

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	Conservation status of freshwater mussels in Europe: state of the art and future challenges. <i>Biological Reviews</i> , 2017, 92, 572-607.	4.7	400
2	Effects of multi-year droughts on fish assemblages of seasonally drying Mediterranean streams. <i>Freshwater Biology</i> , 2007, 52, 1494-1510.	1.2	159
3	Research priorities for freshwater mussel conservation assessment. <i>Biological Conservation</i> , 2019, 231, 77-87.	1.9	156
4	Soil losses in rural watersheds with environmental land use conflicts. <i>Science of the Total Environment</i> , 2014, 485-486, 110-120.	3.9	147
5	Biology and conservation of freshwater bivalves: past, present and future perspectives. <i>Hydrobiologia</i> , 2014, 735, 1-13.	1.0	137
6	Phylogeny of the most species-rich freshwater bivalve family (Bivalvia: Unionida: Unionidae): Defining modern subfamilies and tribes. <i>Molecular Phylogenetics and Evolution</i> , 2017, 106, 174-191.	1.2	133
7	Impacts of land use conflicts on riverine ecosystems. <i>Land Use Policy</i> , 2015, 43, 48-62.	2.5	128
8	Environmental land use conflicts: A threat to soil conservation. <i>Land Use Policy</i> , 2014, 41, 172-185.	2.5	126
9	Impacts of climate change and land-use scenarios on <i>Margaritifera margaritifera</i> , an environmental indicator and endangered species. <i>Science of the Total Environment</i> , 2015, 511, 477-488.	3.9	101
10	Macroinvertebrate community structure in a regulated river segment with different flow conditions. <i>River Research and Applications</i> , 2002, 18, 367-382.	0.7	95
11	Groundwater quality in rural watersheds with environmental land use conflicts. <i>Science of the Total Environment</i> , 2014, 493, 812-827.	3.9	95
12	Anthropogenic nutrients and eutrophication in multiple land use watersheds: Best management practices and policies for the protection of water resources. <i>Land Use Policy</i> , 2017, 69, 1-11.	2.5	94
13	Massive die-offs of freshwater bivalves as resource pulses. <i>Annales De Limnologie</i> , 2012, 48, 105-112.	0.6	88
14	The role of environmental land use conflicts in soil fertility: A study on the Uberaba River basin, Brazil. <i>Science of the Total Environment</i> , 2016, 562, 463-473.	3.9	81
15	Integrative assessment of river damming impacts on aquatic fauna in a Portuguese reservoir. <i>Science of the Total Environment</i> , 2017, 601-602, 1108-1118.	3.9	78
16	Factors Affecting Macroinvertebrate Richness and Diversity in Portuguese Streams: a Two-Scale Analysis. <i>International Review of Hydrobiology</i> , 2004, 89, 151-164.	0.5	72
17	Who lives where? Molecular and morphometric analyses clarify which <i>Unio</i> species (Unionida,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 0.7 60	0.7	60
18	Effectiveness of a large reserve network in protecting freshwater biodiversity: a test for the <sc>P</sc>berian <sc>P</sc>ensula. <i>Freshwater Biology</i> , 2015, 60, 698-710.	1.2	59

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19	Biotic homogenization as a threat to native affiliate species: fish introductions dilute freshwater mussel's host resources. <i>Diversity and Distributions</i> , 2013, 19, 933-942.	1.9	55
20	Genetic diversity of the pan-European freshwater mussel <i>Anodonta anatina</i> (Bivalvia: Unionoidea) based on CO1: new phylogenetic insights and implications for conservation. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2014, 24, 561-574.	0.9	55
21	Expansion and systematics redefinition of the most threatened freshwater mussel family, the Margaritiferidae. <i>Molecular Phylogenetics and Evolution</i> , 2018, 127, 98-118.	1.2	53
22	Multi Criteria Analysis for the monitoring of aquifer vulnerability: A scientific tool in environmental policy. <i>Environmental Science and Policy</i> , 2015, 48, 250-264.	2.4	50
23	Contrasting impact of small dams on the macroinvertebrates of two Iberian mountain rivers. <i>Hydrobiologia</i> , 1998, 389, 51-61.	1.0	48
24	Conservation status of the freshwater pearl mussel <i>Margaritifera margaritifera</i> in Portugal. <i>Limnologica</i> , 2015, 50, 4-10.	0.7	42
