

David T Zanatta

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,095
citations

430442

18
h-index

454577

30
g-index

57
all docs

57
docs citations

57
times ranked

696
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Diversity, biogeography and conservation of freshwater mussels (Bivalvia: Unionida) in East and Southeast Asia. <i>Hydrobiologia</i> , 2018, 810, 29-44.	1.0	111
3	Evolution of active host-attraction strategies in the freshwater mussel tribe Lampsilini (Bivalvia: Unionida). <i>Journal of Great Lakes Research</i> , 2017, 43, 1-14.	1.2	55
4	Comparative analysis of riverscape genetic structure in rare, threatened and common freshwater mussels. <i>Conservation Genetics</i> , 2015, 16, 845-857.	0.8	51
5	A Refuge for Native Freshwater Mussels (Bivalvia: Unionidae) from Impacts of the Exotic Zebra Mussel (<i>Dreissena polymorpha</i>) in Lake St. Clair. <i>Journal of Great Lakes Research</i> , 2002, 28, 479-489.	0.8	46
6	Genetic structure and diversity of <i>Nodularia douglasiae</i> (Bivalvia: Unionida) from the middle and lower Yangtze River drainage. <i>PLoS ONE</i> , 2017, 12, e0189737.	1.1	40
7	The phylogeographical and management implications of genetic population structure in the imperiled snuffbox mussel, <i>Epioblasma triquetra</i> (Bivalvia: Unionidae). <i>Biological Journal of the Linnean Society</i> , 2003, 93, 371-384.	0.7	34
8	Testing congruency of geographic and genetic population structure for a freshwater mussel (Bivalvia: Unionida) and its host fish. <i>Biological Journal of the Linnean Society</i> , 2011, 102, 669-685.	0.7	34
9	Competitive Replacement of Invasive Congeners May Relax Impact on Native Species: Interactions among Zebra, Quagga, and Native Unionid Mussels. <i>PLoS ONE</i> , 2014, 9, e114926.	1.1	33
10	Phylogeography and Genetic Variability of the Freshwater Mussels (Bivalvia: Unionidae) <i>Elliptio venusta</i> (Conrad 1836), and <i>Villosa plebsii</i> (Marsh). <i>Journal of Great Lakes Research</i> , 2010, 36, 107-114.	1.0	10
11	Range-wide population genetic analysis of the endangered northern riffleshell mussel, <i>Epioblasma torulosa rangiana</i> (Bivalvia: Unionida). <i>Conservation Genetics</i> , 2007, 8, 1393-1404.	0.8	30
12	Detection of barriers to dispersal is masked by long lifespans and large population sizes. <i>Ecology and Evolution</i> , 2017, 7, 9613-9623.	0.8	29
13	Confirmation of <i>Obovaria olivaria</i> , Hickorynut Mussel (Bivalvia: Unionidae), in the Mississagi River, Ontario, Canada. <i>Northeastern Naturalist</i> , 2011, 18, 1-6.	0.1	27
14	Mesozoic mitogenome rearrangements and freshwater mussel (Bivalvia: Unionoidea) macroevolution. <i>Heredity</i> , 2020, 124, 182-196.	1.2	27
15	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
16	Population structure and mantle display polymorphisms in the wavy-rayed lampmussel, <i>Lampsilis fasciola</i> (Bivalvia: Unionidae). <i>Canadian Journal of Zoology</i> , 2007, 85, 1169-1181.	0.4	25
17	Unionid mussels from nearshore zones of Lake Erie. <i>Journal of Great Lakes Research</i> , 2011, 37, 199-202.	0.8	21
18	Distribution of Native Mussel (Unionidae) Assemblages in Coastal Areas of Lake Erie, Lake St. Clair, and Connecting Channels, Twenty-Five Years After a Dreissenid Invasion. <i>Northeastern Naturalist</i> , 2015, 22, 223-235.	0.1	21

