

Ronald Burton

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134
papers

5,907
citations

45
h-index

73
g-index

141
ext. papers

6,685
ext. citations

4.2
avg, IF

6.26
L-index

#	Paper	IF	Citations
134	Natural selection and the evolution of mtDNA-encoded peptides: evidence for intergenomic co-adaptation. <i>Trends in Genetics</i> , 2001 , 17, 400-6	8.5	194
133	A disproportionate role for mtDNA in Dobzhansky-Muller incompatibilities?. <i>Molecular Ecology</i> , 2012 , 21, 4942-57	5.7	193
132	Nuclear and mitochondrial gene genealogies and allozyme polymorphism across a major phylogeographic break in the copepod <i>Tigriopus californicus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 5197-201	11.5	190
131	Cytonuclear Genomic Interactions and Hybrid Breakdown. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013 , 44, 281-302	13.5	183
130	Interpopulation hybrid breakdown maps to the mitochondrial genome. <i>Evolution; International Journal of Organic Evolution</i> , 2008 , 62, 631-8	3.8	180
129	Functional coadaptation between cytochrome c and cytochrome c oxidase within allopatric populations of a marine copepod. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 12955-8	11.5	166
128	INTRASPECIFIC PHYLOGEOGRAPHY ACROSS THE POINT CONCEPTION BIOGEOGRAPHIC BOUNDARY. <i>Evolution; International Journal of Organic Evolution</i> , 1998 , 52, 734-745	3.8	154
127	The sorry state of F2 hybrids: consequences of rapid mitochondrial DNA evolution in allopatric populations. <i>American Naturalist</i> , 2006 , 168 Suppl 6, S14-24	3.7	148
126	DISRUPTION OF MITOCHONDRIAL FUNCTION IN INTERPOPULATION HYBRIDS OF TIGRIOPUS CALIFORNICUS. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 1382-1391	3.8	147
125	Investigating the molecular basis of local adaptation to thermal stress: population differences in gene expression across the transcriptome of the copepod <i>Tigriopus californicus</i> . <i>BMC Evolutionary Biology</i> , 2012 , 12, 170	3	129
124	The recruitment sweepstakes has many winners: genetic evidence from the sea urchin <i>Strongylocentrotus purpuratus</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2002 , 56, 1445-53	3.8	122
123	HYBRID BREAKDOWN IN DEVELOPMENTAL TIME IN THE COPEPOD TIGRIOPUS CALIFORNICUS. <i>Evolution; International Journal of Organic Evolution</i> , 1990 , 44, 1814-1822	3.8	121
122	RNA-seq reveals regional differences in transcriptome response to heat stress in the marine snail <i>Chlorostoma funebris</i> . <i>Molecular Ecology</i> , 2015 , 24, 610-27	5.7	109
121	Physiological effects of an allozyme polymorphism: glutamate-pyruvate transaminase and response to hyperosmotic stress in the copepod <i>Tigriopus californicus</i> . <i>Biochemical Genetics</i> , 1983 , 21, 239-51	2.4	108
120	Intraspecific Phylogeography Across the Point Conception Biogeographic Boundary. <i>Evolution; International Journal of Organic Evolution</i> , 1998 , 52, 734	3.8	102
119	CYTOCHROME C OXIDASE ACTIVITY IN INTERPOPULATION HYBRIDS OF A MARINE COPEPOD: A TEST FOR NUCLEAR-NUCLEAR OR NUCLEAR-CYTOPLASMIC COADAPTATION. <i>Evolution; International Journal of Organic Evolution</i> , 1999 , 53, 1972-1978	3.8	102
118	Mating system of the intertidal copepod <i>Tigriopus californicus</i> . <i>Marine Biology</i> , 1985 , 86, 247-252	2.5	100

