ecological risk assessment: strengths, weaknesses, opportunities and threats. *Integrated Environmental Assessment and Management*, **2011**, 7, 198-208	2.5	68
72	Intraspecific competition delays recovery of population structure. *Aquatic Toxicology*, **2010**, 97, 15-22	5.1	54
71	Short-term disturbance of a grazer has long-term effects on bacterial communities--relevance of trophic interactions for recovery from pesticide effects. *Aquatic Toxicology*, **2010**, 99, 205-11	5.1	14
70	Indirect Effects of Pesticides on Mosquito Larvae Via Alterations of Community Structure. *Israel Journal of Ecology and Evolution*, **2010**, 56, 433-477	0.8	5
69	Chemicals in the Environment (CITE). *Environmental Sciences Europe*, **2010**, 22, 502-506		2
68	Influence of competing and predatory invertebrate taxa on larval populations of mosquitoes in temporary ponds of wetland areas in Germany. *Journal of Vector Ecology*, **2010**, 35, 419-27	1.5	12
67	A similarity-index-based method to estimate chemical concentration limits protective for ecological communities. *Environmental Toxicology and Chemistry*, **2010**, 29, 2123-31	3.8	16
66	What environmental factors are important determinants of structure, species richness, and abundance of mosquito assemblages?. *Journal of Medical Entomology*, **2010**, 47, 129-39	2.2	10
65	SPEAR indicates pesticide effects in streams--comparative use of species- and family-level biomonitoring data. *Environmental Pollution*, **2009**, 157, 1841-8	9.3	81
64	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. *EFSA Journal*, **2009**, 7, 1167	2.3	68
63	Potential developmental neurotoxicity of deltamethrin - Scientific Opinion of the Panel on Plant Protection Products and their Residues (PPR). *EFSA Journal*, **2009**, 7, 921	2.3	1
62	The footprint of pesticide stress in communities--species traits reveal community effects of toxicants. *Science of the Total Environment*, **2008**, 406, 484-90	10.2	148
61	Long-term stream invertebrate community alterations induced by the insecticide thiacloprid: effect concentrations and recovery dynamics. *Science of the Total Environment*, **2008**, 405, 96-108	10.2	102
60	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. *Water Research*, **2008**, 42, 2707-17	12.5	59
59	Calibration of the Chemcatcher passive sampler for monitoring selected polar and semi-polar pesticides in surface water. *Environmental Pollution*, **2008**, 155, 52-60	9.3	66
58	An indicator for effects of organic toxicants on lotic invertebrate communities: Independence of confounding environmental factors over an extensive river continuum. *Environmental Pollution*, **2008**, 156, 980-7	9.3	52

57	Variability of pesticide exposure in a stream mesocosm system: macrophyte-dominated vs. non-vegetated sections. *Environmental Pollution*, **2008**, 156, 1364-7	9.3	29
56	Determination of 10 particle-associated multiclass polar and semi-polar pesticides from small streams using accelerated solvent extraction. *Chemosphere*, **2008**, 70, 1952-60	8.4	14
55	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. *EFSA Journal*, **2008**, 6, 734	2.3	5
54	Potential of 11 pesticides to initiate downstream drift of stream macroinvertebrates. *Archives of Environmental Contamination and Toxicology*, **2008**, 55, 247-53	3.2	113
53	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. *Journal of Chromatography A*, **2008**, 1203, 1-6	4.5	45
52	Acute and delayed effects of the neonicotinoid insecticide thiacloprid on seven freshwater arthropods. *Environmental Toxicology and Chemistry*, **2008**, 27, 461-70	3.8	154
51	Water quality indices across Europe--a comparison of the good ecological status of five river basins. *Journal of Environmental Monitoring*, **2007**, 9, 970-8		55
50	Effects of pesticides on community structure and ecosystem functions in agricultural streams of three biogeographical regions in Europe. *Science of the Total Environment*, **2007**, 382, 272-85	10.2	292
49	Mapping ecological risk of agricultural pesticide runoff. *Science of the Total Environment*, **2007**, 384, 264-79	10.2	68
48	Agricultural intensity and landscape structure: influences on the macroinvertebrate assemblages of small streams in northern Germany. *Environmental Toxicology and Chemistry*, **2007**, 26, 346-57	3.8	42