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19	Environmental drivers of shell shape in a freshwater gastropod from small and large lakes. <i>Freshwater Science</i> , 2016, 35, 948-957.	0.9	21
20	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> , 2020, 30, 1000-1011.	0.9	21
21	Testing the utility of DNA barcodes and a preliminary phylogenetic framework for Chinese freshwater mussels (Bivalvia: Unionidae) from the middle and lower Yangtze River. <i>PLoS ONE</i> , 2018, 13, e0200956.	1.1	20
22	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
23	High genetic diversity and low differentiation in North American <i>Margaritifera margaritifera</i> (Bivalvia: Unionida: Margaritiferidae). <i>Biological Journal of the Linnean Society</i> , 2018, 123, 850-863.	0.7	16
24	Phylogeography of the freshwater mussel species <i>Lasmigona costata</i> : testing post-glacial colonization hypotheses. <i>Hydrobiologia</i> , 2018, 810, 191-206.	1.0	15
25	Signature of postglacial colonization on contemporary genetic structure and diversity of <i>Quadrula quadrula</i> (Bivalvia: Unionidae). <i>Hydrobiologia</i> , 2018, 810, 207-225.	1.0	15
26	Assessment of remnant unionid assemblages in a selection of Great Lakes coastal wetlands. <i>Journal of Great Lakes Research</i> , 2013, 39, 201-210.	0.8	13
27	Systematics, distribution, biology, and conservation of freshwater mussels (Bivalvia: Unionida) in China. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2022, 32, 859-895.	0.9	12
28	Development and characterization of microsatellite markers for the endangered northern riffleshell mussel <i>Epioblasma torulosa rangiana</i> (Bivalvia: Unionidae). <i>Molecular Ecology Notes</i> , 2006, 6, 850-852.	1.7	11
29	Genetic evidence for canal-mediated dispersal of Mapleleaf, <i>Quadrula quadrula</i> (Bivalvia: Unionidae) on the Niagara Peninsula, Canada. <i>Freshwater Science</i> , 2018, 37, 82-95.	0.9	11
30	Investigating the genetic variation and structure of a native unionid mussel in the Laurentian Great Lakes following an invasion of dreissenid mussels. <i>Biological Invasions</i> , 2015, 17, 351-364.	1.2	10
31	An evaluation of the genetic structure of mapleleaf mussels (<i>Quadrula quadrula</i>) in the Lake Erie watershed. <i>Journal of Great Lakes Research</i> , 2015, 41, 1123-1130.	0.8	9
32	A multi-basin approach determines variability in host fish suitability for unionids in tributaries of the Laurentian Great Lakes. <i>Freshwater Biology</i> , 2016, 61, 1035-1048.	1.2	9
33	Reassessment of the phylogenetic relationships among Anodonta, Pyganodon, and Utterbackia (Bivalvia: Unionoida) using mutation coding of allozyme data. <i>Proceedings of the Academy of Natural Sciences of Philadelphia</i> , 2007, 156, 211-216.	1.3	8
34	Insular lake island biogeography: using lake metrics to predict diversity in littoral zone mollusk communities. <i>Journal of the North American Benthological Society</i> , 2011, 30, 997-1008.	3.0	8
35	Modeling habitat of freshwater mussels (Bivalvia: Unionidae) in the lower Great Lakes 25 years after the <i>Dreissena</i> invasion. <i>Freshwater Science</i> , 2018, 37, 330-342.	0.9	8
36	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

