RÃ¼diger Riesch

List of Publications by Year
in descending order

92 papers	2,718 citations	159585 30 h-index	233421 45 g-index
94 all docs	94 docs citations	94 times ranked	2298 citing authors

#	Article	IF	Citations
1	Invasive fish retain plasticity of naturally selected, but diverge in sexually selected traits. Science of the Total Environment, 2022, 811, 152386.	8.0	2
2	Resource competition explains rare cannibalism in the wild in livebearing fishes. Ecology and Evolution, 2022, 12, .	1.9	3
3	Aspects of the life history of the TamesÃ-molly, Poecilia latipunctata, from two populations in the RÃo TamesÃ-drainage in northeastern Mexico. Revista Mexicana De Biodiversidad, 2021, 92, 923107.	0.4	0
4	Comparative gut content analysis of invasive mosquitofish from Italy and Spain. Ecology and Evolution, 2021, 11, 4379-4398.	1.9	9
5	Consuming Costly Prey: Optimal Foraging and the Role of Compensatory Growth. Frontiers in Ecology and Evolution, 2021, 8, .	2.2	6
6	Phenotypic responses to oil pollution in a poeciliid fish. Environmental Pollution, 2021, 290, 118023.	7.5	5
7	Off to new shores: Climate niche expansion in invasive mosquitofish (Gambusia spp.). Ecology and Evolution, 2021, 11, 18369-18400.	1.9	20
8	Phenotypic differentiation in a heterogeneous environment: morphological and lifeâ€history responses to ecological gradients in a livebearing fish. Journal of Zoology, 2020, 310, 10-23.	1.7	12
9	Multiple traits and multifarious environments: integrated divergence of morphology and life history. Oikos, 2020, 129, 480-492.	2.7	11
10	Tidying up the cluttered understorey: Foraging strategy mediates bat activity responses to invasive rhododendron. Forest Ecology and Management, 2020, 475, 118392.	3.2	1
11	Sulphide-toxic habitats are not refuges from parasite infections in an extremophile fish. Acta Oecologica, 2020, 106, 103602.	1.1	0
12	Water pollution affects fish community structure and alters evolutionary trajectories of invasive guppies (Poecilia reticulata). Science of the Total Environment, 2020, 730, 138912.	8.0	21
13	Temporal Pass Plots: An intuitive method for visualising activity patterns of bats and other vocalising animals. Ecological Indicators, 2020, 113, 106202.	6.3	4
14	A century later: Adaptive plasticity and rapid evolution contribute to geographic variation in invasive mosquitofish. Science of the Total Environment, 2020, 726, 137908.	8.0	26
15	Geographical and temporal variation of multiple paternity in invasive mosquitofish (Gambusia) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.9	14
16	AURITA: an affordable, autonomous recording device for acoustic monitoring of audible and ultrasonic frequencies. Bioacoustics, 2019, 28, 381-396.	1.7	26
17	Life histories of guppies (Poecilia reticulata Peters, 1869; Poeciliidae) from the Pitch Lake in Trinidad. Caribbean Journal of Science, 2019, 49, 255.	0.3	2
18	Extreme environments and the origins of biodiversity: Adaptation and speciation in sulphide spring fishes. Molecular Ecology, 2018, 27, 843-859.	3.9	56

