

# Elisabeth M Gross

## List of Publications by Year in descending order

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65  
papers

4,234  
citations

136950

32  
h-index

118850

62  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3578  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating Multiple Stressor Effects on Benthic and Pelagic Freshwater Communities in Systems of Different Complexities: Challenges in Upscaling. <i>Water (Switzerland)</i> , 2022, 14, 581.	2.7	3
2	Disentangling the direct and indirect effects of agricultural runoff on freshwater ecosystems subject to global warming: A microcosm study. <i>Water Research</i> , 2021, 190, 116713.	11.3	20
3	Large-scale geographical and environmental drivers of shallow lake diatom metacommunities across Europe. <i>Science of the Total Environment</i> , 2020, 707, 135887.	8.0	14
4	Genotypes of the aquatic plant <i>Myriophyllum spicatum</i> with different growth strategies show contrasting sensitivities to copper contamination. <i>Chemosphere</i> , 2020, 245, 125552.	8.2	7
5	Ecology and Environmental Impact of <i>Myriophyllum heterophyllum</i> , an Aggressive Invader in European Waterways. <i>Diversity</i> , 2020, 12, 127.	1.7	10
6	Identification of new hardy ferns that preferentially accumulate light rare earth elements: a conserved trait within fern species. <i>Environmental Chemistry</i> , 2020, 17, 191.	1.5	20
7	On the move: New insights on the ecology and management of native and alien macrophytes. <i>Aquatic Botany</i> , 2020, 162, 103190.	1.6	16
8	Chemical Ecology and Ecotoxicology. , 2019, , 1-31.		0
9	Does intraspecific variability matter in ecological risk assessment? Investigation of genotypic variations in three macrophyte species exposed to copper. <i>Aquatic Toxicology</i> , 2019, 211, 29-37.	4.0	17
10	Accumulation and fractionation of rare earth elements are conserved traits in the <i>Phytolacca</i> genus. <i>Scientific Reports</i> , 2019, 9, 18458.	3.3	37
11	Limited effect of gizzard sand on consumption of the macrophyte <i>Myriophyllum spicatum</i> by the great pond snail <i>Lymnaea stagnalis</i> . <i>Hydrobiologia</i> , 2018, 812, 131-145.	2.0	6
12	<i>Hygraula nitens</i> , the only native aquatic caterpillar in New Zealand, prefers feeding on an alien submerged plant. <i>Hydrobiologia</i> , 2018, 812, 13-25.	2.0	7
13	Plants in aquatic ecosystems: current trends and future directions. <i>Hydrobiologia</i> , 2018, 812, 1-11.	2.0	94
14	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.	8.0	52
15	Sensitive response of sediment-grown <i>Myriophyllum spicatum</i> L. to arsenic pollution under different CO <sub>2</sub> availability. <i>Hydrobiologia</i> , 2018, 812, 177-191.	2.0	8
16	Global Deletome Profile of <i>Saccharomyces cerevisiae</i> Exposed to the Technology-Critical Element Yttrium. <i>Frontiers in Microbiology</i> , 2018, 9, 2005.	3.5	8
17	Periphyton density is similar on native and non-native plant species. <i>Freshwater Biology</i> , 2017, 62, 906-915.	2.4	17
18	Growth strategy, phylogeny and stoichiometry determine the allelopathic potential of native and non-native plants. <i>Oikos</i> , 2017, 126, 1770-1779.	2.7	26

