

Lorraine L Maltby

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.

118
papers

5,345
citations

42
h-index

71
g-index

129
ext. papers

5,849
ext. citations

5.9
avg, IF

5.62
L-index

#	Paper	IF	Citations
118	Integrating life cycle assessment and environmental risk assessment: A critical review. <i>Journal of Cleaner Production</i> , 2021 , 293, 126120	10.3	8
117	Cross-species extrapolation of chemical sensitivity. <i>Science of the Total Environment</i> , 2021 , 753, 141800	10.2	8
116	Assessing chemical risk within an ecosystem services framework: Implementation and added value. <i>Science of the Total Environment</i> , 2021 , 791, 148631	10.2	3
115	The use of ecological models to assess the effects of a plant protection product on ecosystem services provided by an orchard. <i>Science of the Total Environment</i> , 2021 , 798, 149329	10.2	1
114	Impacts of hydrological restoration on lowland river floodplain plant communities. <i>Wetlands Ecology and Management</i> , 2020 , 28, 403-417	2.1	2
113	Heterogeneity in Ecosystem Service Values: Linking Public Perceptions and Environmental Policies. <i>Sustainability</i> , 2020 , 12, 1217	3.6	1
112	Applying ecosystem services for pre-market environmental risk assessments of regulated stressors. <i>EFSA Journal</i> , 2019 , 17, e170705	2.3	4
111	Trace elements exposure of endangered crested ibis (<i>Nipponia nippon</i>) under in situ and ex situ conservations. <i>Environmental Pollution</i> , 2019 , 253, 800-810	9.3	3
110	Priorities and opportunities in the application of the ecosystem services concept in risk assessment for chemicals in the environment. <i>Science of the Total Environment</i> , 2019 , 651, 1067-1077	10.2	20
109	Impacts of habitat heterogeneity on the provision of multiple ecosystem services in a temperate floodplain. <i>Basic and Applied Ecology</i> , 2018 , 29, 32-43	3.2	10
108	Environmental toxicants impair liver and kidney function and sperm quality of captive pandas. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 162, 218-224	7	8
107	Toward sustainable environmental quality: Priority research questions for Europe. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2281-2295	3.8	68
106	Advantages and challenges associated with implementing an ecosystem services approach to ecological risk assessment for chemicals. <i>Science of the Total Environment</i> , 2018 , 621, 1342-1351	10.2	23
105	Ecosystem services, environmental stressors, and decision making: How far have we got?. <i>Integrated Environmental Assessment and Management</i> , 2017 , 13, 38-40	2.5	9
104	Toward the definition of specific protection goals for the environmental risk assessment of chemicals: A perspective on environmental regulation in Europe. <i>Integrated Environmental Assessment and Management</i> , 2017 , 13, 17-37	2.5	15
103	Is an ecosystem services-based approach developed for setting specific protection goals for plant protection products applicable to other chemicals?. <i>Science of the Total Environment</i> , 2017 , 580, 1222-1236	10.2	17
102	Awareness of greater numbers of ecosystem services affects preferences for floodplain management. <i>Ecosystem Services</i> , 2017 , 24, 138-146	6.1	16