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19	Female Choice Undermines the Emergence of Strong Sexual Isolation between Locally Adapted Populations of Atlantic Mollies (Poecilia mexicana). Genes, 2018, 9, 232.	2.4	1
20	Natural and sexual selection drive multivariate phenotypic divergence along climatic gradients in an invasive fish. Scientific Reports, 2018, 8, 11164.	3.3	17
21	Thermal regime drives a latitudinal gradient in morphology and life history in a livebearing fish. Biological Journal of the Linnean Society, 2018, 125, 126-141.	1.6	21
22	Evolution in caves: selection from darkness causes spinal deformities in teleost fishes. Biology Letters, 2018, 14, 20180197.	2.3	11
23	Ecology and evolution along environmental gradients. Environmental Epigenetics, 2018, 64, 193-196.	1.8	21
24	Transitions between phases of genomic differentiation during stick-insect speciation. Nature Ecology and Evolution, 2017, 1, 82.	7.8	144
25	Evolution at the Limits. Scientific American, 2017, 316, 54-59.	1.0	10
26	Predation risk and abiotic habitat parameters affect personality traits in extremophile populations of a neotropical fish (Poecilia vivipara). Ecology and Evolution, 2017, 7, 6570-6581.	1.9	19
27	Longâ€term balancing selection on chromosomal variants associated with crypsis in a stick insect. Molecular Ecology, 2017, 26, 6189-6205.	3.9	77
28	Does personality affect premating isolation between locally-adapted populations?. BMC Evolutionary Biology, 2016, 16, 138.	3.2	22
29	Toxic hydrogen sulphide shapes brain anatomy: a comparative study of sulphideâ€adapted ecotypes in the Poecilia mexicana complex. Journal of Zoology, 2016, 300, 163-176.	1.7	13
30	The predictability and magnitude of lifeâ€history divergence to ecological agents of selection: a metaâ€analysis in livebearing fishes. Ecology Letters, 2016, 19, 435-442.	6.4	28
31	Extremophile Poeciliidae: multivariate insights into the complexity of speciation along replicated ecological gradients. BMC Evolutionary Biology, 2016, 16, 136.	3.2	33
32	Shared and unique patterns of phenotypic diversification along a stream gradient in two congeneric species. Scientific Reports, 2016, 6, 38971.	3.3	23
33	Species in the Making. Scientific American, 2016, 315, 54-61.	1.0	2
34	Sex-specific local life-history adaptation in surface- and cave-dwelling Atlantic mollies (Poecilia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	3.3	22
35	Adaptive growth reduction in response to fish kairomones allows mosquito larvae (Culex pipiens) to reduce predation risk. Aquatic Sciences, 2016, 78, 303-314.	1.5	14
36	Unique evolutionary trajectories in repeated adaptation to hydrogen sulphideâ€toxic habitats of a neotropical fish (Poecilia mexicana). Molecular Ecology, 2015, 24, 5446-5459.	3.9	49

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37	Rapid humanâ€induced divergence of lifeâ€history strategies in <scp>B</scp>ahamian livebearing fishes (family <scp>P</scp>oeciliidae). Journal of Animal Ecology, 2015, 84, 1732-1743.	2.8	18
38	Extremophile Fishes: An Introduction. , 2015, , 1-7.		5
39	Brain size variation in extremophile fish: local adaptation versus phenotypic plasticity. Journal of Zoology, 2015, 295, 143-153.	1.7	55
40	Selection on a Genetic Polymorphism Counteracts Ecological Speciation in a Stick Insect. Current Biology, 2015, 25, 1975-1981.	3.9	67
41	Extremophile Fishes: An Integrative Synthesis. , 2015, , 279-296.		6
42	Hydrogen Sulfide-Toxic Habitats. , 2015, , 137-159.		23
43	Colonisation of toxic environments drives predictable lifeâ€history evolution in livebearing fishes (Poeciliidae). Ecology Letters, 2014, 17, 65-71.	6.4	61
44	Selection from parasites favours immunogenetic diversity but not divergence among locally adapted host populations. Journal of Evolutionary Biology, 2014, 27, 960-974.	1.7	32
45	EVOLUTION OF MALE COLORATION DURING A POST-PLEISTOCENE RADIATION OF BAHAMAS MOSQUITOFISH (GAMBUSIA HUBBSI). Evolution; International Journal of Organic Evolution, 2014, 68, 397-411.	2.3	39
46	Microhabitat use, population densities, and size distributions of sulfur cave-dwellingPoecilia mexicana. PeerJ, 2014, 2, e490.	2.0	12
47	GENETIC DIFFERENTIATION AND SELECTION AGAINST MIGRANTS IN EVOLUTIONARILY REPLICATED EXTREME ENVIRONMENTS. Evolution; International Journal of Organic Evolution, 2013, 67, 2647-2661.	2.3	58
48	Size and sex matter: reproductive biology and determinants of offspring survival inGazella marica. Biological Journal of the Linnean Society, 2013, 110, 116-127.	1.6	6
49	Speciation by selection: A framework for understanding ecologyâ€™s role in speciation. Environmental Epigenetics, 2013, 59, 31-52.	1.8	66
50	Predationâ€™s Role in Life-History Evolution of a Livebearing Fish and a Test of the Trexler-DeAngelis Model of Maternal Provisioning. American Naturalist, 2013, 181, 78-93.	2.1	71
51	Predator Avoidance in Extremophile Fish. Life, 2013, 3, 161-180.	2.4	11
52	Gradient Evolution of Body Colouration in Surface- and Cave-DwellingPoecilia mexicanaand the Role of Phenotype-Assortative Female Mate Choice. BioMed Research International, 2013, 2013, 1-15.	1.9	16
53	Translocation of cave fish (Poecilia mexicana) within and between natural habitats along a toxicity gradient. Ecology of Freshwater Fish, 2013, 22, 228-233.	1.4	2
54	Multiple paternity in different populations of the sailfin molly, Poecilia latipinna. Animal Biology, 2012, 62, 245-262.	1.0	10

