

John C Maerz

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

4,592
citations

117625

34
h-index

114465

63
g-index

115
all docs

115
docs citations

115
times ranked

4857
citing authors

#	ARTICLE	IF	CITATIONS
1	Sex-related differences in aging rate are associated with sex chromosome system in amphibians. <i>Evolution; International Journal of Organic Evolution</i> , 2022, 76, 346-356.	2.3	7
2	Gopher tortoise (<i>Gopherus polyphemus</i>) resource selection within a private working pine (<i>Pinus</i> spp.) forest landscape. <i>Forest Ecology and Management</i> , 2022, 510, 120112.	3.2	1
3	How plants affect amphibian populations. <i>Biological Reviews</i> , 2022, 97, 1749-1767.	10.4	8
4	Population viability analysis for a pond-breeding amphibian under future drought scenarios in the southeastern United States. <i>Global Ecology and Conservation</i> , 2022, 36, e02119.	2.1	6
5	Breeding Dynamics of Gopher Frog Metapopulations Over 10 Years. <i>Journal of Fish and Wildlife Management</i> , 2022, 13, 422-436.	0.9	1
6	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. <i>Science</i> , 2022, 376, 1459-1466.	12.6	34
7	Effects of Salinity on Hatchling Diamond-Backed Terrapin (<i>Malaclemys terrapin</i>) Growth, Behavior, and Stress Physiology. <i>Herpetologica</i> , 2021, 77, 45-55.	0.4	7
8	Tracing carbon flow through a sugar maple forest and its soil components: role of invasive earthworms. <i>Plant and Soil</i> , 2021, 464, 517-537.	3.7	5
9	Ground cover and native ant predation influence survival of metamorphic amphibians in a southeastern pine savanna undergoing restoration. <i>Restoration Ecology</i> , 2021, 29, e13410.	2.9	6
10	Experimental confirmation of effects of leaf litter type and light on tadpole performance for two priority amphibians. <i>Ecosphere</i> , 2021, 12, e03729.	2.2	9
11	Predicted alteration of surface activity as a consequence of climate change. <i>Ecology</i> , 2020, 101, e03154.	3.2	8
12	Experimental N and P additions relieve stoichiometric constraints on organic matter flows through five stream food webs. <i>Journal of Animal Ecology</i> , 2020, 89, 1468-1481.	2.8	8
13	Estimating population persistence for at-risk species using citizen science data. <i>Biological Conservation</i> , 2020, 243, 108489.	4.1	12
14	Expert-Informed Habitat Suitability Analysis for At-Risk Species Assessment and Conservation Planning. <i>Journal of Fish and Wildlife Management</i> , 2020, 11, 130-150.	0.9	20
15	Density-Dependent Fitness Attributes and Carry-Over Effects in Crawfish Frogs (<i>Rana areolata</i>), a Species of Conservation Concern. <i>Copeia</i> , 2020, 108, 443.	1.3	2
16	Side-swiped: ecological cascades emanating from earthworm invasions. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 502-510.	4.0	60
17	Experimental N and P additions alter stream macroinvertebrate community composition via taxon-level responses to shifts in detrital resource stoichiometry. <i>Functional Ecology</i> , 2019, 33, 855-867.	3.6	15
18	Integrating Ecophysiological and Agent-Based Models to Simulate How Behavior Moderates Salamander Sensitivity to Climate. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	19