101	Conservation efforts of captive golden takin (<i>Budorcas taxicolor bedfordi</i>) are potentially compromised by the elevated chemical elements exposure. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 143, 72-79	7	5
100	Shifts of community composition and population density substantially affect ecosystem function despite invariant richness. <i>Ecology Letters</i> , 2017 , 20, 1315-1324	10	44
99	Riparian thermal conditions across a mixed rural and urban landscape. <i>Applied Geography</i> , 2017 , 87, 106-114	11.4	3
98	Identifying and assessing the application of ecosystem services approaches in environmental policies and decision making. <i>Integrated Environmental Assessment and Management</i> , 2017 , 13, 41-51	2.5	22
97	Advancing environmental risk assessment of regulated products under EFSA's remit. <i>EFSA Journal</i> , 2016 , 14, e00508	2.3	8
96	Food production, ecosystem services and biodiversity: We can't have it all everywhere. <i>Science of the Total Environment</i> , 2016 , 573, 1422-1429	10.2	56
95	Prioritising ecosystem services in Chinese rural and urban communities. <i>Ecosystem Services</i> , 2016 , 21, 1-5	6.1	20
94	Captive pandas are at risk from environmental toxins. <i>Frontiers in Ecology and the Environment</i> , 2016 , 14, 363-367	5.5	20
93	Phenological responses of ash (<i>Fraxinus excelsior</i>) and sycamore (<i>Acer pseudoplatanus</i>) to riparian thermal conditions. <i>Urban Forestry and Urban Greening</i> , 2016 , 16, 95-102	5.4	5
92	Reintroducing Environmental Change Drivers in Biodiversity-Ecosystem Functioning Research. <i>Trends in Ecology and Evolution</i> , 2016 , 31, 905-915	10.9	71
91	Highway increases concentrations of toxic metals in giant panda habitat. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 21262-21272	5.1	15
90	Exposure of the endangered golden monkey (<i>Rhinopithecus roxellana</i>) to heavy metals: a comparison of wild and captive animals. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 6713-20 ^{5.1}	5.1	8
89	Gammarids as Reference Species for Freshwater Monitoring 2015 , 253-280		14
88	An ecosystem services approach to pesticide risk assessment and risk management of non-target terrestrial plants: recommendations from a SETAC Europe workshop. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2350-5	5.1	7
87	Spatial variation in the impact of dragonflies and debris on recreational ecosystem services in a floodplain wetland. <i>Ecosystem Services</i> , 2015 , 15, 113-121	6.1	13
86	Understanding spatial patterns in the production of multiple urban ecosystem services. <i>Ecosystem Services</i> , 2015 , 16, 33-46	6.1	69
85	Historical influences on the current provision of multiple ecosystem services. <i>Global Environmental Change</i> , 2015 , 31, 307-317	10.1	60
84	Acute tier-1 and tier-2 effect assessment approaches in the EFSA Aquatic Guidance Document: are they sufficiently protective for insecticides?. <i>Pest Management Science</i> , 2015 , 71, 1059-67	4.6	27

83	Quantifying preferences for the natural world using monetary and nonmonetary assessments of value. <i>Conservation Biology</i> , 2014 , 28, 404-13	6	34
82	European water voles in a reconnected lowland river floodplain: habitat preferences and distribution patterns following the restoration of flooding. <i>Wetlands Ecology and Management</i> , 2014 , 22, 539-549	2.1	6
81	Assessing effects of the fungicide tebuconazole to heterotrophic microbes in aquatic microcosms. <i>Science of the Total Environment</i> , 2014 , 490, 1002-11	10.2	45
80	What personal and environmental factors determine frequency of urban greenspace use?. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 7977-92	4.6	56
79	Mainstreaming ecosystem services into decision making. <i>Frontiers in Ecology and the Environment</i> , 2014 , 12, 539-539	5.5	14
78	Species turnover and geographic distance in an urban river network. <i>Diversity and Distributions</i> , 2013 , 19, 1429-1439	5	62
77	Ecosystem services and the protection, restoration, and management of ecosystems exposed to chemical stressors. <i>Environmental Toxicology and Chemistry</i> , 2013 , 32, 974-83	3.8	26
76	Ecosystem services: from policy to practice. <i>Integrated Environmental Assessment and Management</i> , 2013 , 9, 211-3	2.5	8
75	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> , 2012 , 415, 31-8	10.2	131
74	Contrasting patterns in species richness of birds, butterflies and plants along riparian corridors in an urban landscape. <i>Diversity and Distributions</i> , 2012 , 18, 742-753	5	77
73	Biodiversity and the Feel-Good Factor: Understanding Associations between Self-Reported Human Well-being and Species Richness. <i>BioScience</i> , 2012 , 62, 47-55	5.7	405
72	Effects of the fungicide metiram in outdoor freshwater microcosms: responses of invertebrates, primary producers and microbes. <i>Ecotoxicology</i> , 2012 , 21, 1550-69	2.9	24
71	Fungal composition on leaves explains pollutant-mediated indirect effects on amphipod feeding. <i>Aquatic Toxicology</i> , 2011 , 104, 32-7	5.1	85
70	Environmental impact propagated by cross-system subsidy: chronic stream pollution controls riparian spider populations. <i>Ecology</i> , 2011 , 92, 1711-6	4.6	62
69	A framework for assessing ecological quality based on ecosystem services. <i>Ecological Complexity</i> , 2010 , 7, 273-281	2.6	102
68	AMEG: the new SETAC advisory group on aquatic macrophyte ecotoxicology. <i>Environmental Science and Pollution Research</i> , 2010 , 17, 820-3	5.1	15
67	Sublethal effects and predator-prey interactions: implications for ecological risk assessment. <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 2449-57	3.8	38
66	Fungicide risk assessment for aquatic ecosystems: importance of interspecific variation, toxic mode of action, and exposure regime. <i>Environmental Science & Technology</i> , 2009 , 43, 7556-63	10.3	161

