

# Manuel Lopes-Lima

## List of Publications by Citations

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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.

100  
papers

2,291  
citations

25  
h-index

44  
g-index

118  
ext. papers

2,903  
ext. citations

3.7  
avg, IF

5.01  
L-index

#	Paper	IF	Citations
100	Conservation status of freshwater mussels in Europe: state of the art and future challenges. <i>Biological Reviews</i> , <b>2017</b> , 92, 572-607	13.5	284
99	Conservation of freshwater bivalves at the global scale: diversity, threats and research needs. <i>Hydrobiologia</i> , <b>2018</b> , 810, 1-14	2.4	146
98	Biology and conservation of freshwater bivalves: past, present and future perspectives. <i>Hydrobiologia</i> , <b>2014</b> , 735, 1-13	2.4	107
97	Phylogeny of the most species-rich freshwater bivalve family (Bivalvia: Unionida: Unionidae): Defining modern subfamilies and tribes. <i>Molecular Phylogenetics and Evolution</i> , <b>2017</b> , 106, 174-191	4.1	99
96	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> , <b>2015</b> , 511, 477-88	10.2	88
95	Research priorities for freshwater mussel conservation assessment. <i>Biological Conservation</i> , <b>2019</b> , 231, 77-87	6.2	88
94	Diversity, biogeography and conservation of freshwater mussels (Bivalvia: Unionida) in East and Southeast Asia. <i>Hydrobiologia</i> , <b>2018</b> , 810, 29-44	2.4	77
93	Massive die-offs of freshwater bivalves as resource pulses. <i>Annales De Limnologie</i> , <b>2012</b> , 48, 105-112	0.7	65
92	Fish and mussels: Importance of fish for freshwater mussel conservation. <i>Fish and Fisheries</i> , <b>2018</b> , 19, 244-259	6	62
91	Factors driving changes in freshwater mussel (Bivalvia, Unionida) diversity and distribution in Peninsular Malaysia. <i>Science of the Total Environment</i> , <b>2016</b> , 571, 1069-78	10.2	60
90	Who lives where? Molecular and morphometric analyses clarify which <i>Unio</i> species (Unionida, Mollusca) inhabit the southwestern Palearctic. <i>Organisms Diversity and Evolution</i> , <b>2016</b> , 16, 597-611	1.7	47
89	Biotic homogenization as a threat to native affiliate species: fish introductions dilute freshwater mussel's host resources. <i>Diversity and Distributions</i> , <b>2013</b> , 19, 933-942	5	46
88	Genetic diversity of the pan-European freshwater mussel <i>Anodonta anatina</i> (Bivalvia: Unionoida) based on CO1: new phylogenetic insights and implications for conservation. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2014</b> , 24, 561-574	2.6	38
87	Expansion and systematics redefinition of the most threatened freshwater mussel family, the Margaritiferidae. <i>Molecular Phylogenetics and Evolution</i> , <b>2018</b> , 127, 98-118	4.1	37
86	Invasive Chinese pond mussel <i>Sinanodonta woodiana</i> threatens native mussel reproduction by inducing cross-resistance of host fish. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2017</b> , 27, 1325-1333	2.6	35
85	Reproductive cycle and strategy of <i>Anodonta anatina</i> (L., 1758): notes on hermaphroditism. <i>Journal of Experimental Zoology</i> , <b>2013</b> , 319, 378-90		34
84	Ecology of southern European pearl mussels ( <i>Margaritifera margaritifera</i> ): first record of two new populations on the rivers Terva and Beil (Portugal). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2013</b> , 23, 374-389	2.6	30