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19	Seasonal and plant specific vulnerability of amphibian tadpoles to the invasion of a novel cyanobacteria. <i>Biological Invasions</i> , 2019, 21, 821-831.	2.4	7
20	Natural Behavior. , 2019, , 90-99.e4.		0
21	Integrated analysis for population estimation, management impact evaluation, and decision-making for a declining species. <i>Biological Conservation</i> , 2018, 222, 33-43.	4.1	15
22	Litter P content drives consumer production in detritus-based streams spanning an experimental N:P gradient. <i>Ecology</i> , 2018, 99, 347-359.	3.2	34
23	Multiple drivers, scales, and interactions influence southern Appalachian stream salamander occupancy. <i>Ecosphere</i> , 2018, 9, e02150.	2.2	15
24	Migratory monarchs that encounter resident monarchs show life-history differences and higher rates of parasite infection. <i>Ecology Letters</i> , 2018, 21, 1670-1680.	6.4	48
25	A global database of nitrogen and phosphorus excretion rates of aquatic animals. <i>Ecology</i> , 2017, 98, 1475-1475.	3.2	26
26	Experimental nutrient enrichment of forest streams increases energy flow to predators along greener food-web pathways. <i>Freshwater Biology</i> , 2017, 62, 1794-1805.	2.4	25
27	Habitat predictors of genetic diversity for two sympatric wetland-breeding amphibian species. <i>Ecology and Evolution</i> , 2017, 7, 6271-6283.	1.9	8
28	The unseen invaders: introduced earthworms as drivers of change in plant communities in North American forests (a meta-analysis). <i>Global Change Biology</i> , 2017, 23, 1065-1074.	9.5	107
29	Lizard Activity and Abundance Greater in Burned Habitat of a Xeric Montane Forest. <i>Journal of Fish and Wildlife Management</i> , 2017, 8, 181-192.	0.9	7
30	Possible Role of Fish and Frogs as Paratenic Hosts of <i>Dracunculus medinensis</i> , Chad. <i>Emerging Infectious Diseases</i> , 2016, 22, 1428-1430.	4.3	46
31	Convergence of detrital stoichiometry predicts thresholds of nutrient-stimulated breakdown in streams. <i>Ecological Applications</i> , 2016, 26, 1745-1757.	3.8	39
32	Evaporative Water Loss Rates of Four Species of Aquatic Turtles from the Coastal Plain of the Southeastern United States. <i>Journal of Herpetology</i> , 2016, 50, 457-463.	0.5	6
33	Patch occupancy of stream fauna across a land cover gradient in the southern Appalachians, USA. <i>Hydrobiologia</i> , 2016, 773, 163-175.	2.0	10
34	Color perception influences microhabitat selection of refugia and affects monitoring success for a cryptic anuran species. <i>Physiology and Behavior</i> , 2016, 164, 54-57.	2.1	4
35	Migratory monarchs wintering in California experience low infection risk compared to monarchs breeding year-round on non-native milkweed. <i>Integrative and Comparative Biology</i> , 2016, 56, 343-352.	2.0	49
36	Detection of an Enigmatic Plethodontid Salamander Using Environmental DNA. <i>Copeia</i> , 2016, 104, 78-82.	1.3	19

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37	Context-dependent responses to light contribute to responses by Black-bellied Salamanders (<i>Desmognathus quadramaculatus</i>) to landscape disturbances. Canadian Journal of Zoology, 2016, 94, 7-13.	1.0	8
38	Stoichiometry and estimates of nutrient standing stocks of larval salamanders in Appalachian headwater streams. Freshwater Biology, 2015, 60, 1340-1353.	2.4	21
39	Detecting Enigmatic Declines of a Once Common Salamander in the Coastal Plain of Georgia. Southeastern Naturalist, 2015, 14, 771-784.	0.4	8
40	Diet composition of two larval headwater stream salamanders and spatial distribution of prey. Freshwater Biology, 2015, 60, 2424-2434.	2.4	8
41	Salamander growth rates increase along an experimental stream phosphorus gradient. Ecology, 2015, 96, 2994-3004.	3.2	13
42	Low to moderate nitrogen and phosphorus concentrations accelerate microbially driven litter breakdown rates. Ecological Applications, 2015, 25, 856-865.	3.8	60
43	When Drivers and Terrapins Collide: Assessing Stakeholder Attitudes Toward Wildlife Management on the Jekyll Island Causeway. Human Dimensions of Wildlife, 2015, 20, 1-14.	1.8	17
44	What can turtles teach us about the theory of ecological stoichiometry?. Freshwater Biology, 2015, 60, 443-455.	2.4	18
45	Variable infection of stream salamanders in the southern Appalachians by the trematode <i>Metagonimoides oregonensis</i> (family: Heterophyidae). Parasitology Research, 2015, 114, 3159-3165.	1.6	3
46	Detrital stoichiometry as a critical nexus for the effects of streamwater nutrients on leaf litter breakdown rates. Ecology, 2015, 96, 2214-2224.	3.2	59
47	Earthworms increase soil microbial biomass carrying capacity and nitrogen retention in northern hardwood forests. Soil Biology and Biochemistry, 2015, 87, 51-58.	8.8	71
48	Spatial Ecology of Female Barbour's Map Turtles (<i>Graptemys barbouri</i>) in Ichawaynochaway Creek, Georgia. Copeia, 2015, 103, 263-271.	1.3	9
49	Loss of migratory behaviour increases infection risk for a butterfly host. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141734.	2.6	129
50	Effects of Vegetation Structure and Artificial Nesting Habitats on Hatchling Sex Determination and Nest Survival of Diamondback Terrapins. Journal of Fish and Wildlife Management, 2015, 6, 19-28.	0.9	9
51	Riparian disturbance restricts in-stream movement of salamanders. Freshwater Biology, 2014, 59, 2354-2364.	2.4	22
52	Grass invasion increases top-down pressure on an amphibian via structurally mediated effects on an intraguild predator. Ecology, 2014, 95, 1724-1730.	3.2	36
53	Estimating the consequences of multiple threats and management strategies for semi-aquatic turtles. Journal of Applied Ecology, 2014, 51, 359-366.	4.0	38
54	Hot spots and hot moments of diamondback terrapin road-crossing activity. Journal of Applied Ecology, 2014, 51, 367-375.	4.0	31