25	Reproductive Cycle and Strategy of <i>Anodonta anatina</i> (L., 1758): Notes on Hermaphroditism. <i>Journal of Experimental Zoology</i> , 2013, 319, 378-390.	1.2	39
26	Die-offs of the endangered pearl mussel <i>Margaritifera margaritifera</i> during an extreme drought. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018, 28, 1244-1248.	0.9	39
27	Lifting the curtain on the freshwater mussel diversity of the Italian Peninsula and Croatian Adriatic coast. <i>Biodiversity and Conservation</i> , 2017, 26, 3255-3274.	1.2	38
28	Phylogeny, phylogeography, and evolution in the Mediterranean region: News from a freshwater mussel (Potomida, Unionida). <i>Molecular Phylogenetics and Evolution</i> , 2016, 100, 322-332.	1.2	37
29	Ecology of southern European pearl mussels (<i>Margaritifera margaritifera</i>): first record of two new populations on the rivers Terva and Be�sa (Portugal). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2013, 23, 374-389.	0.9	34
30	Invasive crayfishes as a threat to freshwater bivalves: Interspecific differences and conservation implications. <i>Science of the Total Environment</i> , 2019, 649, 938-948.	3.9	32
31	Small hydropower plants as a threat to the endangered pearl mussel <i>Margaritifera margaritifera</i> . <i>Science of the Total Environment</i> , 2020, 719, 137361.	3.9	30
32	Filling gaps in a large reserve network to address freshwater conservation needs. <i>Journal of Environmental Management</i> , 2015, 161, 358-365.	3.8	29
33	Pearl mussels (<i>Margaritifera marocana</i>) in Morocco: Conservation status of the rarest bivalve in African fresh waters. <i>Science of the Total Environment</i> , 2016, 547, 405-412.	3.9	29
34	Tools for bioindicator assessment in rivers: The importance of spatial scale, land use patterns and biotic integration. <i>Ecological Indicators</i> , 2013, 34, 460-477.	2.6	28
35	Mesozoic mitogenome rearrangements and freshwater mussel (Bivalvia: Unionoidea) macroevolution. <i>Heredity</i> , 2020, 124, 182-196.	1.2	27
36	The first Margaritiferidae male (M-type) mitogenome: mitochondrial gene order as a potential character for determining higher-order phylogeny within Unionida (Bivalvia). <i>Journal of Molluscan Studies</i> , 2017, 83, 249-252.	0.4	26

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37	A tale of shells and claws: The signal crayfish as a threat to the pearl mussel <i>Margaritifera margaritifera</i> in Europe. <i>Science of the Total Environment</i> , 2019, 665, 329-337.	3.9	26
38	Multi-Biomarker Responses of Asian Clam <i>Corbicula fluminea</i> (Bivalvia, Corbiculidea) to Cadmium and Microplastics Pollutants. <i>Water (Switzerland)</i> , 2021, 13, 394.	1.2	26
39	Geostatistical distribution modelling of two invasive crayfish across dendritic stream networks. <i>Biological Invasions</i> , 2017, 19, 2899-2912.	1.2	24
40	The role of anthropogenic habitats in freshwater mussel conservation. <i>Global Change Biology</i> , 2021, 27, 2298-2314.	4.2	24
41	Integrating ecosystem services into sustainable landscape management: A collaborative approach. <i>Science of the Total Environment</i> , 2021, 794, 148538.	3.9	23
42	A biologically relevant habitat condition index for streams in northern Portugal. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2005, 15, 189-210.	0.9	22
43	Newly developed microsatellite markers for the pan-European duck mussel, <i>Anodonta anatina</i> : revisiting the main mitochondrial lineages. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2016, 26, 307-318.	0.9	20
44	The male and female complete mitochondrial genome sequences of the Endangered freshwater mussel <i>Potomida littoralis</i> (Cuvier, 1798) (Bivalvia: Unionidae). <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 3571-3572.	0.7	20
45	Freshwater conservation assessments in (semi-)arid regions: Testing river intermittence and buffer strategies using freshwater mussels (Bivalvia, Unionida) in Morocco. <i>Biological Conservation</i> , 2019, 236, 420-434.	1.9	20
46	Mitogenomic phylogeny and fossil-calibrated mutation rates for all F- and M-type mtDNA genes of the largest freshwater mussel family, the Unionidae (Bivalvia). <i>Zoological Journal of the Linnean Society</i> , 2021, 193, 1088-1107.	1.0	20