83	Comparative sensitivity of European native ( <i>Anodonta anatina</i> ) and exotic ( <i>Corbicula fluminea</i> ) bivalves to mercury. <i>Estuarine, Coastal and Shelf Science</i> , <b>2015</b> , 167, 191-198	2.9	29
82	Conservation status of the freshwater pearl mussel <i>Margaritifera margaritifera</i> in Portugal. <i>Limnologica</i> , <b>2015</b> , 50, 4-10	2	29
81	Die-offs of the endangered pearl mussel <i>Margaritifera margaritifera</i> during an extreme drought. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2018</b> , 28, 1244-1248	2.6	28
80	Taxonomic reassessment of the freshwater mussel genus <i>Unio</i> (Bivalvia: Unionidae) in Russia and Ukraine based on morphological and molecular data. <i>Zootaxa</i> , <b>2017</b> , 4286, 93	0.5	27
79	Association between environmental microbiota and indigenous bacteria found in hemolymph, extrapallial fluid and mucus of <i>Anodonta cygnea</i> (Linnaeus, 1758). <i>Microbial Ecology</i> , <b>2010</b> , 60, 304-9	4.4	27
78	Phylogeny, phylogeography, and evolution in the Mediterranean region: News from a freshwater mussel (Potomida, Unionida). <i>Molecular Phylogenetics and Evolution</i> , <b>2016</b> , 100, 322-332	4.1	27
77	Isolation, purification and characterization of glycosaminoglycans in the fluids of the mollusc <i>Anodonta cygnea</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , <b>2005</b> , 141, 319-26	2.6	26
76	Changes and drivers of freshwater mussel diversity and distribution in northern Borneo. <i>Biological Conservation</i> , <b>2018</b> , 219, 126-137	6.2	25
75	A review on the <i>in vitro</i> culture of freshwater mussels (Unionoida). <i>Hydrobiologia</i> , <b>2012</b> , 691, 21-33	2.4	24
74	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> , <b>2016</b> , 547, 405-412	10.2	23
73	Lifting the curtain on the freshwater mussel diversity of the Italian Peninsula and Croatian Adriatic coast. <i>Biodiversity and Conservation</i> , <b>2017</b> , 26, 3255-3274	3.4	23
72	Ionic regulation and shell mineralization in the bivalve <i>Anodonta cygnea</i> (swan mussel) following heavy-metal exposure. <i>Canadian Journal of Zoology</i> , <b>2012</b> , 90, 267-283	1.5	23
71	Molluscan genomics: the road so far and the way forward. <i>Hydrobiologia</i> , <b>2020</b> , 847, 1705-1726	2.4	23
70	Effects of Cd <sup>2+</sup> on the calcium metabolism and shell mineralization of bivalve <i>Anodonta cygnea</i> . <i>Marine and Freshwater Behaviour and Physiology</i> , <b>2008</b> , 41, 131-146	1.1	21
69	A morphometric and genetic comparison of <i>Sinanodonta woodiana</i> (Lea, 1834) populations: does shape really matter?. <i>Aquatic Invasions</i> , <b>2014</b> , 9, 183-194	2.9	19
68	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> , <b>2016</b> , 27, 3571-2	1.3	17
67	Unravelling the systematics of <i>Nodularia</i> (Bivalvia, Unionidae) species from eastern Russia. <i>Systematics and Biodiversity</i> , <b>2018</b> , 16, 287-301	1.7	17
66	Current and future effects of global change on a hotspot's freshwater diversity. <i>Science of the Total Environment</i> , <b>2018</b> , 635, 750-760	10.2	17