65	Importance of prey and predator feeding behaviors for trophic transfer and secondary poisoning. <i>Environmental Science & Technology</i> , 2009 , 43, 7916-23	10.3	15
64	Spray drift of pesticides and stream macroinvertebrates: experimental evidence of impacts and effectiveness of mitigation measures. <i>Environmental Pollution</i> , 2008 , 156, 1112-20	9.3	34
63	Mixture Extrapolation Approaches 2008 , 187-222		6
62	Spatial Extrapolation in Ecological Effect Assessment of Chemicals 2008 , 223-256		4
61	Variation in the bioaccumulation of a sediment-sorbed hydrophobic compound by benthic macroinvertebrates: patterns and mechanisms. <i>Environmental Science & Technology</i> , 2007 , 41, 1783-9	10.3	26
60	Comparison of tropical and temperate freshwater animal species' acute sensitivities to chemicals: Implications for deriving safe extrapolation factors. <i>Integrated Environmental Assessment and Management</i> , 2007 , 3, 49-67	2.5	137
59	Characterizing sediment acid volatile sulfide concentrations in European streams. <i>Environmental Toxicology and Chemistry</i> , 2007 , 26, 1-12	3.8	40
58	Summary and recommendations from a SETAC Pellston Workshop on in situ measures of ecological effects. <i>Integrated Environmental Assessment and Management</i> , 2007 , 3, 275-8	2.5	8
57	In situ-based effects measures: determining the ecological relevance of measured responses. <i>Integrated Environmental Assessment and Management</i> , 2007 , 3, 259-67	2.5	68
56	Getting a measure of nature: cultures and values in an ecosystem services approach. <i>Interdisciplinary Science Reviews</i> , 2007 , 32, 249-262	0.7	15
55	Comparison of tropical and temperate freshwater animal species' acute sensitivities to chemicals: Implications for deriving safe extrapolation factors 2007 , 3, 49		2
54	Aquatic risks of pesticides, ecological protection goals, and common aims in european union legislation. <i>Integrated Environmental Assessment and Management</i> , 2006 , 2, e20-e46	2.5	118
53	Predictive Value of Species Sensitivity Distributions for Effects of Herbicides in Freshwater Ecosystems. <i>Human and Ecological Risk Assessment (HERA)</i> , 2006 , 12, 645-674	4.9	117
52	Relative toxicological importance of aqueous and dietary metal exposure to a freshwater crustacean: implications for risk assessment. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 1795-807	3.8	49
51	Insecticide species sensitivity distributions: importance of test species selection and relevance to aquatic ecosystems. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 379-88	3.8	308
50	Spatial and temporal variability in the structure of invertebrate assemblages in control stream mesocosms. <i>Water Research</i> , 2004 , 38, 128-38	12.5	12
49	Multivariate analyses of invertebrate community responses to a C12-15 AE-3S anionic surfactant in stream mesocosms. <i>Aquatic Toxicology</i> , 2003 , 62, 105-17	5.1	5
48	Evaluation of the <i>Gammarus pulex</i> in situ feeding assay as a biomonitor of water quality: Robustness, responsiveness, and relevance. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 361-368	3.8	203