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55	Exploring carbon flow through the root channel in a temperate forest soil food web. <i>Soil Biology and Biochemistry</i> , 2014, 76, 45-52.	8.8	54
56	Experimental Feeding of <i>Hydrilla verticillata</i> Colonized by Stigonematales Cyanobacteria Induces Vacuolar Myelinopathy in Painted Turtles (<i>Chrysemys picta</i>). <i>PLoS ONE</i> , 2014, 9, e93295.	2.5	9
57	Identifying Priority Species and Conservation Opportunities Under Future Climate Scenarios: Amphibians in a Biodiversity Hotspot. <i>Journal of Fish and Wildlife Management</i> , 2014, 5, 282-297.	0.9	29
58	Earthworm effects on the incorporation of litter C and N into soil organic matter in a sugar maple forest. <i>Ecological Applications</i> , 2013, 23, 1185-1201.	3.8	72
59	Earthworms, litter and soil carbon in a northern hardwood forest. <i>Biogeochemistry</i> , 2013, 114, 269-280.	3.5	34
60	Realistic Fasting Does Not Affect Stable Isotope Levels of a Metabolically Efficient Salamander. <i>Journal of Herpetology</i> , 2013, 47, 544-548.	0.5	6
61	Root carbon flow from an invasive plant to belowground foodwebs. <i>Plant and Soil</i> , 2012, 359, 233-244.	3.7	34
62	Traits, not origin, explain impacts of plants on larval amphibians. <i>Ecological Applications</i> , 2012, 22, 218-228.	3.8	63
63	Assessing Stress Levels of Captive-Reared Amphibians with Hematological Data: Implications for Conservation Initiatives. <i>Journal of Herpetology</i> , 2011, 45, 40-44.	0.5	22
64	Using Parasitic Trematode Larvae to Quantify an Elusive Vertebrate Host. <i>Conservation Biology</i> , 2011, 25, 85-93.	4.7	38
65	The conservation implications of riparian land use on river turtles. <i>Animal Conservation</i> , 2011, 14, 38-46.	2.9	19
66	Loss of faster-cycling soil carbon pools following grass invasion across multiple forest sites. <i>Soil Biology and Biochemistry</i> , 2011, 43, 452-454.	8.8	24
67	Effects of roads and crabbing pressures on diamondback terrapin populations in coastal Georgia. <i>Journal of Wildlife Management</i> , 2011, 75, 762-770.	1.8	23
68	Transport of Carbon and Nitrogen Between Litter and Soil Organic Matter in a Northern Hardwood Forest. <i>Ecosystems</i> , 2011, 14, 326-340.	3.4	69
69	Invasion by Exotic Earthworms Alters Biodiversity and Communities of Litter- and Soil-dwelling Oribatid Mites. <i>Diversity</i> , 2011, 3, 155-175.	1.7	16
70	Effect of Trapping Method on Leukocyte Profiles of Black-Chested Spiny-Tailed Iguanas (<i>Ctenosaura</i>)	0.5	6
71	Effects of chytridiomycosis on circulating white blood cell distributions of bullfrog larvae (<i>Rana</i>)	0.7	35
72	Native, insect herbivore communities derive a significant proportion of their carbon from a widespread invader of forest understories. <i>Biological Invasions</i> , 2010, 12, 721-724.	2.4	21

