

Caryn C Vaughn

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

5,522
citations

94433

37
h-index

82547

72
g-index

81
all docs

81
docs citations

81
times ranked

3354
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Latitudinal variation in freshwater mussel potential maximum length in Eastern North America. <i>Freshwater Biology</i> , 2022, 67, 1020-1034. | 2.4 | 2 |
| 2 | Do mobile consumers homogenize the distribution of resources in stream food webs? A test with overlapping fish and mussel aggregations. <i>Freshwater Biology</i> , 2022, 67, 684-694. | 2.4 | 3 |
| 3 | Mercury consumption and human health: Linking pollution and social risk perception in the southeastern United States. <i>Journal of Environmental Management</i> , 2021, 282, 111528. | 7.8 | 18 |
| 4 | A review and evaluation of the effects of hydrodynamic variables on freshwater mussel communities. <i>Freshwater Biology</i> , 2021, 66, 1665-1679. | 2.4 | 13 |
| 5 | Goodbye to “Rough Fish” Paradigm Shift in the Conservation of Native Fishes. <i>Fisheries</i> , 2021, 46, 605-616. | 0.8 | 38 |
| 6 | Mussels and Local Conditions Interact to Influence Microbial Communities in Mussel Beds. <i>Frontiers in Microbiology</i> , 2021, 12, 790554. | 3.5 | 5 |
| 7 | Freshwater mussels increase survival of largemouth bass (<i>Micropterus salmoides</i>) in drying pools. <i>Ecology of Freshwater Fish</i> , 2020, 29, 220-229. | 1.4 | 6 |
| 8 | Animal effects on dissolved organic carbon bioavailability in an algal controlled ecosystem. <i>Freshwater Biology</i> , 2020, 65, 1298-1310. | 2.4 | 16 |
| 9 | Emergent Hydrodynamics and Skimming Flow Over Mussel Covered Beds in Rivers. <i>Water Resources Research</i> , 2020, 56, e2019WR026252. | 4.2 | 16 |
| 10 | Animal aggregations promote emergent aquatic plant production at the aquatic-terrestrial interface. <i>Ecology</i> , 2020, 101, e03126. | 3.2 | 14 |
| 11 | Population Genetics of a Common Freshwater Mussel, <i>Amblema plicata</i> , in a Southern U.S. River. <i>Freshwater Mollusk Biology and Conservation</i> , 2020, 23, . | 0.4 | 1 |
| 12 | Freshwater mussels alter fish distributions through habitat modifications at fine spatial scales. <i>Freshwater Science</i> , 2019, 38, 702-712. | 1.8 | 17 |
| 13 | Drought-Induced, Punctuated Loss of Freshwater Mussels Alters Ecosystem Function Across Temporal Scales. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, . | 2.2 | 36 |
| 14 | Research priorities for freshwater mussel conservation assessment. <i>Biological Conservation</i> , 2019, 231, 77-87. | 4.1 | 156 |
| 15 | Ecosystem services provided by freshwater mussels. <i>Hydrobiologia</i> , 2018, 810, 15-27. | 2.0 | 291 |
| 16 | Consumer Aggregations Drive Nutrient Dynamics and Ecosystem Metabolism in Nutrient-Limited Systems. <i>Ecosystems</i> , 2018, 21, 521-535. | 3.4 | 31 |
| 17 | Effects of Juvenile Settling and Drift Rates on Freshwater Mussel Dispersal. <i>American Midland Naturalist</i> , 2018, 180, 258-272. | 0.4 | 7 |
| 18 | Ecosystem Services across US Watersheds: A Meta-Analysis of Studies 2000-2014. , 2018, , . | | 1 |