47	Anaerobic capacity of a crustacean sensitive to low environmental oxygen tensions, the freshwater amphipod <i>Gammarus pulex</i> (L.). <i>Hydrobiologia</i> , 2002 , 477, 189-194	2.4	12
46	. <i>Environmental Toxicology and Chemistry</i> , 2002 , 21, 361	3.8	91
45	Use of a Monoclonal Antibody-Based Immunoassay for the Detection and Quantification of <i>Heliscus lugdunensis</i> Colonizing Alder Leaves and Roots. <i>Microbial Ecology</i> , 2001 , 42, 506-512	4.4	11
44	Using single-species toxicity tests, community-level responses, and toxicity identification evaluations to investigate effluent impacts. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 151-157	3.8	62
43	Evaluation of sensitivity and specificity of two crustacean biochemical biomarkers. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 2085-2092	3.8	112
42	Toward a mechanistic understanding of contaminant-induced changes in detritus processing in streams: Direct and indirect effects on detritivore feeding. <i>Environmental Toxicology and Chemistry</i> , 2000 , 19, 2100-2106	3.8	97
41	Evaluation of sensitivity and specificity of two crustacean biochemical biomarkers 2000 , 19, 2085		6
40	Toward a mechanistic understanding of contaminant-induced changes in detritus processing in streams: Direct and indirect effects on detritivore feeding 2000 , 19, 2100		4
39	STUDYING STRESS: THE IMPORTANCE OF ORGANISM-LEVEL RESPONSES 1999 , 9, 431-440		154
38	Effect of water-borne zinc on osmoregulation in the freshwater amphipod <i>Gammarus pulex</i> (L.) from populations that differ in their sensitivity to metal stress. <i>Functional Ecology</i> , 1998 , 12, 242-247	5.6	11
37	The effects of motorway runoff on freshwater ecosystems: 3. Toxicant confirmation. <i>Archives of Environmental Contamination and Toxicology</i> , 1997 , 33, 9-16	3.2	57
36	Use of Immunoassays for the Study of Natural Assemblages of Aquatic Hyphomycetes. <i>Microbial Ecology</i> , 1997 , 33, 223-9	4.4	29
35	Effects of a Coal Mine Effluent on Aquatic Hyphomycetes. I. Field Study. <i>Journal of Applied Ecology</i> , 1996 , 33, 1311	5.8	33
34	A simple indoor artificial stream system designed to study the effects of toxicant pulses on aquatic organisms. <i>Water Research</i> , 1996 , 30, 285-290	12.5	7
33	Effects of a Coal Mine Effluent on Aquatic Hyphomycetes. II. Laboratory Toxicity Experiments. <i>Journal of Applied Ecology</i> , 1996 , 33, 1322	5.8	12
32	Monoclonal antibodies as tools to quantify mycelium of aquatic hyphomycetes. <i>New Phytologist</i> , 1996 , 132, 593-601	9.8	24
31	Putting the BCO-into ECOTOxicology 1996 , 1-4		3
30	The effects of motorway runoff on freshwater ecosystems: 1. Field study. <i>Environmental Toxicology and Chemistry</i> , 1995 , 14, 1079-1092	3.8	139