47	In situ-based effects measures: determining the ecological relevance of measured responses. *Integrated Environmental Assessment and Management*, **2007**, 3, 259-67	2.5	68
46	Estimating pesticide runoff in small streams. *Chemosphere*, **2007**, 68, 2161-71	8.4	52
45	Predation risk perception and food scarcity induce alterations of life-cycle traits of the mosquito Culex pipiens. *Ecological Entomology*, **2007**, 32, 405-410	2.1	65
44	Opinion of the Scientific Panel on Plant protection products and their Resi-dues on a request from the Commission on the risks associated with an in-crease of the MRL for dieldrin on courgettes. *EFSA Journal*, **2007**, 5, 554	2.3	1
43	Population developmental stage determines the recovery potential of Daphnia magna populations after fenvalerate application. *Environmental Science & Technology*, **2006**, 40, 6157-62	10.3	18
42	Maternal nutritional state determines the sensitivity of Daphnia magna offspring to short-term Fenvalerate exposure. *Aquatic Toxicology*, **2006**, 76, 268-77	5.1	50
41	The use of image analysis to estimate population growth rate in Daphnia magna. *Journal of Applied Ecology*, **2006**, 43, 828-834	5.8	20
40	The influence of predation on the chronic response of Artemia sp. populations to a toxicant. *Journal of Applied Ecology*, **2006**, 43, 1069-1074	5.8	44

39	Effects of the organophosphate paraoxon-methyl on survival and reproduction of Daphnia magna: importance of exposure duration and recovery. *Environmental Toxicology and Chemistry*, **2006**, 25, 1196-9	3.8	23
38	Linking feeding activity and maturation of Daphnia magna following short-term exposure to fenvalerate. *Environmental Toxicology and Chemistry*, **2006**, 25, 1826-30	3.8	32
37	Long-term signal of population disturbance after pulse exposure to an insecticide: rapid recovery of abundance, persistent alteration of structure. *Environmental Toxicology and Chemistry*, **2006**, 25, 1326-31	3.8	40
36	A comparison of predicted and measured levels of runoff-related pesticide concentrations in small lowland streams on a landscape level. *Chemosphere*, **2005**, 58, 683-91	8.4	135
35	Linking land use variables and invertebrate taxon richness in small and medium-sized agricultural streams on a landscape level. *Ecotoxicology and Environmental Safety*, **2005**, 60, 140-6	7	24
34	Structural alerts--a new classification model to discriminate excess toxicity from narcotic effect levels of organic compounds in the acute daphnid assay. *Chemical Research in Toxicology*, **2005**, 18, 536-55	4	155
33	Analyzing effects of pesticides on invertebrate communities in streams. *Environmental Toxicology and Chemistry*, **2005**, 24, 954-65	3.8	499
32	Influence of duration of exposure to the pyrethroid fenvalerate on sublethal responses and recovery of Daphnia magna straus. *Environmental Toxicology and Chemistry*, **2005**, 24, 1160-4	3.8	42
31	Acute contamination with esfenvalerate and food limitation: chronic effects on the mayfly, Cloeon dipterum. *Environmental Toxicology and Chemistry*, **2005**, 24, 1281-6	3.8	73
30	Influence of food limitation on the effects of fenvalerate pulse exposure on the life history and population growth rate of Daphnia magna. *Environmental Toxicology and Chemistry*, **2005**, 24, 2254-9	3.8	35
29	Relative sensitivity distribution of aquatic invertebrates to organic and metal compounds. *Environmental Toxicology and Chemistry*, **2004**, 23, 150-6	3.8	157
28	Sub-lethal effects of metal exposure: physiological and behavioural responses of the estuarine bivalve Macoma balthica. *Marine Environmental Research*, **2004**, 58, 245-50	3.3	60
27	LIMPACT: Ein Expertensystem zur Abschtzung der Pflanzenschutzmittel-Belastung kleiner Fliegewsser mittels der Makroinvertebraten-Fauna. *Environmental Sciences Europe*, **2003**, 15, 152-156		
26	Pesticide peak discharge from wastewater treatment plants into streams during the main period of insecticide application: ecotoxicological evaluation in comparison to runoff. *Bulletin of Environmental Contamination and Toxicology*, **2003**, 70, 891-7	2.7	21
25	A qualitative sampling method for monitoring water quality in temporary channels or point sources and its application to pesticide contamination. *Chemosphere*, **2003**, 51, 509-13	8.4	29