65	Morphological and molecular analyses of Anodontinae species (Bivalvia, Unionidae) of Lake Baikal and Transbaikalia. <i>PLoS ONE</i> , <b>2018</b> , 13, e0194944	3.7	17
64	Ecological status of a Margaritifera margaritifera (Linnaeus, 1758) population at the southern edge of its distribution (River Paiva, Portugal). <i>Environmental Management</i> , <b>2013</b> , 52, 1230-8	3.1	17
63	Discovery of a silicate rock-boring organism and macrobioerosion in fresh water. <i>Nature Communications</i> , <b>2018</b> , 9, 2882	17.4	16
62	Morphological and chemical characterization of mineral concretions in the freshwater bivalve <i>Anodonta cygnea</i> (Unionidae). <i>Journal of Morphology</i> , <b>2015</b> , 276, 65-76	1.6	16
61	Are <i>Cristaria herculea</i> (Middendorff, 1847) and <i>Cristaria plicata</i> (Leach, 1815) (Bivalvia, Unionidae) separate species?. <i>ZooKeys</i> , <b>2014</b> , 1-15	1.2	16
60	Studies on a PMCA-like protein in the outer mantle epithelium of <i>Anodonta cygnea</i> : insights on calcium transcellular dynamics. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>2008</b> , 178, 17-25	2.2	16
59	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> , <b>2017</b> , 83, 249-252	1.1	15
58	Potential impacts of the invasive species <i>Corbicula fluminea</i> on the survival of glochidia. <i>Science of the Total Environment</i> , <b>2019</b> , 673, 157-164	10.2	15
57	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> , <b>2016</b> , 26, 307-318	2.6	15
56	The female and male mitochondrial genomes of and the phylogeny of freshwater mussels (Bivalvia: Unionida). <i>Mitochondrial DNA Part B: Resources</i> , <b>2017</b> , 1, 954-957	0.5	15
55	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> , <b>2019</b> , 665, 329-337	10.2	15
54	Invasive crayfishes as a threat to freshwater bivalves: Interspecific differences and conservation implications. <i>Science of the Total Environment</i> , <b>2019</b> , 649, 938-948	10.2	15
53	Selective feeding by <i>Anodonta cygnea</i> (Linnaeus, 1771): The effects of seasonal changes and nutritional demands. <i>Limnologica</i> , <b>2014</b> , 44, 18-22	2	14
52	Microstructural Characterization of Inner Shell Layers in the Freshwater Bivalve <i>Anodonta cygnea</i> . <i>Journal of Shellfish Research</i> , <b>2010</b> , 29, 969-973	1	14
51	New freshwater mussel taxa discoveries clarify biogeographic division of Southeast Asia. <i>Scientific Reports</i> , <b>2020</b> , 10, 6616	4.9	14
50	Small hydropower plants as a threat to the endangered pearl mussel <i>Margaritifera margaritifera</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 719, 137361	10.2	13
49	Calcification mechanism in freshwater mussels: potential targets for cadmium. <i>Toxicological and Environmental Chemistry</i> , <b>2011</b> , 93, 1778-1787	1.4	13
48	Mesozoic mitogenome rearrangements and freshwater mussel (Bivalvia: Unionoidea) macroevolution. <i>Heredity</i> , <b>2020</b> , 124, 182-196	3.6	13