47	Ecological Status of a <i>Margaritifera margaritifera</i> (Linnaeus, 1758) Population at the Southern Edge of its Distribution (River Paiva, Portugal). <i>Environmental Management</i> , 2013, 52, 1230-1238.	1.2	19
48	Taxonomy, metrics or traits? Assessing macroinvertebrate community responses to daily flow peaking in a highly regulated Brazilian river system. <i>Ecohydrology</i> , 2014, 7, 828-842.	1.1	18
49	Assessment of a terrestrial protected area for the conservation of freshwater biodiversity. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 520-530.	0.9	18
50	Setting the stage for new ecological indicator species: A holistic case study on the Iberian dolphin freshwater mussel <i>Unio delphinus</i> Spengler, 1793. <i>Ecological Indicators</i> , 2020, 111, 105987.	2.6	17
51	Leaf litter decomposition in western Iberian forested wetlands: lentic versus lotic response. , 2008, 28, 93-106.		17
52	Water security and watershed management assessed through the modelling of hydrology and ecological integrity: A study in the Galicia-Costa (NW Spain). <i>Science of the Total Environment</i> , 2021, 759, 143905.	3.9	16
53	Trophic niche overlap between native freshwater mussels (Order: Unionida) and the invasive <i>Corbicula fluminea</i> . <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2021, 31, 2058-2071.	0.9	16
54	Speeding up the detection of invasive bivalve species using environmental DNA: A Nanopore and Illumina sequencing comparison. <i>Molecular Ecology Resources</i> , 2022, 22, 2232-2247.	2.2	16

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55	Evaluating macroinvertebrate biological metrics for ecological assessment of streams in northern Portugal. <i>Environmental Monitoring and Assessment</i> , 2010, 166, 201-221.	1.3	15
56	Mullet and gudgeon liver histopathology and macroinvertebrate indexes and metrics upstream and downstream from a wastewater treatment plant (Febros River—Portugal). <i>Environmental Monitoring and Assessment</i> , 2010, 169, 569-585.	1.3	14
57	Effects of an extreme drought on the endangered pearl mussel <i>Margaritifera margaritifera</i> : a before/after assessment. <i>Hydrobiologia</i> , 2021, 848, 3003-3013.	1.0	14
58	Habitat variation at different scales and biotic linkages in lotic systems: consequences for monitorization. <i>Aquatic Ecology</i> , 2009, 43, 1107-1120.	0.7	13
59	The role of calcium concentration in the invasive capacity of <i>Corbicula fluminea</i> in crystalline basins. <i>Science of the Total Environment</i> , 2017, 580, 1363-1370.	3.9	13
60	Oued Bouhlou: A new hope for the Moroccan pearl mussel. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018, 28, 247-251.	0.9	13
61	Acoustic barriers as an acoustic deterrent for native potamodromous migratory fish species. <i>Journal of Fish Biology</i> , 2019, 95, 247-255.	0.7	13
62	Phylogeny of European Anodontini (Bivalvia: Unionidae) with a redescription of <i>Anodonta exulcerata</i> . <i>Zoological Journal of the Linnean Society</i> , 2020, 189, 745-761.	1.0	13
63	Macroinvertebrate responses to distinct hydrological patterns in a tropical regulated river. <i>Ecohydrology</i> , 2016, 9, 460-471.	1.1	12
64	Alarming decline of freshwater trigger species in western Mediterranean key biodiversity areas. <i>Conservation Biology</i> , 2021, 35, 1367-1379.	2.4	12
65	Refuge in the sãqya: Irrigation canals as habitat for one of the world's 100 most threatened species. <i>Biological Conservation</i> , 2019, 238, 108209.	1.9	11
66	Water mill canals as habitat for <i>Margaritifera margaritifera</i> : Stable refuge or an ecological trap?. <i>Ecological Indicators</i> , 2019, 106, 105469.	2.6	11
67	Development and multiplexing of microsatellite loci for the near threatened freshwater mussel <i>Potomida littoralis</i> (Cuvier, 1798) using 454 sequencing. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2013, 23, 619-623.	0.9	10
68	Conservation benefits of riparian buffers in urban areas: the case of the Rio Corgo (north Portugal). <i>Fundamental and Applied Limnology</i> , 2014, 185, 55-70.	0.4	10
