Carol Eunmi Lee

List of Publications by Year
in descending order

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42 papers	4,775 citations	201674 27 h-index	276875 41 g-index
45 all docs	45 docs citations	45 times ranked	5239 citing authors

#	Article	IF	Citations
1	Evolutionary genetics of invasive species. Trends in Ecology and Evolution, 2002, 17, 386-391.	8.7	1,462
2	Causes and consequences of recent freshwater invasions by saltwater animals. Trends in Ecology and Evolution, 1999, 14, 284-288.	8.7	286
3	Do Reservoirs Facilitate Invasions into Landscapes?. BioScience, 2005, 55, 518.	4.9	281
4	GLOBAL PHYLOGEOGRAPHY OF A CRYPTIC COPEPOD SPECIES COMPLEX AND REPRODUCTIVE ISOLATION BETWEEN GENETICALLY PROXIMATE "POPULATIONS". Evolution; International Journal of Organic Evolution, 2000, 54, 2014-2027.	2.3	269
5	Evolutionary origins of invasive populations. Evolutionary Applications, 2008, 1, 427-448.	3.1	198
6	Morphological stasis in the Eurytemora affinis species complex (Copepoda: Temoridae). Hydrobiologia, 2002, 480, 111-128.	2.0	161
7	Evolution of Physiological Tolerance and Performance During Freshwater Invasions. Integrative and Comparative Biology, 2003, 43, 439-449.	2.0	159
8	Evolutionary History of Chemosensory-Related Gene Families across the Arthropoda. Molecular Biology and Evolution, 2017, 34, 1838-1862.	8.9	157
9	RAPID AND REPEATED INVASIONS OF FRESH WATER BY THE COPEPOD EURYTEMORA AFFINIS. Evolution; International Journal of Organic Evolution, 1999, 53, 1423-1434.	2.3	155
10	Gene content evolution in the arthropods. Genome Biology, 2020, 21, 15.	8.8	150
11	PUMPING IONS: RAPID PARALLEL EVOLUTION OF IONIC REGULATION FOLLOWING HABITAT INVASIONS. Evolution; International Journal of Organic Evolution, 2011, 65, 2229-2244.	2.3	123
12	Response to selection and evolvability of invasive populations. Genetica, 2007, 129, 179-192.	1.1	121
13	Rapid and Repeated Invasions of Fresh Water by the Copepod Eurytemora affinis. Evolution; International Journal of Organic Evolution, 1999, 53, 1423.	2.3	94
14	Heterogeneity within the native range: population genetic analyses of sympatric invasive and noninvasive clades of the freshwater invading copepodEurytemora affinis. Molecular Ecology, 2008, 17, 415-430.	3.9	88
15	Effects of Developmental Acclimation on Adult Salinity Tolerance in the Freshwaterâ€Invading Copepod Eurytemora affinis. Physiological and Biochemical Zoology, 2003, 76, 296-301.	1.5	82
16	The Toxicogenome of Hyalella azteca: A Model for Sediment Ecotoxicology and Evolutionary Toxicology. Environmental Science & Technology, 2018, 52, 6009-6022.	10.0	79
17	Zebra mussels anchor byssal threads faster and tighter than quagga mussels in flow. Journal of Experimental Biology, 2009, 212, 2027-2036.	1.7	74
18	Molecular ecology of zebra mussel invasions. Molecular Ecology, 2006, 15, 1021-1031.	3.9	72

