Simone Varandas

List of Publications by Year
in descending order

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91 papers	3,563 citations	172207 29 h-index	149479 56 g-index
92 all docs	92 docs citations	92 times ranked	2963 citing authors

#	Article	IF	Citations
1	Multiresistant bacteria: Invisible enemies of freshwater mussels. Environmental Pollution, 2022, 295, 118671.	3.7	3
2	Crowding after sudden habitat loss affects demography and social structure in a bat population. Journal of Animal Ecology, 2022, 91, 668-680.	1.3	0
3	Speeding up the detection of invasive bivalve species using environmental DNA: A Nanopore and Illumina sequencing comparison. Molecular Ecology Resources, 2022, 22, 2232-2247.	2.2	16
4	Tackling climate change impacts on biodiversity towards integrative conservation in Atlantic landscapes. Global Ecology and Conservation, 2022, 38, e02216.	1.0	3
5	Water security and watershed management assessed through the modelling of hydrology and ecological integrity: A study in the Galicia-Costa (NW Spain). Science of the Total Environment, 2021, 759, 143905.	3.9	16
6	Effects of an extreme drought on the endangered pearl mussel Margaritifera margaritifera: a before/after assessment. Hydrobiologia, 2021, 848, 3003-3013.	1.0	14
7	Assessment of a terrestrial protected area for the conservation of freshwater biodiversity. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 520-530.	0.9	18
8	Multi-Biomarker Responses of Asian Clam Corbicula fluminea (Bivalvia, Corbiculidea) to Cadmium and Microplastics Pollutants. Water (Switzerland), 2021, 13, 394.	1.2	26
9	The Role of Aquatic Ecosystems (River Tua, Portugal) as Reservoirs of Multidrug-Resistant Aeromonas spp.. Water (Switzerland), 2021, 13, 698.	1.2	9
10	The role of anthropogenic habitats in freshwater mussel conservation. Global Change Biology, 2021, 27, 2298-2314.	4.2	24
11	Trophic niche overlap between native freshwater mussels (Order: Unionida) and the invasive <scp>Corbicula fluminea</scp>. Aquatic Conservation: Marine and Freshwater Ecosystems, 2021, 31, 2058-2071.	0.9	16
12	Distribution and Potential Availability of As, Metals and P in Sediments from a Riverine Reservoir in a Rural Mountainous Catchment (NE Portugal). International Journal of Environmental Research and Public Health, 2021, 18, 5616.	1.2	3
13	Alarming decline of freshwater trigger species in western Mediterranean key biodiversity areas. Conservation Biology, 2021, 35, 1367-1379.	2.4	12
14	Integrating ecosystem services into sustainable landscape management: A collaborative approach. Science of the Total Environment, 2021, 794, 148538.	3.9	23
15	Mitogenomic phylogeny and fossil-calibrated mutation rates for all F- and M-type mtDNA genes of the largest freshwater mussel family, the Unionidae (Bivalvia). Zoological Journal of the Linnean Society, 2021, 193, 1088-1107.	1.0	20
16	Spatial modelling of temporal dynamics in stream fish communities under anthropogenic change. Diversity and Distributions, 2021, 27, 313-326.	1.9	5
17	Microcondylaea bonellii, a Testimonial for Neglected Endangered Species. , 2021, , .		0
18	Mesozoic mitogenome rearrangements and freshwater mussel (Bivalvia: Unionoidea) macroevolution. Heredity, 2020, 124, 182-196.	1.2	27