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|----|--|-----|-----------|
| 19 | Biomass distribution of fishes and mussels mediates spatial and temporal heterogeneity in nutrient cycling in streams. <i>Oecologia</i> , 2018, 188, 1133-1144. | 2.0 | 25 |
| 20 | Bivalve Impacts in Freshwater and Marine Ecosystems. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2018, 49, 183-208. | 8.3 | 172 |
| 21 | Applying Place-Based Social-Ecological Research to Address Water Scarcity: Insights for Future Research. <i>Sustainability</i> , 2018, 10, 1516. | 3.2 | 19 |
| 22 | Prioritizing sites for conservation based on similarity to historical baselines and feasibility of protection. <i>Conservation Biology</i> , 2018, 32, 1118-1127. | 4.7 | 17 |
| 23 | Long-term persistence of freshwater mussel beds in labile river channels. <i>Freshwater Biology</i> , 2018, 63, 1469-1481. | 2.4 | 30 |
| 24 | Consumer Aggregations Drive Nutrient Dynamics and Ecosystem Metabolism in Nutrient-Limited Systems. <i>Ecosystems</i> , 2017, 21, 521-535. | 3.4 | 0 |
| 25 | Willingness to Pay for Ecosystem Services among Stakeholder Groups in a South-Central U.S. Watershed with Regional Conflict. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, . | 2.6 | 37 |
| 26 | Social Demand for Ecosystem Services and Implications for Watershed Management. <i>Journal of the American Water Resources Association</i> , 2016, 52, 209-221. | 2.4 | 71 |
| 27 | Growth and Longevity Estimates for Mussel Populations in Three Ouachita Mountain Rivers. <i>Freshwater Mollusk Biology and Conservation</i> , 2016, 19, 19. | 0.4 | 8 |
| 28 | Drought-induced changes in flow regimes lead to long-term losses in mussel-provided ecosystem services. <i>Ecology and Evolution</i> , 2015, 5, 1291-1305. | 1.9 | 83 |
| 29 | Do protected areas networks ensure the supply of ecosystem services? Spatial patterns of two nature reserve systems in semi-arid Spain. <i>Applied Geography</i> , 2015, 60, 1-9. | 3.7 | 116 |
| 30 | Developing environmental flow recommendations for freshwater mussels using the biological traits of species guilds. <i>Freshwater Biology</i> , 2015, 60, 620-635. | 2.4 | 41 |
| 31 | Limited movement of freshwater mussel fish hosts in a southern US river. <i>Hydrobiologia</i> , 2015, 757, 223-233. | 2.0 | 7 |
| 32 | Biogeochemical hotspots: temporal and spatial scaling of the impact of freshwater mussels on ecosystem function. <i>Freshwater Biology</i> , 2015, 60, 563-574. | 2.4 | 108 |
| 33 | Long-lived organisms provide an integrative footprint of agricultural land use. , 2014, 24, 375-384. | | 28 |
| 34 | Tracing Consumer-Derived Nitrogen in Riverine Food Webs. <i>Ecosystems</i> , 2014, 17, 485-496. | 3.4 | 55 |
| 35 | Ecosystem service trade-offs from supply to social demand: A landscape-scale spatial analysis. <i>Landscape and Urban Planning</i> , 2014, 132, 102-110. | 7.5 | 207 |
| 36 | Species and function lost: Role of drought in structuring stream communities. <i>Biological Conservation</i> , 2014, 176, 30-38. | 4.1 | 60 |