69	First record of the freshwater jellyfish <i>Craspedacusta sowerbii</i> Lankester, 1880 in Greece suggests distinct European invasion events. <i>Limnology</i> , 2015, 16, 171-177.	0.8	10
70	A multiple index integrating different levels of organization. <i>Ecotoxicology and Environmental Safety</i> , 2016, 132, 270-278.	2.9	10
71	Origin and history of <i>Phoxinus</i> (Cyprinidae) introductions in the Douro Basin (Iberian Peninsula): an update inferred from genetic data. <i>Biological Invasions</i> , 2020, 22, 2409-2419.	1.2	10
72	A Gill Histopathology Study in two Native Fish Species from the Hydrographic Douro Basin. <i>Microscopy and Microanalysis</i> , 2019, 25, 236-243.	0.2	9

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73	The Role of Aquatic Ecosystems (River Tua, Portugal) as Reservoirs of Multidrug-Resistant <i>Aeromonas</i> spp.. <i>Water</i> (Switzerland), 2021, 13, 698.	1.2	9
74	First results on the genetic diversity of the invasive signal crayfish <i>Pacifastacus leniusculus</i> (Dana,) <i>Tj ETQq0 0 0 rgBTj/Overlogk 10 Tf 50</i>	1.0	10
75	The male and female complete mitochondrial genomes of the threatened freshwater pearl mussel <i>Margaritifera margaritifera</i> (Linnaeus, 1758) (Bivalvia: Margaritiferidae). <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 1417-1420.	0.2	8
76	From the lab to the river: Determination of ecological hosts of <i>Anodonta anatina</i> . <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 988-999.	0.9	7
77	The strange case of the tetragenous <i>Anodonta anatina</i> . <i>Journal of Experimental Zoology</i> , 2016, 325, 52-56.	1.2	6
78	Fish hosts of the freshwater mussel <i>Unio foucauldianus</i> Pallary, 1936. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2019, 29, 2176-2184.	0.9	6
79	Combining Logistic Models with Multivariate Methods for the Rapid Biological Assessment of Rivers Using Macroinvertebrates. <i>Environmental Monitoring and Assessment</i> , 2006, 112, 93-113.	1.3	5
80	Current and Future Ecological Status Assessment: A New Holistic Approach for Watershed Management. <i>Water</i> (Switzerland), 2020, 12, 2839.	1.2	5
81	Spatial modelling of temporal dynamics in stream fish communities under anthropogenic change. <i>Diversity and Distributions</i> , 2021, 27, 313-326.	1.9	5
82	Combining geostatistical and biotic interaction model to predict amphibian refuges under crayfish invasion across dendritic stream networks. <i>Diversity and Distributions</i> , 2020, 26, 699-714.	1.9	4
83	<i>Microcondylaea bonellii</i> as a new host for the European bitterling <i>Rhodeus amarus</i> . <i>Knowledge and Management of Aquatic Ecosystems</i> , 2020, , 4.	0.5	4
84	Distribution and Potential Availability of As, Metals and P in Sediments from a Riverine Reservoir in a Rural Mountainous Catchment (NE Portugal). <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 5616.	1.2	3
85	Different scales of analysis in classifying streams: from a multimetric towards an integrate system approach.. <i>River Systems</i> , 2002, 13, 209-224.	0.2	3
86	Multiresistant bacteria: Invisible enemies of freshwater mussels. <i>Environmental Pollution</i> , 2022, 295, 118671.	3.7	3
87	Tackling climate change impacts on biodiversity towards integrative conservation in Atlantic landscapes. <i>Global Ecology and Conservation</i> , 2022, 38, e02216.	1.0	3
88	Preliminary data on fish hosts and their conservation importance for the critically endangered <i>Pseudunio marocanus</i> (Pallary, 1918). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 0, , .	0.9	2
89	Complete mitochondrial genomes of the freshwater mussels <i>Amblema plicata</i> (Say, 1817), <i>Pleurobema oviforme</i> (Conrad, 1834), and <i>Popenaias popeii</i> (Lea, 1857) (Bivalvia: Unionidae: Ambleminae). <i>Mitochondrial DNA Part B: Resources</i> , 2020, 5, 2959-2961.	0.2	1
90	<i>Microcondylaea bonellii</i> , a Testimonial for Neglected Endangered Species. , 2021, , .		0

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91	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