29	The effects of motorway runoff on freshwater ecosystems: 2. Identifying major toxicants. <i>Environmental Toxicology and Chemistry</i> , 1995 , 14, 1093-1101	3.8	104
28	Sensitivity of the crustaceans <i>Gammarus pulex</i> (L.) and <i>Asellus aquaticus</i> (L.) to short-term exposure to hypoxia and unionized ammonia: Observations and possible mechanisms. <i>Water Research</i> , 1995 , 29, 781-787	12.5	80
27	The characterization and toxicity of sediment contaminated with road runoff. <i>Water Research</i> , 1995 , 29, 2043-2050	12.5	44
26	A critical assessment of the validity of ergosterol as an indicator of fungal biomass. <i>Mycological Research</i> , 1995 , 99, 479-484		85
25	The effects of motorway runoff on freshwater ecosystems: 1. Field study 1995 , 14, 1079		10
24	The effects of motorway runoff on freshwater ecosystems: 2. Identifying major toxicants 1995 , 14, 1093		7
23	Comparative ecology of <i>Gammarus pulex</i> (L.) and <i>Asellus aquaticus</i> (L.) II: fungal preferences. <i>Hydrobiologia</i> , 1994 , 281, 163-170	2.4	27
22	Responses of <i>Gammarus pulex</i> (Amphipoda, Crustacea) to metalliferous effluents: identification of toxic components and the importance of interpopulation variation. <i>Environmental Pollution</i> , 1994 , 84, 45-52	9.3	62
21	Importance of fungi in the diet of <i>Gammarus pulex</i> and <i>Asellus aquaticus</i> : II. Effects on growth, reproduction and physiology. <i>Oecologia</i> , 1993 , 96, 304-309	2.9	96
20	Importance of fungi in the diet of <i>Gammarus pulex</i> and <i>Asellus aquaticus</i> I: feeding strategies. <i>Oecologia</i> , 1993 , 93, 139-144	2.9	120
19	The use of the physiological energetics of <i>Gammarus pulex</i> to assess toxicity: A study using artificial streams. <i>Environmental Toxicology and Chemistry</i> , 1992 , 11, 79-85	3.8	33
18	. <i>Environmental Toxicology and Chemistry</i> , 1992 , 11, 79	3.8	23
17	The lethal and sublethal responses of <i>Gammarus pulex</i> to stress: Sensitivity and sources of variation in an in situ bioassay. <i>Environmental Toxicology and Chemistry</i> , 1991 , 10, 1331-1339	3.8	39
16	Pollution as a Probe of Life-History Adaptation in <i>Asellus aquaticus</i> (Isopoda). <i>Oikos</i> , 1991 , 61, 11	4	32
15	The effect of coal-mine effluent on fungal assemblages and leaf breakdown. <i>Water Research</i> , 1991 , 25, 247-250	12.5	34
14	. <i>Environmental Toxicology and Chemistry</i> , 1991 , 10, 1331	3.8	45
13	Preliminary Observations on the Ecological Relevance of the <i>Gammarus</i> 'Scope for Growth' Assay: Effect of Zinc on Reproduction. <i>Functional Ecology</i> , 1990 , 4, 393	5.6	64
12	Effect of stress on a freshwater benthic detritivore: scope for growth in <i>Gammarus pulex</i> . <i>Ecotoxicology and Environmental Safety</i> , 1990 , 19, 285-91	7	75

11	Field deployment of a scope for growth assay involving <i>Gammarus pulex</i> , a freshwater benthic invertebrate. <i>Ecotoxicology and Environmental Safety</i> , 1990 , 19, 292-300	7	50
10	The application of bioassays in the resolution of environmental problems; past, present and future. <i>Hydrobiologia</i> , 1989 , 188-189, 65-76	2.4	35
9	Scope for growth in <i>Gammarus pulex</i> , a freshwater benthic detritivore. <i>Hydrobiologia</i> , 1989 , 188-189, 517-523	2.4	124
8	Assessing the impact of episodic pollution. <i>Hydrobiologia</i> , 1989 , 188-189, 633-640	2.4	23
7	Scope for growth in <i>Gammarus pulex</i> , a freshwater benthic detritivore 1989 , 517-523		4
6	Assessing the impact of episodic pollution 1989 , 633-640		
5	Acute toxicity tests on the freshwater isopod, <i>Asellus aquaticus</i> using FeSO ₄ . 7H ₂ O, with special reference to techniques and the possibility of intraspecific variation. <i>Environmental Pollution</i> , 1987 , 43, 271-9	9.3	13
4	Estimating the Abundance of Stone-dwelling Organisms: A New Method. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1986 , 43, 2025-2035	2.4	20
3	Intraspecific Life-History Variation in <i>Erpobdella octoculata</i> (Hirudinea: Erpobdellidae). I. Field Study. <i>Journal of Animal Ecology</i> , 1986 , 55, 721	4.7	5
2	Sustaining industrial activity and ecological quality: the potential role of an ecosystem services approach 327-344		
1	Aquatic Macrophyte Risk Assessment for Pesticides		17