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|----|--|-----|-----------|
| 37 | A Tale of Two Rivers: Implications of Water Management Practices for Mussel Biodiversity Outcomes During Droughts. <i>Ambio</i> , 2013, 42, 881-891. | 5.5 | 31 |
| 38 | Aggregated filter-feeding consumers alter nutrient limitation: consequences for ecosystem and community dynamics. <i>Ecology</i> , 2013, 94, 1359-1369. | 3.2 | 131 |
| 39 | Profiles of Biochemical Tracers in Unionid Mussels Across a Broad Geographical Range. <i>Journal of Shellfish Research</i> , 2013, 32, 497-507. | 0.9 | 25 |
| 40 | Organized Oral Session 44: Impacts of Species Addition and Species Loss on Ecosystem Function in Freshwater Systems. <i>Bulletin of the Ecological Society of America</i> , 2012, 93, 402-408. | 0.2 | 2 |
| 41 | Scale-dependent longitudinal patterns in mussel communities. <i>Freshwater Biology</i> , 2012, 57, 2272-2284. | 2.4 | 54 |
| 42 | Bottom-up biodiversity effects increase resource subsidy flux between ecosystems. <i>Ecology</i> , 2012, 93, 2165-2174. | 3.2 | 85 |
| 43 | Life history traits and abundance can predict local colonisation and extinction rates of freshwater mussels. <i>Freshwater Biology</i> , 2012, 57, 982-992. | 2.4 | 76 |
| 44 | Species traits and environmental gradients interact to govern primary production in freshwater mussel communities. <i>Oikos</i> , 2012, 121, 403-416. | 2.7 | 21 |
| 45 | Species traits and environmental conditions govern the relationship between biodiversity effects across trophic levels. <i>Oecologia</i> , 2012, 168, 533-548. | 2.0 | 37 |
| 46 | Density-dependent biodiversity effects on physical habitat modification by freshwater bivalves. <i>Ecology</i> , 2011, 92, 1013-1019. | 3.2 | 43 |
| 47 | Effects of reservoir management on abundance, condition, parasitism and reproductive traits of downstream mussels. <i>River Research and Applications</i> , 2011, 27, 193-201. | 1.7 | 37 |
| 48 | Density-dependent biodiversity effects on physical habitat modification by freshwater bivalves. <i>Ecology</i> , 2011, 92, 1013-1019. | 3.2 | 12 |
| 49 | Biodiversity Losses and Ecosystem Function in Freshwaters: Emerging Conclusions and Research Directions. <i>BioScience</i> , 2010, 60, 25-35. | 4.9 | 271 |
| 50 | Complex hydraulic and substrate variables limit freshwater mussel species richness and abundance. <i>Journal of the North American Benthological Society</i> , 2010, 29, 383-394. | 3.1 | 110 |
| 51 | Synergistic effects of regional climate patterns and local water management on freshwater mussel communities. <i>Biological Conservation</i> , 2010, 143, 1175-1183. | 4.1 | 86 |
| 52 | Comparison of gill surface morphology across a guild of suspension-feeding unionid bivalves. <i>Journal of Molluscan Studies</i> , 2009, 75, 103-107. | 1.2 | 28 |
| 53 | Temperature and food interact to influence gamete development in freshwater mussels. <i>Hydrobiologia</i> , 2009, 636, 35-47. | 2.0 | 50 |
| 54 | Burrowing behavior of freshwater mussels in experimentally manipulated communities. <i>Journal of the North American Benthological Society</i> , 2009, 28, 93-100. | 3.1 | 103 |