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19	Sucrose modifies growth and physiology in axenically grown <i>Myriophyllum spicatum</i> with potential effects on the response to pollutants. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 969-975.	4.3	8
20	Aquatic botany since 1975: Have our views changed?. <i>Aquatic Botany</i> , 2016, 135, 1-2.	1.6	2
21	Does nitrate co-pollution affect biological responses of an aquatic plant to two common herbicides?. <i>Aquatic Toxicology</i> , 2016, 177, 355-364.	4.0	21
22	Insect herbivory on native and exotic aquatic plants: phosphorus and nitrogen drive insect growth and nutrient release. <i>Hydrobiologia</i> , 2016, 778, 209-220.	2.0	27
23	Litter chemistry prevails over litter consumers in mediating effects of past steel industry activities on leaf litter decomposition. <i>Science of the Total Environment</i> , 2015, 537, 213-224.	8.0	26
24	Small-scale variation in sexual size dimorphism and sex ratio in the aquatic moth <i>Acentria ephemerella</i> Denis and Schiffermüller, 1775 (Lepidoptera: Crambidae). <i>Aquatic Insects</i> , 2014, 36, 187-199.	0.9	2
25	Epiphytic Diatoms along Environmental Gradients in Western European Shallow Lakes. <i>Clean - Soil, Air, Water</i> , 2014, 42, 229-235.	1.1	20
26	Induced defense mechanisms in an aquatic angiosperm to insect herbivory. <i>Oecologia</i> , 2014, 175, 173-185.	2.0	43
27	<i>Chara</i> can outcompete <i>Myriophyllum</i> under low phosphorus supply. <i>Aquatic Sciences</i> , 2013, 75, 457-467.	1.5	36
28	A Pharm-Ecological Perspective of Terrestrial and Aquatic Plant-Herbivore Interactions. <i>Journal of Chemical Ecology</i> , 2013, 39, 465-480.	1.8	26
29	Release from competition and protection determine the outcome of plant interactions along a grazing gradient. <i>Oikos</i> , 2012, 121, 95-101.	2.7	51
30	Allelochemical interactions among aquatic primary producers. , 2012, , 196-209.		10
31	Comments on increasing number and abundance of non-indigenous aquatic macrophyte species in Germany. <i>Weed Research</i> , 2010, 50, 519-526.	1.7	51
32	Assessing ecological quality of shallow lakes: Does knowledge of transparency suffice?. <i>Basic and Applied Ecology</i> , 2009, 10, 89-96.	2.7	31
33	Subfossil Cladocera in relation to contemporary environmental variables in 54 Pan-European lakes. <i>Freshwater Biology</i> , 2009, 54, 2401-2417.	2.4	92
34	Seasonal and interannual dynamics of polyphenols in <i>Myriophyllum verticillatum</i> and their allelopathic activity on <i>Anabaena variabilis</i> . <i>Aquatic Botany</i> , 2009, 91, 110-116.	1.6	66
35	Community composition of bacterial biofilms on two submerged macrophytes and an artificial substrate in a pre-alpine lake. <i>Aquatic Microbial Ecology</i> , 2009, 58, 79-94.	1.8	53
36	Epiphytic bacterial community composition on two common submerged macrophytes in brackish water and freshwater. <i>BMC Microbiology</i> , 2008, 8, 58.	3.3	107