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19	Phylogeny of European Anodontini (Bivalvia: Unionidae) with a redescription of Anodonta exulcerata. Zoological Journal of the Linnean Society, 2020, 189, 745-761.	1.0	13
20	Setting the stage for new ecological indicator species: A holistic case study on the Iberian dolphin freshwater mussel Unio delphinus Spengler, 1793. Ecological Indicators, 2020, 111, 105987.	2.6	17
21	Complete mitochondrial genomes of the freshwater mussels Amblema plicata (Say, 1817), Pleurobema oviforme (Conrad, 1834), and Popenaias popeii (Lea, 1857) (Bivalvia: Unionidae: Ambleminae). Mitochondrial DNA Part B: Resources, 2020, 5, 2959-2961.	0.2	1
22	Current and Future Ecological Status Assessment: A New Holistic Approach for Watershed Management. Water (Switzerland), 2020, 12, 2839.	1.2	5
23	Origin and history of Phoxinus (Cyprinidae) introductions in the Douro Basin (Iberian Peninsula): an update inferred from genetic data. Biological Invasions, 2020, 22, 2409-2419.	1.2	10
24	Combining geostatistical and biotic interaction model to predict amphibian refuges under crayfish invasion across dendritic stream networks. Diversity and Distributions, 2020, 26, 699-714.	1.9	4
25	Small hydropower plants as a threat to the endangered pearl mussel Margaritifera margaritifera. Science of the Total Environment, 2020, 719, 137361.	3.9	30
26	Microcondylaea bonellii as a new host for the European bitterling Rhodeus amarus. Knowledge and Management of Aquatic Ecosystems, 2020, , 4.	0.5	4
27	From the lab to the river: Determination of ecological hosts of Anodonta anatina. Aquatic Conservation: Marine and Freshwater Ecosystems, 2020, 30, 988-999.	0.9	7
28	Acoustic barriers as an acoustic deterrent for native potamodromous migratory fish species. Journal of Fish Biology, 2019, 95, 247-255.	0.7	13
29	Fish hosts of the freshwater mussel Unio foucauldianus Pallary, 1936. Aquatic Conservation: Marine and Freshwater Ecosystems, 2019, 29, 2176-2184.	0.9	6
30	Refuge in the sÄ¤ya: Irrigation canals as habitat for one of the world's 100 most threatened species. Biological Conservation, 2019, 238, 108209.	1.9	11
31	The male and female complete mitochondrial genomes of the threatened freshwater pearl mussel Margaritifera margaritifera (Linnaeus, 1758) (Bivalvia: Margaritiferidae). Mitochondrial DNA Part B: Resources, 2019, 4, 1417-1420.	0.2	8
32	Freshwater conservation assessments in (semi-)arid regions: Testing river intermittence and buffer strategies using freshwater mussels (Bivalvia, Unionida) in Morocco. Biological Conservation, 2019, 236, 420-434.	1.9	20
33	Water mill canals as habitat for Margaritifera margaritifera: Stable refuge or an ecological trap?. Ecological Indicators, 2019, 106, 105469.	2.6	11
34	A Gill Histopathology Study in two Native Fish Species from the Hydrographic Douro Basin. Microscopy and Microanalysis, 2019, 25, 236-243.	0.2	9
35	A tale of shells and claws: The signal crayfish as a threat to the pearl mussel Margaritifera margaritifera in Europe. Science of the Total Environment, 2019, 665, 329-337.	3.9	26
36	Invasive crayfishes as a threat to freshwater bivalves: Interspecific differences and conservation implications. Science of the Total Environment, 2019, 649, 938-948.	3.9	32