47	Freshwater conservation assessments in (semi-)arid regions: Testing river intermittence and buffer strategies using freshwater mussels ( <i>Bivalvia</i> , <i>Unionida</i> ) in Morocco. <i>Biological Conservation</i> , <b>2019</b> , 236, 420-434	6.2	12
46	Freshwater mussels house a diverse mussel-associated leech assemblage. <i>Scientific Reports</i> , <b>2019</b> , 9, 16449	4.9	12
45	Seasonal variations of pH, pCO <sub>2</sub> , pO <sub>2</sub> , HCO <sub>3</sub> <sup>-</sup> and Ca <sup>2+</sup> in the haemolymph: implications on the calcification physiology in <i>Anodonta cygnea</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , <b>2009</b> , 179, 279-86	2.2	12
44	Revisiting the North American freshwater mussel genus <i>Quadrula</i> sensu lato ( <i>Bivalvia</i> <i>Unionidae</i> ): Phylogeny, taxonomy and species delineation. <i>Zoologica Scripta</i> , <b>2019</b> , 48, 313-336	2.5	11
43	Oued Bouhlou: A new hope for the Moroccan pearl mussel. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2018</b> , 28, 247-251	2.6	10
42	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> , <b>2013</b> , 23, 619-623	2.6	10
41	Antiaggregant and toxic properties of different solutions on hemocytes of three freshwater bivalves. <i>Toxicological and Environmental Chemistry</i> , <b>2013</b> , 95, 790-805	1.4	10
40	Systematics and distribution of <i>Cristaria plicata</i> ( <i>Bivalvia</i> , <i>Unionidae</i> ) from the Russian Far East. <i>ZooKeys</i> , <b>2016</b> , 13-27	1.2	10
39	When and how? Freshwater mussel recolonization in Lake Orta. <i>Journal of Limnology</i> , <b>2016</b> , 75,	1.5	10
38	Eight new freshwater mussels ( <i>Unionidae</i> ) from tropical Asia. <i>Scientific Reports</i> , <b>2019</b> , 9, 12053	4.9	9
37	Variability of mitochondrial ORFans hints at possible differences in the system of doubly uniparental inheritance of mitochondria among families of freshwater mussels ( <i>Bivalvia</i> : <i>Unionida</i> ). <i>BMC Evolutionary Biology</i> , <b>2019</b> , 19, 229	3	9
36	Refuge in the sūya: Irrigation canals as habitat for one of the world's 100 most threatened species. <i>Biological Conservation</i> , <b>2019</b> , 238, 108209	6.2	8
35	First results on the genetic diversity of the invasive signal crayfish <i>Pacifastacus leniusculus</i> (Dana, 1852) in Europe using novel microsatellite loci. <i>Journal of Applied Genetics</i> , <b>2015</b> , 56, 375-80	2.5	8
34	Antibacterial effects of <i>Anodonta cygnea</i> fluids on <i>Escherichia coli</i> and enterococci multi-drug-resistant strains: environmental implications. <i>Toxicological and Environmental Chemistry</i> , <b>2014</b> , 96, 880-889	1.4	8
33	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> , <b>2020</b> , 111, 105987	5.8	7
32	Discovery of <i>Novaculina myanmarensis</i> sp. nov. ( <i>Bivalvia</i> : <i>Pharidae</i> : <i>Pharellinae</i> ) closes the freshwater razor clams range disjunction in Southeast Asia. <i>Scientific Reports</i> , <b>2018</b> , 8, 16325	4.9	7
31	Water mill canals as habitat for <i>Margaritifera margaritifera</i> : Stable refuge or an ecological trap?. <i>Ecological Indicators</i> , <b>2019</b> , 106, 105469	5.8	6
30	First record of the freshwater jellyfish <i>Craspedacusta sowerbii</i> Lankester, 1880 in Greece suggests distinct European invasion events. <i>Limnology</i> , <b>2015</b> , 16, 171-177	1.7	6

29	Towards the conservation of Borneo's freshwater mussels: rediscovery of the endemic <i>Ctenodesma borneensis</i> and first record of the non-native <i>Sinanodonta lauta</i> . <i>Biodiversity and Conservation</i> , <b>2020</b> , 29, 2235-2253	3.4	6
28	The effects of <i>Anodonta cygnea</i> biological fluids on biomineralization of chitosan membranes. <i>Journal of Membrane Science</i> , <b>2010</b> , 364, 82-89	9.6	6
27	Major shortfalls impairing knowledge and conservation of freshwater molluscs. <i>Hydrobiologia</i> , <b>2021</b> , 848, 2831-2867	2.4	6
26	Conservation status assessment and a new method for establishing conservation priorities for freshwater mussels (Bivalvia: Unionida) in the middle and lower reaches of the Yangtze River drainage. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2020</b> , 30, 1000-1011	2.6	5
25	The strange case of the tetragenous <i>Anodonta anatina</i> . <i>Journal of Experimental Zoology</i> , <b>2016</b> , 325, 52-6		5
24	Identification of distinct haemocyte populations from the freshwater bivalves swan mussel ( <i>Anodonta cygnea</i> ) and duck mussel ( <i>Anodonta anatina</i> ) using wheat-germ agglutinin. <i>Canadian Journal of Zoology</i> , <b>2017</b> , 95, 937-947	1.5	5
23	Phylogeny of European Anodontini (Bivalvia: Unionidae) with a redescription of <i>Anodonta exulcerata</i> . <i>Zoological Journal of the Linnean Society</i> , <b>2020</b> , 189, 745-761	2.4	5
22	The role of anthropogenic habitats in freshwater mussel conservation. <i>Global Change Biology</i> , <b>2021</b> , 27, 2298-2314	11.4	5
21	Assessment of a terrestrial protected area for the conservation of freshwater biodiversity. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2021</b> , 31, 520-530	2.6	5
20	The Influence of Hydrostatic Pressure on Shell Mineralization of <i>Anodonta cygnea</i> : A Comparative Study with a Hydrothermal Vent Bivalve <i>Bathymodiolus azoricus</i> . <i>Journal of Shellfish Research</i> , <b>2009</b> , 28, 899-904	1	4
19	Speeding up the detection of invasive aquatic species using environmental DNA and nanopore sequencing		4
18	Phylogeographic study of the West Australian freshwater mussel, <i>Westralunio carteri</i> , uncovers evolutionarily significant units that raise new conservation concerns. <i>Hydrobiologia</i> , <b>2021</b> , 848, 2951-2964	2.4	4
17	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> , <b>2019</b> , 4, 1417-1420	0.5	3
16	(Tapparone-Canefri, 1889), comb. nov., a forgotten freshwater mussel species from Myanmar (Bivalvia, Unionidae). <i>ZooKeys</i> , <b>2019</b> , 852, 23-30	1.2	3
15	Trophic niche overlap between native freshwater mussels (Order: Unionida) and the invasive <i>Corbicula fluminea</i> . <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2021</b> , 31, 2058-2071	2.6	3
14	Fish hosts of the freshwater mussel <i>Unio foucauldianus</i> Pallary, 1936. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2019</b> , 29, 2176-2184	2.6	2
13	Biomineralization studies on cellulose membrane exposed to biological fluids of <i>Anodonta cygnea</i> . <i>Journal of Membrane Biology</i> , <b>2014</b> , 247, 501-14	2.3	2
12	Growth and osmoregulation in <i>Salmo salar</i> L. juveniles: 1+, 1□ + and 2+ reared under restrained salinity. <i>Scientia Agricola</i> , <b>2013</b> , 70, 12-20	2.5	2