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73	Grass invasion of a hardwood forest is associated with declines in belowground carbon pools. <i>Global Change Biology</i> , 2010, 16, 1338-1350.	9.5	81
74	Does detritus quality predict the effect of native and non-native plants on the performance of larval amphibians?. <i>Freshwater Biology</i> , 2010, 55, 1694-1704.	2.4	47
75	Projected Loss of a Salamander Diversity Hotspot as a Consequence of Projected Global Climate Change. <i>PLoS ONE</i> , 2010, 5, e12189.	2.5	135
76	Soft-Tissue Mineralization of Bullfrog Larvae (<i>Rana Catesbeiana</i>) at a Wastewater Treatment Facility. <i>Journal of Veterinary Diagnostic Investigation</i> , 2010, 22, 655-660.	1.1	4
77	An Overlooked Hotspot? Rapid Biodiversity Assessment Reveals a Region of Exceptional Herpetofaunal Richness in the Southeastern United States. <i>Southeastern Naturalist</i> , 2010, 9, 19-34.	0.4	15
78	Effects of Exogenous Corticosterone on Circulating Leukocytes of a Salamander (<i>Ambystoma</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1-8.	0.8	21
79	Patterns of Development and Abnormalities among Tadpoles in a Constructed Wetland Receiving Treated Wastewater. <i>Environmental Science & Technology</i> , 2010, 44, 4862-4868.	10.0	25
80	Effects of Turbidity on the Foraging Success of the Eastern Painted Turtle. <i>Copeia</i> , 2010, 2010, 463-467.	1.3	6
81	Diamondback Terrapin Mortality in Crab Pots in a Georgia Tidal Marsh. <i>Chelonian Conservation and Biology</i> , 2009, 8, 98-100.	0.6	24
82	An investigation of factors influencing erythrocyte morphology of red-backed salamanders (<i>Plethodon cinereus</i>). <i>Animal Biology</i> , 2009, 59, 201-209.	1.0	11
83	Effects of larval density on hematological stress indices in salamanders. <i>Journal of Experimental Zoology</i> , 2009, 311A, 697-704.	1.2	22
84	New Findings from an Old Pathogen: Intraerythrocytic Bacteria (Family Anaplasmatacea) in Red-Backed Salamanders <i>Plethodon cinereus</i> . <i>EcoHealth</i> , 2009, 6, 219-228.	2.0	12
85	Metabolic turnover rates of carbon and nitrogen stable isotopes in captive juvenile snakes. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 319-326.	1.5	34
86	Declines in Woodland Salamander Abundance Associated with Non-native Earthworm and Plant Invasions. <i>Conservation Biology</i> , 2009, 23, 975-981.	4.7	87
87	Earthworm Invasion as the Driving Force Behind Plant Invasion and Community Change in Northeastern North American Forests. <i>Conservation Biology</i> , 2009, 23, 966-974.	4.7	169
88	A new genus and species of lungless salamander (family Plethodontidae) from the Appalachian highlands of the southeastern United States. <i>Journal of Zoology</i> , 2009, 279, 86-94.	1.7	24
89	Estimation of Larval Stream Salamander Densities in Three Proximate Streams in the Georgia Piedmont. <i>Journal of Herpetology</i> , 2009, 43, 503-509.	0.5	24
90	Using occupancy models of forest breeding birds to prioritize conservation planning. <i>Biological Conservation</i> , 2009, 142, 982-991.	4.1	39