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55	The Delayed Impact of Parental Age on Offspring Mortality in Mice. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2012, 67A, 351-357.	3.6	23
56	Divergent Evolution of Male Aggressive Behaviour: Another Reproductive Isolation Barrier in Extremophile Poeciliid Fishes?. International Journal of Evolutionary Biology, 2012, 2012, 1-14.	1.0	28
57	Twelve new microsatellite loci for the sulphur molly (Poecilia sulphuraria) and the related Atlantic molly (P. mexicana). Conservation Genetics Resources, 2012, 4, 935-937.	0.8	6
58	The offspring size/fecundity trade-off and female fitness in the Atlantic molly (Poecilia mexicana,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.0	16
59	Cultural traditions and the evolution of reproductive isolation: ecological speciation in killer whales?. Biological Journal of the Linnean Society, 2012, 106, 1-17.	1.6	114
60	Behavioural and life-history regulation in a unisexual/bisexual mating system: does male mate choice affect female reproductive life histories?. Biological Journal of the Linnean Society, 2012, 106, 598-606.	1.6	11
61	Shared and Unique Patterns of Embryo Development in Extremophile Poeciliids. PLoS ONE, 2011, 6, e27377.	2.5	42
62	Toxic hydrogen sulphide and dark caves: pronounced male life-history divergence among locally adapted Poecilia mexicana (Poeciliidae). Journal of Evolutionary Biology, 2011, 24, 596-606.	1.7	36
63	Effects of extreme habitat conditions on otolith morphology â€“ a case study on extremophile livebearing fishes (Poecilia mexicana, P. sulphuraria). Zoology, 2011, 114, 321-334.	1.2	15
64	Whistle communication in mammal-eating killer whales (Orcinus orca): further evidence for acoustic divergence between ecotypes. Behavioral Ecology and Sociobiology, 2011, 65, 1377-1387.	1.4	35
65	Mustached males in a tropical poeciliid fish: emerging female preference selects for a novel male trait. Behavioral Ecology and Sociobiology, 2011, 65, 1437-1445.	1.4	18
66	Effects of male sexual harassment on female time budgets, feeding behavior, and metabolic rates in a tropical livebearing fish (Poecilia mexicana). Behavioral Ecology and Sociobiology, 2011, 65, 1513-1523.	1.4	29
67	Predator-induced changes of female mating preferences: innate and experiential effects. BMC Evolutionary Biology, 2011, 11, 190.	3.2	39
68	Speciation in caves: experimental evidence that permanent darkness promotes reproductive isolation. Biology Letters, 2011, 7, 909-912.	2.3	29
69	A novel, sexually selected trait in poeciliid fishes: female preference for mustache-like, rostral filaments in male Poecilia sphenops. Behavioral Ecology and Sociobiology, 2010, 64, 1849-1855.	1.4	23
70	Convergent life-history shifts: toxic environments result in big babies in two clades of poeciliids. Die Naturwissenschaften, 2010, 97, 133-141.	1.6	48
71	Complementary effect of natural and sexual selection against immigrants maintains differentiation between locally adapted fish. Die Naturwissenschaften, 2010, 97, 769-774.	1.6	39
72	Matrotrophy in the cave molly: an unexpected provisioning strategy in an extreme environment. Evolutionary Ecology, 2010, 24, 789-801.	1.2	30