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37	Can allelopathically active submerged macrophytes stabilise clear-water states in shallow lakes? <i>Basic and Applied Ecology</i> , 2008, 9, 422-432.	2.7	282
38	Gut pH, redox conditions and oxygen levels in an aquatic caterpillar: Potential effects on the fate of ingested tannins. <i>Journal of Insect Physiology</i> , 2008, 54, 462-471.	2.0	33
39	Chemical profile of the North American native <i>Myriophyllum sibiricum</i> compared to the invasive <i>M. spicatum</i> . <i>Aquatic Botany</i> , 2008, 88, 57-65.	1.6	25
40	Degradation of gallic acid and hydrolysable polyphenols is constitutively activated in the freshwater plant-associated bacterium <i>Matsuebacter</i> sp. FB25. <i>Aquatic Microbial Ecology</i> , 2007, 47, 83-90.	1.8	18
41	Searching for allelopathic effects of submerged macrophytes on phytoplankton – state of the art and open questions. <i>Hydrobiologia</i> , 2007, 584, 77-88.	2.0	121
42	Allelopathic activity of <i>Stratiotes aloides</i> on phytoplankton – towards identification of allelopathic substances. <i>Hydrobiologia</i> , 2007, 584, 89-100.	2.0	75
43	Chemical Defense in <i>Elodea nuttallii</i> Reduces Feeding and Growth of Aquatic Herbivorous Lepidoptera. <i>Journal of Chemical Ecology</i> , 2007, 33, 1646-1661.	1.8	40
44	Sexual dimorphism and light/dark adaptation in the compound eyes of male and female <i>Acentria ephemerella</i> (Lepidoptera: Pyraloidea: Crambidae). <i>European Journal of Entomology</i> , 2007, 104, 459-470.	1.2	30
45	Allelopathic activity of <i>Elodea canadensis</i> and <i>Elodea nuttallii</i> against epiphytes and phytoplankton. <i>Aquatic Botany</i> , 2006, 85, 203-211.	1.6	157
46	Restoration of submerged vegetation in shallow eutrophic lakes – A guideline and state of the art in Germany. <i>Limnologica</i> , 2006, 36, 155-171.	1.5	233
47	Life History and Developmental Performance of the Eurasian Milfoil Weevil, <i>Eubrychius velutus</i> (Coleoptera: Curculionidae). <i>The Coleopterists Bulletin</i> , 2006, 60, 170-176.	0.2	5
48	IN SITU ALLELOPATHIC POTENTIAL OF MYRIOPHYLLUM VERTICILLATUM (HALORAGACEAE) AGAINST SELECTED PHYTOPLANKTON SPECIES I. <i>Journal of Phycology</i> , 2006, 42, 1189-1198.	2.3	75
49	The role of climate in shaping zooplankton communities of shallow lakes. <i>Limnology and Oceanography</i> , 2005, 50, 2008-2021.	3.1	179
50	Epiphyte biomass and elemental composition on submersed macrophytes in shallow eutrophic lakes. <i>Hydrobiologia</i> , 2003, 506-509, 559-565.	2.0	41
51	Allelopathic activity of <i>Ceratophyllum demersum</i> L. and <i>Najas marina</i> ssp. <i>intermedia</i> (Wolfgang) Casper. <i>Hydrobiologia</i> , 2003, 506-509, 583-589.	2.0	127
52	Factors controlling hydrochemical and trophic state variables in 86 shallow lakes in Europe. <i>Hydrobiologia</i> , 2003, 506-509, 51-58.	2.0	52
53	The determination of ecological status in shallow lakes - a tested system (ECOFAME) for implementation of the European Water Framework Directive. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2003, 13, 507-549.	2.0	266
54	Differential response of tellimagrandin II and total bioactive hydrolysable tannins in an aquatic angiosperm to changes in light and nitrogen. <i>Oikos</i> , 2003, 103, 497-504.	2.7	52

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55	Allelopathy of Aquatic Autotrophs. <i>Critical Reviews in Plant Sciences</i> , 2003, 22, 313-339.	5.7	528
56	The distribution of chydorids (Branchiopoda, Anomopoda) in European shallow lakes and its application to ecological quality monitoring. <i>Archiv für Hydrobiologie</i> , 2003, 156, 181-202.	1.1	32
57	Polyphenolic Allelochemicals from the Aquatic Angiosperm <i>Myriophyllum spicatum</i> Inhibit Photosystem II. <i>Plant Physiology</i> , 2002, 130, 2011-2018.	4.8	165
58	Influence of <i>Myriophyllum spicatum</i> -derived tannins on gut microbiota of its herbivore <i>Acentria ephemerella</i> . <i>Journal of Chemical Ecology</i> , 2002, 28, 2045-2056.	1.8	36
59	Impact of polyphenols on growth of the aquatic herbivore <i>Acentria ephemerella</i> . <i>Journal of Chemical Ecology</i> , 2002, 28, 2245-2256.	1.8	70
60	Experimental evidence for changes in submersed macrophyte species composition caused by the herbivore <i>Acentria ephemerella</i> (Lepidoptera). <i>Oecologia</i> , 2001, 127, 105-114.	2.0	91
61	Title is missing!. <i>Aquatic Ecology</i> , 1997, 31, 273-282.	1.5	25
62	Isolation, identification and determination of the absolute configuration of Fischerellin B. A new algicide from the freshwater cyanobacterium <i>Fischerella muscicola</i> (Thuret). <i>Tetrahedron Letters</i> , 1997, 38, 379-382.	1.4	78
63	Release and ecological impact of algicidal hydrolysable polyphenols in <i>Myriophyllum spicatum</i> . <i>Phytochemistry</i> , 1996, 41, 133-138.	2.9	238
64	FISCHERELLIN, A NEW ALLELOCHEMICAL FROM THE FRESHWATER CYANOBACTERIUM <i>FISCHERELLA MUSCICOLA</i> 1. <i>Journal of Phycology</i> , 1991, 27, 686-692.	2.3	121
65	Aquatic chemical ecology meets ecotoxicology. <i>Aquatic Ecology</i> , 0, , 1.	1.5	5