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37	Population Genetic Analyses of <i>Lampsilis cardium</i> (Bivalvia: Unionida) Reveal Multiple Post-Glacial Colonization Routes into the Great Lakes Drainage. <i>American Malacological Bulletin</i> , 2019, 37, 21.	0.2	8
38	Reproductive traits of nine freshwater mussel species (Mollusca: Unionidae) from Poyang Lake, China. <i>Journal of Molluscan Studies</i> , 2018, 84, 324-332.	0.4	7
39	Development and characterization of nine microsatellite loci for the endangered Kidneyshell, <i>Ptychobranhus fasciolaris</i> , and cross-amplification in closely-related lampsilines (Bivalvia: Unionida). <i>Conservation Genetics Resources</i> , 2016, 8, 359-370.	0.4	6
40	Microsatellite records for volume 8, issue 3. <i>Conservation Genetics Resources</i> , 2016, 8, 359-370.	0.4	6
41	Development and characterization of 29 microsatellite markers for <i>Ligumia nasuta</i> (Bivalvia: Unionida). <i>Conservation Genetics Resources</i> , 2016, 8, 359-370.	0.6	6
42	Microsatellite analysis of genetic diversity and genetic structure of the Chinese freshwater mussel <i>Solenia carinata</i> (Bivalvia: Unionidae). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018, 28, 37-44.	0.9	6
43	Assessment of genetic diversity and structure among populations of <i>Epioblasma triquetra</i> in the Laurentian Great Lakes drainage. <i>Freshwater Science</i> , 2019, 38, 527-542.	0.9	6
44	Population structure, genetic diversity, and colonization history of the eastern pondmussel, <i>Sagittunio nasutus</i> , in the Great Lakes drainage. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2020, 30, 631-646.	0.9	6
45	Genetic diversity maintained in comparison of captive-propagated and wild populations of <i>Lampsilis fasciola</i> and <i>Ptychobranhus fasciolaris</i> (Bivalvia: Unionidae). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 1312-1320.	0.7	5
46	Isolation and characterization of microsatellite loci in the freshwater mussel <i>Lasmigona costata</i> (Bivalvia: Unionida). <i>Conservation Genetics Resources</i> , 2011, 3, 9-11.	0.4	4
47	Mitochondrial DNA Structure of <i>Pyganodon grandis</i> (Bivalvia: Unionidae) from the Lake Erie Watershed and Selected Locations in its Northern Distribution. <i>American Malacological Bulletin</i> , 2015, 33, 34-42.	0.2	4
48	Detection of hybrid <i>Pyganodon grandis</i> and <i>P. lacustris</i> (Bivalvia: Unionidae) using F- and M-type mitochondrial DNA sequences and geometric morphometrics. <i>Journal of Molluscan Studies</i> , 2020, 86, 233-239.	0.4	4
49	Boundaries and hybridization in a secondary contact zone between freshwater mussel species (Family: Unionidae). <i>Heredity</i> , 2021, 126, 955-973.	1.2	4
50	RAD-tag and mitochondrial DNA sequencing reveal the genetic structure of a widespread and regionally imperiled freshwater mussel, <i>Obovaria olivaria</i> (Bivalvia: Unionidae). <i>Ecology and Evolution</i> , 2022, 12, e8560.	0.8	3
51	Morphometric Analyses Distinguish Wabash Pigtoe (<i>Fusconaia flava</i>) and Round Pigtoe (<i>Pleurobema</i>). <i>American Malacological Bulletin</i> , 2015, 33, 34-42.	0.7	3
52	Co-varying patterns of genetic diversity and structure with life-history traits of freshwater mussel species (Bivalvia: Unionidae) in the Poyang Lake drainage, China. <i>Freshwater Science</i> , 2020, 39, 213-227.	0.9	2
53	Mitochondrial Dna Variation in the Eastern Pondmussel, <i>Ligumia nasuta</i> (Bivalvia: Unionida), in the Great Lakes Region. <i>Freshwater Mollusk Biology and Conservation</i> , 2014, 17, 60.	0.4	2
54	Use of Morphometric Analyses and DNA Barcoding to Distinguish <i>Truncilla donaciformis</i> and <i>Truncilla truncata</i> (Bivalvia: Unionidae). <i>Freshwater Mollusk Biology and Conservation</i> , 2020, 23, .	0.4	2

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55	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). Mitochondrial DNA Part B: Resources, 2020, 5, 2959-2961.	0.2	1
56	New microsatellite markers for <i>Ellipse</i> , <i>Venustaconcha ellipsiformis</i> (Bivalvia: Unionidae), with notes on optimal sample size and cross-species amplification. Molecular Biology Reports, 2021, 48, 3037-3045.	1.0	1
57	Utility of Shell-Valve Outlines for Distinguishing among Four Lampsiline Mussel Species (Bivalvia: Tj ETQq1 1 0.784314 rgBT /Overloc	0.4	1