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73	Locally adapted fish populations maintain small-scale genetic differentiation despite perturbation by a catastrophic flood event. BMC Evolutionary Biology, 2010, 10, 256.	3.2	48
74	Toxic hydrogen sulfide and dark caves: lifeâ€history adaptations in a livebearing fish (Poecilia mexicana,) Tj ETQq0 0 0 rgBT /Overlock 10	3.2	76
75	Otolith morphology and hearing abilities in cave- and surface-dwelling ecotypes of the Atlantic molly, Poecilia mexicana (Teleostei: Poeciliidae). Hearing Research, 2010, 267, 137-148.	2.0	37
76	Predation by Three Species of Spiders on a cave Fish in a Mexican Sulphur Cave. Arachnology, 2010, 15, 55-58.	0.4	17
77	Offspring number in a livebearing fish (Poecilia mexicana, Poeciliidae): reduced fecundity and reduced plasticity in a population of cave mollies. Environmental Biology of Fishes, 2009, 84, 89-94.	1.0	31
78	Variation along the shyâ€“bold continuum in extremophile fishes (Poecilia mexicana, Poecilia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	1.4	49
79	Natural and sexual selection against immigrants maintains differentiation among microâ€allopatric populations. Journal of Evolutionary Biology, 2009, 22, 2298-2304.	1.7	72
80	A new and morphologically distinct population of cavernicolous Poecilia mexicana (Poeciliidae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	1.0	27
81	Sperm production in an extremophile fish, the cave molly (Poecilia mexicana, Poeciliidae, Teleostei). Aquatic Ecology, 2008, 42, 685-692.	1.5	13
82	Two endemic and endangered fishes, Poecilia sulphuraria (Alvarez, 1948) and Gambusia eurystoma Miller, 1975 (Poeciliidae, Teleostei) as only survivors in a small sulphidic habitat. Journal of Fish Biology, 2008, 72, 523-533.	1.6	38
83	Female sperm limitation in natural populations of a sexual/asexual mating complex (Poecilia) Tj ETQq1 1 0.784314 rgBT /Overlock	2.3	35
84	Whistle sequences in wild killer whales (Orcinus orca). Journal of the Acoustical Society of America, 2008, 124, 1822-1829.	1.1	28
85	Female choice for large body size in the cave molly, Poecilia mexicana (Poeciliidae, Teleostei): influence of species- and sex-specific cues. Behaviour, 2007, 144, 1147-1160.	0.8	10
86	Survival in an extreme habitat: the roles of behaviour and energy limitation. Die Naturwissenschaften, 2007, 94, 991-996.	1.6	77
87	Life on the edge: hydrogen sulfide and the fish communities of a Mexican cave and surrounding waters. Extremophiles, 2006, 10, 577-585.	2.3	116
88	Influence of male competition on male mating behaviour in the cave molly, Poecilia mexicana. Journal of Ethology, 2006, 24, 27-31.	0.8	10
89	Reduction of the association preference for conspecifics in cave-dwelling Atlantic mollies, Poecilia mexicana. Behavioral Ecology and Sociobiology, 2006, 60, 794-802.	1.4	23
90	Stability and group specificity of stereotyped whistles in resident killer whales, Orcinus orca, off British Columbia. Animal Behaviour, 2006, 71, 79-91.	1.9	85

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91	Extreme habitats are not refuges: poeciliids suffer from increased aerial predation risk in sulphidic southern Mexican habitats. Biological Journal of the Linnean Society, 0, 101, 417-426.	1.6	37
92	Natural history and trophic ecology of three populations of the Mexican cavefish, Astyanax mexicanus. Environmental Biology of Fishes, 0, , 1.	1.0	4