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91	Beyond the urban gradient: barriers and opportunities for timely studies of urbanization effects on aquatic ecosystems. <i>Journal of the North American Benthological Society</i> , 2009, 28, 1038-1050.	3.1	14
92	The use of leukocyte profiles to measure stress in vertebrates: a review for ecologists. <i>Functional Ecology</i> , 2008, 22, 760-772.	3.6	1,099
93	Sex-Related Differences in Hematological Stress Indices of Breeding Paedomorphic Mole Salamanders. <i>Journal of Herpetology</i> , 2008, 42, 197-201.	0.5	37
94	Comparison of Hematological Stress Indicators in Recently Captured and Captive Paedomorphic Mole Salamanders, <i>Ambystoma talpoideum</i> . <i>Copeia</i> , 2008, 2008, 613-617.	1.3	48
95	Amphibian use of man-made pools on clear-cuts in the Allegheny Mountains of West Virginia, USA. <i>Applied Herpetology</i> , 2008, 5, 121-128.	0.5	6
96	Spot symmetry predicts body condition in spotted salamanders, <i>Ambystoma maculatum</i> . <i>Applied Herpetology</i> , 2007, 4, 195-205.	0.5	23
97	Discovery of a Novel Alveolate Pathogen Affecting Southern Leopard Frogs in Georgia: Description of the Disease and Host Effects. <i>EcoHealth</i> , 2007, 4, 310-317.	2.0	48
98	CLINICAL CHALLENGE. <i>Journal of Zoo and Wildlife Medicine</i> , 2006, 37, 571-573.	0.6	9
99	Invasive Plant and Experimental Venue Affect Tadpole Performance. <i>Biological Invasions</i> , 2006, 8, 327-338.	2.4	72
100	The influence of invasive earthworms on indigenous fauna in ecosystems previously uninhabited by earthworms. <i>Biological Invasions</i> , 2006, 8, 1275-1285.	2.4	94
101	The influence of invasive earthworms on indigenous fauna in ecosystems previously uninhabited by earthworms. , 2006, , 75-85.		0
102	Nocturnal shift in the antipredator response to predator-diet cues in laboratory and field trials. , 2005, , 349-356.		6
103	Introduced invertebrates are important prey for a generalist predator. <i>Diversity and Distributions</i> , 2005, 11, 83-90.	4.1	72
104	Can secondary compounds of an invasive plant affect larval amphibians?. <i>Functional Ecology</i> , 2005, 19, 970-975.	3.6	96
105	Green Frogs Show Reduced Foraging Success in Habitats Invaded by Japanese knotweed. <i>Biodiversity and Conservation</i> , 2005, 14, 2901-2911.	2.6	92
106	Decline in avoidance of predator chemical cues: Habituation or biorhythm shift?. , 2005, , 365-372.		3
107	An alternative hypothesis for the primary function of a proposed mate assessment behaviour in red-backed salamanders. <i>Animal Behaviour</i> , 2004, 68, 489-494.	1.9	16
108	Premigratory Autumn Foraging Forays in the Green Frog, <i>Rana clamitans</i> . <i>Journal of Herpetology</i> , 2002, 36, 245-254.	0.5	28

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109	Anti-predator response of red-backed salamanders (<i>Plethodon cinereus</i>) to chemical cues from garter snakes (<i>Thamnophis sirtalis</i>): laboratory and field experiments. <i>Behavioral Ecology and Sociobiology</i> , 2002, 51, 227-233.	1.4	45
110	A complex, cross-taxon, chemical releaser of antipredator behavior in amphibians. <i>Journal of Chemical Ecology</i> , 2002, 28, 2271-2282.	1.8	26
111	Effects of predator chemical cues and behavioral biorhythms on foraging activity of terrestrial salamanders. <i>Journal of Chemical Ecology</i> , 2001, 27, 1333-1344.	1.8	61
112	Environmental Variation and Territorial Behavior in a Terrestrial Salamander. , 2000, , 395-406.		20
113	Optimization of Predator Avoidance by Salamanders Using Chemical Cues: Diet and Diel Effects. <i>Ethology</i> , 1999, 105, 1073-1086.	1.1	52