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37	Research priorities for freshwater mussel conservation assessment. Biological Conservation, 2019, 231, 77-87.	1.9	156
38	Expansion and systematics redefinition of the most threatened freshwater mussel family, the Margaritiferidae. Molecular Phylogenetics and Evolution, 2018, 127, 98-118.	1.2	53
39	Oued Bouhlou: A new hope for the Moroccan pearl mussel. Aquatic Conservation: Marine and Freshwater Ecosystems, 2018, 28, 247-251.	0.9	13
40	Dieâ€offs of the endangered pearl mussel <scp>Margaritifera margaritifera</scp> during an extreme drought. Aquatic Conservation: Marine and Freshwater Ecosystems, 2018, 28, 1244-1248.	0.9	39
41	Conservation status of freshwater mussels in Europe: state of the art and future challenges. Biological Reviews, 2017, 92, 572-607.	4.7	400
42	The first Margaritiferidae male (M-type) mitogenome: mitochondrial gene order as a potential character for determining higher-order phylogeny within Unionida (Bivalvia). Journal of Molluscan Studies, 2017, 83, 249-252.	0.4	26
43	Integrative assessment of river damming impacts on aquatic fauna in a Portuguese reservoir. Science of the Total Environment, 2017, 601-602, 1108-1118.	3.9	78
44	The role of calcium concentration in the invasive capacity of Corbicula fluminea in crystalline basins. Science of the Total Environment, 2017, 580, 1363-1370.	3.9	13
45	Anthropogenic nutrients and eutrophication in multiple land use watersheds: Best management practices and policies for the protection of water resources. Land Use Policy, 2017, 69, 1-11.	2.5	94
46	Lifting the curtain on the freshwater mussel diversity of the Italian Peninsula and Croatian Adriatic coast. Biodiversity and Conservation, 2017, 26, 3255-3274.	1.2	38
47	Geostatistical distribution modelling of two invasive crayfish across dendritic stream networks. Biological Invasions, 2017, 19, 2899-2912.	1.2	24
48	Phylogeny of the most species-rich freshwater bivalve family (Bivalvia: Unionida: Unionidae): Defining modern subfamilies and tribes. Molecular Phylogenetics and Evolution, 2017, 106, 174-191.	1.2	133
49	Macroinvertebrate responses to distinct hydrological patterns in a tropical regulated river. Ecohydrology, 2016, 9, 460-471.	1.1	12
50	The role of environmental land use conflicts in soil fertility: A study on the Uberaba River basin, Brazil. Science of the Total Environment, 2016, 562, 463-473.	3.9	81
51	Phylogeny, phylogeography, and evolution in the Mediterranean region: News from a freshwater mussel (Potomida, Unionida). Molecular Phylogenetics and Evolution, 2016, 100, 322-332.	1.2	37
52	Newly developed microsatellite markers for the panâ€European duck mussel, Anodonta anatina: revisiting the main mitochondrial lineages. Aquatic Conservation: Marine and Freshwater Ecosystems, 2016, 26, 307-318.	0.9	20
53	A multiple index integrating different levels of organization. Ecotoxicology and Environmental Safety, 2016, 132, 270-278.	2.9	10
54	Who lives where? Molecular and morphometric analyses clarify which Unio species (Unionida,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.7	60

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55	The strange case of the tetragenous Anodonta anatina. Journal of Experimental Zoology, 2016, 325, 52-56.	1.2	6
56	Pearl mussels (Margaritifera marocana) in Morocco: Conservation status of the rarest bivalve in African fresh waters. Science of the Total Environment, 2016, 547, 405-412.	3.9	29
57	The male and female complete mitochondrial genome sequences of the Endangered freshwater mussel Potomida littoralis (Cuvier, 1798) (Bivalvia: Unionidae). Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 3571-3572.	0.7	20
58	Impacts of climate change and land-use scenarios on Margaritifera margaritifera, an environmental indicator and endangered species. Science of the Total Environment, 2015, 511, 477-488.	3.9	101
59	Multi Criteria Analysis for the monitoring of aquifer vulnerability: A scientific tool in environmental policy. Environmental Science and Policy, 2015, 48, 250-264.	2.4	50
60	First results on the genetic diversity of the invasive signal crayfish Pacifastacus leniusculus (Dana,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	8
61	First record of the freshwater jellyfish Craspedacusta sowerbii Lankester, 1880 in Greece suggests distinct European invasion events. Limnology, 2015, 16, 171-177.	0.8	10
62	Filling gaps in a large reserve network to address freshwater conservation needs. Journal of Environmental Management, 2015, 161, 358-365.	3.8	29
63	Effectiveness of a large reserve network in protecting freshwater biodiversity: a test for the <scp>I</scp>berian <scp>P</scp>eninsula. Freshwater Biology, 2015, 60, 698-710.	1.2	59
64	Impacts of land use conflicts on riverine ecosystems. Land Use Policy, 2015, 43, 48-62.	2.5	128
65	Conservation status of the freshwater pearl mussel Margaritifera margaritifera in Portugal. Limnologica, 2015, 50, 4-10.	0.7	42
66	Conservation benefits of riparian buffers in urban areas: the case of the Rio Corgo (north Portugal). Fundamental and Applied Limnology, 2014, 185, 55-70.	0.4	10
67	Soil losses in rural watersheds with environmental land use conflicts. Science of the Total Environment, 2014, 485-486, 110-120.	3.9	147
68	Biology and conservation of freshwater bivalves: past, present and future perspectives. Hydrobiologia, 2014, 735, 1-13.	1.0	137
69	Genetic diversity of the panâ€European freshwater mussel Anodonta anatina (Bivalvia: Unionoida) based on CO1: new phylogenetic insights and implications for conservation. Aquatic Conservation: Marine and Freshwater Ecosystems, 2014, 24, 561-574.	0.9	55
70	Groundwater quality in rural watersheds with environmental land use conflicts. Science of the Total Environment, 2014, 493, 812-827.	3.9	95
71	Environmental land use conflicts: A threat to soil conservation. Land Use Policy, 2014, 41, 172-185.	2.5	126
72	Taxonomy, metrics or traits? Assessing macroinvertebrate community responses to daily flow peaking in a highly regulated Brazilian river system. Ecohydrology, 2014, 7, 828-842.	1.1	18