11	From the lab to the river: Determination of ecological hosts of <i>Anodonta anatina</i> . <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , <b>2020</b> , 30, 988-999	2.6	2
10	Effects of an extreme drought on the endangered pearl mussel <i>Margaritifera margaritifera</i> : a before/after assessment. <i>Hydrobiologia</i> , <b>2021</b> , 848, 3003-3013	2.4	2
9	Rival at the gate: first record of the Asian clam <i>Corbicula fluminea</i> Müller, 1774 (Bivalvia: Corbiculidae) in Greece. <i>Knowledge and Management of Aquatic Ecosystems</i> , <b>2020</b> , 24	1.4	1
8	A massive freshwater mussel bed (Bivalvia: Unionidae) in a small river in Ukraine. <i>Folia Malacologica</i> , <b>2015</b> , 23, 273-277	0.5	1
7	A preliminary checklist of the freshwater snails of Sabah (Malaysian Borneo) deposited in the BORNEENSIS collection, Universiti Malaysia Sabah. <i>ZooKeys</i> , <b>2017</b> , 105-123	1.2	1
6	<i>Microcondylaea bonellii</i> as a new host for the European bitterling <i>Rhodeus amarus</i> . <i>Knowledge and Management of Aquatic Ecosystems</i> , <b>2020</b> , 4	1.4	1
5	Alarming decline of freshwater trigger species in western Mediterranean key biodiversity areas. <i>Conservation Biology</i> , <b>2021</b> , 35, 1367-1379	6	1
4	A new genus and two new, rare freshwater mussel (Bivalvia: Unionidae) species endemic to Borneo are threatened by ongoing habitat destruction. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> ,	2.6	1
3	Predicting climatic threats to an endangered freshwater mussel in Europe: The need to account for fish hosts. <i>Freshwater Biology</i> , <b>2022</b> , 67, 842-856	3.1	0
2	Systematics, distribution, biology, and conservation of freshwater mussels (Bivalvia: Unionida) in China. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> ,	2.6	0
1	Correlation between the morpho-cytohistochemistry of the outer mantle epithelium of <i>Anodonta cygnea</i> with seasonal variations and following pollutant exposure. <i>Marine and Freshwater Behaviour and Physiology</i> , <b>2006</b> , 39, 235-243	1.1	