24	Bioaccumulation of trace metals in the Antarctic amphipod Paramoera walkeri (Stebbing, 1906): comparison of two-compartment and hyperbolic toxicokinetic models. *Aquatic Toxicology*, **2003**, 65, 117-40	5.1	27
23	An expert system to estimate the pesticide contamination of small streams using benthic macroinvertebrates as bioindicators. *Ecological Indicators*, **2003**, 2, 379-389	5.8	9
22	An expert system to estimate the pesticide contamination of small streams using benthic macroinvertebrates as bioindicators II. The knowledge base of LIMPACT. *Ecological Indicators*, **2003**, 2, 391-401	5.8	15

21	Increased sensitivity of the macroinvertebrate Paramorea walkeri to heavy-metal contamination in the presence of solar UV radiation in Antarctic shoreline waters. *Marine Ecology - Progress Series*, **2003**, 255, 183-191	2.6	31
20	Population response to toxicants is altered by intraspecific interaction. *Environmental Toxicology and Chemistry*, **2002**, 21, 138-142	3.8	92
19	Runoff-Related Pesticide Input into the Lourens River, South Africa: Basic Data for Exposure Assessment and Risk Mitigation at the Catchment Scale. *Water, Air, and Soil Pollution*, **2002**, 135, 265-283	2.6	76
18	The significance of entry routes as point and non-point sources of pesticides in small streams. *Water Research*, **2002**, 36, 835-42	12.5	132
17	An expert system to estimate the pesticide contamination of small streams using benthic macroinvertebrates as bioindicators: II. The knowledge base of LIMPACT. *Ecological Indicators*, **2002**, 2, 239-249	5.8	2
16	Acute and chronic effects of particle-associated fenvalerate on stream macroinvertebrates: a runoff simulation study using outdoor microcosms. *Archives of Environmental Contamination and Toxicology*, **2001**, 40, 481-8	3.2	26
15	Runoff simulation with particle-bound fenvalerate in multispecies stream microcosms: Importance of biological interactions. *Environmental Toxicology and Chemistry*, **2001**, 20, 757-762	3.8	30
14	Effects of parathion on acetylcholinesterase, butyrylcholinesterase, and carboxylesterase in three-spined stickleback (Gasterosteus aculeatus) following short-term exposure. *Environmental Toxicology and Chemistry*, **2001**, 20, 1528-1531	3.8	40
13	Combined effects of ultraviolet-B radiation and food shortage on the sensitivity of the Antarctic amphipod Paramoera walkeri to copper. *Environmental Toxicology and Chemistry*, **2001**, 20, 2088-92	3.8	53
12	Effects of the hormone mimetic insecticide tebufenozide on Chironomus riparius larvae in two different exposure setups. *Ecotoxicology and Environmental Safety*, **2001**, 49, 171-8	7	39
11	Effects of chronic ammonium and nitrite contamination on the macroinvertebrate community in running water microcosms. *Water Research*, **2001**, 35, 3478-82	12.5	34
10	Effects of contaminants in the Antarctic environment - potential of the gammarid amphipod crustacean Paramorea walkeri as a biological indicator for Antarctic ecosystems based on toxicity and bioacccumulation of copper and cadmium. *Aquatic Toxicology*, **2000**, 49, 131-143	5.1	49
9	Toxicity of fenvalerate to caddisfly larvae: chronic effects of 1- vs 10-h pulse-exposure with constant doses. *Chemosphere*, **2000**, 41, 1511-7	8.4	50
8	. *Environmental Toxicology and Chemistry*, **2000**, 19, 1607	3.8	13
7	A field study of the effects of agriculturally derived insecticide input on stream macroinvertebrate dynamics. *Aquatic Toxicology*, **1999**, 46, 155-176	5.1	138
6	Determination of insecticide contamination in agricultural headwater streams. *Water Research*, **1999**, 33, 239-247	12.5	163
5	. *Environmental Toxicology and Chemistry*, **1999**, 18, 194	3.8	2
4	A qualitative field method for monitoring pesticides in the edge-of-field runoff. *Chemosphere*, **1998**, 36, 3071-82	8.4	44

3	A method for monitoring pesticides bound to suspended particles in small streams. *Chemosphere*, **1996**, 32, 1963-1969	8.4	46
2	Chronic effects of short-term contamination with the pyrethroid insecticide fenvalerate on the caddisfly Limnephilus lunatus. *Hydrobiologia*, **1996**, 324, 99-106	2.4	47
1	Chronic effects of low insecticide concentrations on freshwater caddisfly larvae. *Hydrobiologia*, **1995**, 299, 103-113	2.4	30