

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	Recognizing Salinity Threats in the Climate Crisis. <i>Integrative and Comparative Biology</i> , 2022, 62, 441-460.	2.0	16
2	Genome-wide signatures of synergistic epistasis during parallel adaptation in a Baltic Sea copepod. <i>Nature Communications</i> , 2022, 13, .	12.8	10
3	Ion Transporter Gene Families as Physiological Targets of Natural Selection During Salinity Transitions in a Copepod. <i>Physiology</i> , 2021, 36, 335-349.	3.1	10
4	Rapid evolution of genome-wide gene expression and plasticity during saline to freshwater invasions by the copepod <i>Eurytemora affinis</i> species complex. <i>Molecular Ecology</i> , 2020, 29, 4835-4856.	3.9	19
5	Evolutionary origins of genomic adaptations in an invasive copepod. <i>Nature Ecology and Evolution</i> , 2020, 4, 1084-1094.	7.8	59
6	Gene content evolution in the arthropods. <i>Genome Biology</i> , 2020, 21, 15.	8.8	150
7	The Toxicogenome of <i>Hyalella azteca</i> : A Model for Sediment Ecotoxicology and Evolutionary Toxicology. <i>Environmental Science & Technology</i> , 2018, 52, 6009-6022.	10.0	79
8	Evolutionary History of Chemosensory-Related Gene Families across the Arthropoda. <i>Molecular Biology and Evolution</i> , 2017, 34, 1838-1862.	8.9	157
9	Evolutionary responses to crude oil from the Deepwater Horizon oil spill by the copepod <i>Eurytemora affinis</i> . <i>Evolutionary Applications</i> , 2017, 10, 813-828.	3.1	16
10	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 Copepod <i>Eurytemora affinis</i> . <i>Physiological and Biochemical Zoology</i> , 2016, 89, 233-250.	1.5	13
11	Evolutionary mechanisms of habitat invasions, using the copepod <i>Eurytemora affinis</i> as a model system. <i>Evolutionary Applications</i> , 2016, 9, 248-270.	3.1	58
12	Testing for beneficial reversal of dominance during salinity shifts in the invasive copepod <i>Eurytemora affinis</i> , and implications for the maintenance of genetic variation. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 3166-3183.	2.3	30
13	Without Gills: Localization of Osmoregulatory Function in the Copepod <i>Eurytemora affinis</i> . <i>Physiological and Biochemical Zoology</i> , 2014, 87, 310-324.	1.5	25
14	Direct sequencing of haplotypes from diploid individuals through a modified emulsion PCR-based single-molecule sequencing approach. <i>Molecular Ecology Resources</i> , 2013, 13, 135-143.	4.8	0
15	Feasting in fresh water: impacts of food concentration on freshwater tolerance and the evolution of food-salinity response during the expansion from saline into fresh water habitats. <i>Evolutionary Applications</i> , 2013, 6, 673-689.	3.1	37
16	Rapid evolution of body fluid regulation following independent invasions into freshwater habitats. <i>Journal of Evolutionary Biology</i> , 2012, 25, 625-633.	1.7	51
17	PUMPING IONS: RAPID PARALLEL EVOLUTION OF IONIC REGULATION FOLLOWING HABITAT INVASIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 2229-2244.	2.3	123
18	Observing copepods through a genomic lens. <i>Frontiers in Zoology</i> , 2011, 8, 22.	2.0	63

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19	Effects of shell morphology on mechanics of zebra and quagga mussel locomotion. <i>Journal of Experimental Biology</i> , 2011, 214, 2226-2236.	1.7	9
20	Out of Alaska: morphological diversity within the genus <i>Eurytemora</i> from its ancestral Alaskan range (Crustacea, Copepoda). <i>Hydrobiologia</i> , 2010, 653, 131-148.	2.0	25
21	Developmental plasticity of shell morphology of quagga mussels from shallow and deep-water habitats of the Great Lakes. <i>Journal of Experimental Biology</i> , 2010, 213, 2602-2609.	1.7	50
22	Out of Alaska: morphological diversity within the genus <i>Eurytemora</i> from its ancestral Alaskan range (Crustacea, Copepoda). , 2010, , 131-148.		0
23	Zebra mussels anchor byssal threads faster and tighter than quagga mussels in flow. <i>Journal of Experimental Biology</i> , 2009, 212, 2027-2036.	1.7	74
24	Heterogeneity within the native range: population genetic analyses of sympatric invasive and noninvasive clades of the freshwater invading copepod <i>Eurytemora affinis</i> . <i>Molecular Ecology</i> , 2008, 17, 415-430.	3.9	88
25	Evolutionary origins of invasive populations. <i>Evolutionary Applications</i> , 2008, 1, 427-448.	3.1	198
26	Response to selection and evolvability of invasive populations. <i>Genetica</i> , 2007, 129, 179-192.	1.1	121
27	Molecular ecology of zebra mussel invasions. <i>Molecular Ecology</i> , 2006, 15, 1021-1031.	3.9	72
28	Phylogeography and systematics of zebra mussels and related species. <i>Molecular Ecology</i> , 2006, 15, 1033-1050.	3.9	63
29	Preface to the special issue: ecological and evolutionary genomics of populations in nature. <i>Molecular Ecology</i> , 2006, 15, 1193-1196.	3.9	23
30	Recommendations for Taxonomic Submissions to <i>Hydrobiologia</i> . <i>Hydrobiologia</i> , 2006, 556, 1-5.	2.0	9
31	Conservation Genetics of Inland Lake Trout in the Upper Mississippi River Basin: Stocked or Native Ancestry?. <i>Transactions of the American Fisheries Society</i> , 2005, 134, 789-802.	1.4	24
32	Do Reservoirs Facilitate Invasions into Landscapes?. <i>BioScience</i> , 2005, 55, 518.	4.9	281
33	DNA Feulgen cytophotometric determination of genome size for the freshwater-invading copepod <i>Eurytemora affinis</i> . <i>Genome</i> , 2004, 47, 559-564.	2.0	24
34	Evolution of Physiological Tolerance and Performance During Freshwater Invasions. <i>Integrative and Comparative Biology</i> , 2003, 43, 439-449.	2.0	159
35	Effects of Developmental Acclimation on Adult Salinity Tolerance in the Freshwater-Invasive Copepod <i>Eurytemora affinis</i> . <i>Physiological and Biochemical Zoology</i> , 2003, 76, 296-301.	1.5	82
36	Genotype-Environment Interaction for Salinity Tolerance in the Freshwater-Invasive Copepod <i>Eurytemora affinis</i> . <i>Physiological and Biochemical Zoology</i> , 2002, 75, 335-344.	1.5	66

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37	Evolutionary genetics of invasive species. Trends in Ecology and Evolution, 2002, 17, 386-391.	8.7	1,462
38	Morphological stasis in the Eurytemora affinis species complex (Copepoda: Temoridae). Hydrobiologia, 2002, 480, 111-128.	2.0	161
39	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
40	Rapid and Repeated Invasions of Fresh Water by the Copepod Eurytemora affinis. Evolution; International Journal of Organic Evolution, 1999, 53, 1423.	2.3	94
41	Causes and consequences of recent freshwater invasions by saltwater animals. Trends in Ecology and Evolution, 1999, 14, 284-288.	8.7	286
42	RAPID AND REPEATED INVASIONS OF FRESH WATER BY THE COPEPOD <i>EURYTEMORA AFFINIS</i> . Evolution; International Journal of Organic Evolution, 1999, 53, 1423-1434.	2.3	155