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19	Genotypeâ€byâ€Environment Interaction for Salinity Tolerance in the Freshwaterâ€invading Copepod Eurytemora affinis. Physiological and Biochemical Zoology, 2002, 75, 335-344.	1.5	66
20	Phylogeography and systematics of zebra mussels and related species. Molecular Ecology, 2006, 15, 1033-1050.	3.9	63
21	Observing copepods through a genomic lens. Frontiers in Zoology, 2011, 8, 22.	2.0	63
22	Evolutionary origins of genomic adaptations in an invasive copepod. Nature Ecology and Evolution, 2020, 4, 1084-1094.	7.8	59
23	Evolutionary mechanisms of habitat invasions, using the copepod Eurytemora affinis as a model system. Evolutionary Applications, 2016, 9, 248-270.	3.1	58
24	Rapid evolution of body fluid regulation following independent invasions into freshwater habitats. Journal of Evolutionary Biology, 2012, 25, 625-633.	1.7	51
25	Developmental plasticity of shell morphology of quagga mussels from shallow and deep-water habitats of the Great Lakes. Journal of Experimental Biology, 2010, 213, 2602-2609.	1.7	50
26	Feasting in fresh water: impacts of food concentration on freshwater tolerance and the evolution of foodÂÃ—Âsalinity response during the expansion from saline into fresh water habitats. Evolutionary Applications, 2013, 6, 673-689.	3.1	37
27	Testing for beneficial reversal of dominance during salinity shifts in the invasive copepod Eurytemora affinis , and implications for the maintenance of genetic variation. Evolution; International Journal of Organic Evolution, 2014, 68, 3166-3183.	2.3	30
28	Out of Alaska: morphological diversity within the genus Eurytemora from its ancestral Alaskan range (Crustacea, Copepoda). Hydrobiologia, 2010, 653, 131-148.	2.0	25
29	Without Gills: Localization of Osmoregulatory Function in the CopepodEurytemora affinis. Physiological and Biochemical Zoology, 2014, 87, 310-324.	1.5	25
30	DNAâ€“Feulgen cytophotometric determination of genome size for the freshwater-invading copepod Eurytemora affinis. Genome, 2004, 47, 559-564.	2.0	24
31	Conservation Genetics of Inland Lake Trout in the Upper Mississippi River Basin: Stocked or Native Ancestry?. Transactions of the American Fisheries Society, 2005, 134, 789-802.	1.4	24
32	Preface to the special issue: ecological and evolutionary genomics of populations in nature. Molecular Ecology, 2006, 15, 1193-1196.	3.9	23
33	Rapid evolution of genomeâ€wide gene expression and plasticity during saline to freshwater invasions by the copepod Eurytemora affinis species complex. Molecular Ecology, 2020, 29, 4835-4856.	3.9	19
34	Evolutionary responses to crude oil from the Deepwater Horizon oil spill by the copepod Eurytemora affinis. Evolutionary Applications, 2017, 10, 813-828.	3.1	16
35	Recognizing Salinity Threats in the Climate Crisis. Integrative and Comparative Biology, 2022, 62, 441-460.	2.0	16
36	The Legs Have It: In Situ Expression of Ion Transporters V-Type H⁺-ATPase and Na⁺/K⁺-ATPase in the Osmoregulatory Leg Organs of the Invading CopepodEurytemora affinis. Physiological and Biochemical Zoology, 2016, 89, 233-250.	1.5	13

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37	Ion Transporter Gene Families as Physiological Targets of Natural Selection During Salinity Transitions in a Copepod. Physiology, 2021, 36, 335-349.	3.1	10
38	Genome-wide signatures of synergistic epistasis during parallel adaptation in a Baltic Sea copepod. Nature Communications, 2022, 13, .	12.8	10
39	Recommendations for Taxonomic Submissions to Hydrobiologia. Hydrobiologia, 2006, 556, 1-5.	2.0	9
40	Effects of shell morphology on mechanics of zebra and quagga mussel locomotion. Journal of Experimental Biology, 2011, 214, 2226-2236.	1.7	9
41	Direct sequencing of haplotypes from diploid individuals through a modified emulsion PCR â€based singleâ€molecule sequencing approach. Molecular Ecology Resources, 2013, 13, 135-143.	4.8	0
42	Out of Alaska: morphological diversity within the genus Eurytemora from its ancestral Alaskan range (Crustacea, Copepoda). , 2010, , 131-148.		0