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73	Ecological Status of a Margaritifera margaritifera (Linnaeus, 1758) Population at the Southern Edge of its Distribution (River Paiva, Portugal). Environmental Management, 2013, 52, 1230-1238.	1.2	19
74	Biotic homogenization as a threat to native affiliate species: fish introductions dilute freshwater mussel's host resources. Diversity and Distributions, 2013, 19, 933-942.	1.9	55
75	Tools for bioindicator assessment in rivers: The importance of spatial scale, land use patterns and biotic integration. Ecological Indicators, 2013, 34, 460-477.	2.6	28
76	Reproductive Cycle and Strategy of Anodonta anatina (L., 1758): Notes on Hermaphroditism. Journal of Experimental Zoology, 2013, 319, 378-390.	1.2	39
77	Ecology of southern European pearl mussels (Margaritifera margaritifera): first record of two new populations on the rivers Terva and BeÃ§a (Portugal). Aquatic Conservation: Marine and Freshwater Ecosystems, 2013, 23, 374-389.	0.9	34
78	Development and multiplexing of microsatellite loci for the near threatened freshwater mussel Potomida littoralis (Cuvier, 1798) using 454 sequencing. Aquatic Conservation: Marine and Freshwater Ecosystems, 2013, 23, 619-623.	0.9	10
79	Massive die-offs of freshwater bivalves as resource pulses. Annales De Limnologie, 2012, 48, 105-112.	0.6	88
80	Evaluating macroinvertebrate biological metrics for ecological assessment of streams in northern Portugal. Environmental Monitoring and Assessment, 2010, 166, 201-221.	1.3	15
81	Mullet and gudgeon liver histopathology and macroinvertebrate indexes and metrics upstream and downstream from a wastewater treatment plant (Febros Riverâ€"Portugal). Environmental Monitoring and Assessment, 2010, 169, 569-585.	1.3	14
82	Habitat variation at different scales and biotic linkages in lotic systems: consequences for monitorization. Aquatic Ecology, 2009, 43, 1107-1120.	0.7	13
83	Leaf litter decomposition in western Iberian forested wetlands: lentic versus lotic response. , 2008, 28, 93-106.		17
84	Effects of multi-year droughts on fish assemblages of seasonally drying Mediterranean streams. Freshwater Biology, 2007, 52, 1494-1510.	1.2	159
85	Combining Logistic Models with Multivariate Methods for the Rapid Biological Assessment of Rivers Using Macroinvertebrates. Environmental Monitoring and Assessment, 2006, 112, 93-113.	1.3	5
86	A biologically relevant habitat condition index for streams in northern Portugal. Aquatic Conservation: Marine and Freshwater Ecosystems, 2005, 15, 189-210.	0.9	22
87	Factors Affecting Macroinvertebrate Richness and Diversity in Portuguese Streams: a Two-Scale Analysis. International Review of Hydrobiology, 2004, 89, 151-164.	0.5	72
88	Macroinvertebrate community structure in a regulated river segment with different flow conditions. River Research and Applications, 2002, 18, 367-382.	0.7	95
89	Different scales of analysis in classifying streams: from a multimetric towards an integrate system approach.. River Systems, 2002, 13, 209-224.	0.2	3
90	Contrasting impact of small dams on the macroinvertebrates of two Iberian mountain rivers. Hydrobiologia, 1998, 389, 51-61.	1.0	48

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91	Preliminary data on fish hosts and their conservation importance for the critically endangered Pseudunio marocanus (Pallary, 1918). Aquatic Conservation: Marine and Freshwater Ecosystems, 0, , .	0.9	2