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|----|---|-----|-----------|
| 55 | Species richness and temperature influence mussel biomass: a partitioning approach applied to natural communities. <i>Ecology</i> , 2009, 90, 781-790. | 3.2 | 35 |
| 56 | Environmental variables interact across spatial scales to structure trichopteran assemblages in Ouachita Mountain rivers. <i>Hydrobiologia</i> , 2008, 596, 401-411. | 2.0 | 29 |
| 57 | A trait-based approach to speciesâ€™ roles in stream ecosystems: climate change, community structure, and material cycling. <i>Oecologia</i> , 2008, 158, 307-317. | 2.0 | 152 |
| 58 | Community and foodweb ecology of freshwater mussels. <i>Journal of the North American Benthological Society</i> , 2008, 27, 409-423. | 3.1 | 285 |
| 59 | Status of Rare and Endangered Freshwater Mussels in Southeastern Oklahoma. <i>Southwestern Naturalist</i> , 2008, 53, 45-50. | 0.1 | 26 |
| 60 | CONTEXT-DEPENDENT SPECIES IDENTITY EFFECTS WITHIN A FUNCTIONAL GROUP OF FILTER-FEEDING BIVALVES. <i>Ecology</i> , 2007, 88, 1654-1662. | 3.2 | 97 |
| 61 | Population genetics of the freshwater mussel, <i>Amblema plicata</i> (Say 1817) (Bivalvia: Unionidae): Evidence of high dispersal and post-glacial colonization. <i>Conservation Genetics</i> , 2007, 8, 355-372. | 1.5 | 71 |
| 62 | Unionid mussels influence macroinvertebrate assemblage structure in streams. <i>Journal of the North American Benthological Society</i> , 2006, 25, 691-700. | 3.1 | 126 |
| 63 | Context-dependent effects of freshwater mussels on stream benthic communities. <i>Freshwater Biology</i> , 2006, 51, 1016-1024. | 2.4 | 181 |
| 64 | Scale-dependent associations between native freshwater mussels and invasive <i>Corbicula</i> . <i>Hydrobiologia</i> , 2006, 568, 331-339. | 2.0 | 42 |
| 65 | SOUTHERN PLAINS RIVERS. , 2005, , 282-325. | | 22 |
| 66 | Status of the Mussel Fauna of the Poteau River and Implications for Commercial Harvest. <i>American Midland Naturalist</i> , 2004, 152, 336-346. | 0.4 | 11 |
| 67 | Ecosystem Processes Performed by Unionid Mussels in Stream Mesocosms: Species Roles and Effects of Abundance. <i>Hydrobiologia</i> , 2004, 527, 35-47. | 2.0 | 150 |
| 68 | The functional role of burrowing bivalves in freshwater ecosystems. <i>Freshwater Biology</i> , 2001, 46, 1431-1446. | 2.4 | 623 |
| 69 | Macroecology of a hostâ€“parasite relationship. <i>Ecography</i> , 2000, 23, 11-20. | 4.5 | 123 |
| 70 | Macroecology of a host-parasite relationship. <i>Ecography</i> , 2000, 23, 11-20. | 4.5 | 28 |
| 71 | Impoundments and the Decline of Freshwater Mussels: a Case Study of an Extinction Gradient. <i>Conservation Biology</i> , 1999, 13, 912-920. | 4.7 | 231 |
| 72 | Regional patterns of mussel species distributions in North American rivers. <i>Ecography</i> , 1997, 20, 107-115. | 4.5 | 77 |

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|----|---|-----|-----------|
| 73 | Characterization of Prairie Mole Cricket Chorus Sites in Oklahoma. <i>American Midland Naturalist</i> , 1993, 130, 364. | 0.4 | 12 |
| 74 | Habitat Preference of the Endangered American Burying Beetle (<i>Nicrophorus americanus</i>) in Oklahoma. <i>Southwestern Naturalist</i> , 1993, 38, 275. | 0.1 | 21 |
| 75 | Effects of Algivorous Minnows on Production of Grazing Stream Invertebrates. <i>Oikos</i> , 1993, 66, 119. | 2.7 | 33 |
| 76 | Dispersion of the Salt-Marsh Periwinkle <i>Littoraria irrorata</i> : Effects of Water Level, Size, and Season. <i>Estuaries and Coasts</i> , 1992, 15, 246. | 1.7 | 39 |
| 77 | Vertical migration as a refuge from predation in intertidal marsh snails: A field test. <i>Journal of Experimental Marine Biology and Ecology</i> , 1988, 123, 163-176. | 1.5 | 54 |
| 78 | Substratum preference of the caddisfly <i>Helicopsyche borealis</i> (Hagen) (Trichoptera: Helicopsychidae). <i>Hydrobiologia</i> , 1987, 154, 201-205. | 2.0 | 8 |
| 79 | The role of periphyton abundance and quality in the microdistribution of a stream grazer, <i>Helicopsyche borealis</i> (Trichoptera: Helicopsychidae). <i>Freshwater Biology</i> , 1986, 16, 485-493. | 2.4 | 60 |
| 80 | Life History of <i>Helicopsyche borealis</i> (Hagen) (Trichoptera: Helicopsychidae) in Oklahoma. <i>American Midland Naturalist</i> , 1985, 113, 76. | 0.4 | 15 |
| 81 | Distribution of chironomids in the littoral zone of Lake Texoma, Oklahoma and Texas. <i>Hydrobiologia</i> , 1982, 89, 177-188. | 2.0 | 14 |