117	Genetic heterogeneity among adult and recruit red sea urchins, <i>Strongylocentrotus franciscanus</i> . <i>Marine Biology</i> , 2000 , 136, 773-784	2.5	99
116	Evolution of interacting proteins in the mitochondrial electron transport system in a marine copepod. <i>Molecular Biology and Evolution</i> , 2004 , 21, 443-53	8.3	97
115	Evidence for compensatory evolution of ribosomal proteins in response to rapid divergence of mitochondrial rRNA. <i>Molecular Biology and Evolution</i> , 2013 , 30, 310-4	8.3	92
114	Genomic signatures of mitonuclear coevolution across populations of <i>Tigriopus californicus</i> . <i>Nature Ecology and Evolution</i> , 2018 , 2, 1250-1257	12.3	87
113	Genetic Architecture of Physiological Phenotypes: Empirical Evidence for Coadapted Gene Complexes. <i>American Zoologist</i> , 1999 , 39, 451-462		84
112	Tracing hybrid incompatibilities to single amino acid substitutions. <i>Molecular Biology and Evolution</i> , 2006 , 23, 559-64	8.3	82
111	Viability of cytochrome c genotypes depends on cytoplasmic backgrounds in <i>Tigriopus californicus</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2001 , 55, 1592-9	3.8	82
110	GENETIC EVIDENCE FOR LONG TERM PERSISTENCE OF MARINE INVERTEBRATE POPULATIONS IN AN EPHEMERAL ENVIRONMENT. <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 993-998 ^{3.8}		75
109	Disruption of mitochondrial function in interpopulation hybrids of <i>Tigriopus californicus</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 1382-91	3.8	74
108	Environmental influences on epistatic interactions: viabilities of cytochrome c genotypes in interpopulation crosses. <i>Evolution; International Journal of Organic Evolution</i> , 2003 , 57, 2286-92	3.8	71
107	DIFFERENTIATION AND INTEGRATION OF THE GENOME IN POPULATIONS OF THE MARINE COPEPOD TIGRIOPUS CALIFORNICUS. <i>Evolution; International Journal of Organic Evolution</i> , 1987 , 41, 504-513	3.8	71
106	Genotype-dependent variation of mitochondrial transcriptional profiles in interpopulation hybrids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 15831-6	11.5	68
105	Hybrid Breakdown in Developmental Time in the Copepod <i>Tigriopus californicus</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1990 , 44, 1814	3.8	63
104	Population Genetics of <i>Tigriopus californicus</i> (Copepoda: Harpacticoida): I. Population Structure Along the Central California Coast. <i>Marine Ecology - Progress Series</i> , 1979 , 1, 29-39	2.6	63
103	Population genetics of black abalone, <i>Haliotis cracherodii</i> , along the central California coast. <i>Journal of Experimental Marine Biology and Ecology</i> , 2000 , 254, 235-247	2.1	60
102	Elevated oxidative damage is correlated with reduced fitness in interpopulation hybrids of a marine copepod. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20131521	4.4	59
101	Interpopulation patterns of divergence and selection across the transcriptome of the copepod <i>Tigriopus californicus</i> . <i>Molecular Ecology</i> , 2011 , 20, 560-72	5.7	57
100	POPULATION GENETICS OF TIGRIOPUS CALIFORNICUS. II. DIFFERENTIATION AMONG NEIGHBORING POPULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 1981 , 35, 1192-1205 ^{3.8}		56

99	Ecological novelty by hybridization: experimental evidence for increased thermal tolerance by transgressive segregation in <i>Tigriopus californicus</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2014 , 68, 204-15	3.8	55
98	Assessing the fitness consequences of mitonuclear interactions in natural populations. <i>Biological Reviews</i> , 2019 , 94, 1089-1104	13.5	55
97	POPULATION GENETICS OF COASTAL AND ESTUARINE INVERTEBRATES: DOES LARVAL BEHAVIOR INFLUENCE POPULATION STRUCTURE? 1982 , 537-551		54
96	Three divergent mitochondrial genomes from California populations of the copepod <i>Tigriopus californicus</i> . <i>Gene</i> , 2007 , 403, 53-9	3.8	53
95	Cytonuclear conflict in interpopulation hybrids: the role of RNA polymerase in mtDNA transcription and replication. <i>Journal of Evolutionary Biology</i> , 2010 , 23, 528-38	2.3	52
94	Energetics of Osmoregulation in an Intertidal Copepod: Effects of Anoxia and lipid Reserves on the Pattern of Free Amino Accumulation. <i>Functional Ecology</i> , 1989 , 3, 81	5.6	52
93	Adaptation to a latitudinal thermal gradient within a widespread copepod species: the contributions of genetic divergence and phenotypic plasticity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	50
92	HYBRID BREAKDOWN IN PHYSIOLOGICAL RESPONSE: A MECHANISTIC APPROACH. <i>Evolution; International Journal of Organic Evolution</i> , 1990 , 44, 1806-1813	3.8	48
91	Proline biosynthesis genes and their regulation under salinity stress in the euryhaline copepod <i>Tigriopus californicus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2002 , 132, 739-50	2.3	46
90	Genetic structure of natural populations of the California black abalone (<i>Haliotis cracherodii</i> Leach, 1814), a candidate for endangered species status. <i>Journal of Experimental Marine Biology and Ecology</i> , 2008 , 355, 47-58	2.1	45
89	Cytochrome C Oxidase Activity in Interpopulation Hybrids of a Marine Copepod: A Test for Nuclear-Nuclear or Nuclear-Cytoplasmic Coadaptation. <i>Evolution; International Journal of Organic Evolution</i> , 1999 , 53, 1972	3.8	45
88	Spatial ecology and conservation of <i>Manta birostris</i> in the Indo-Pacific. <i>Biological Conservation</i> , 2016 , 200, 178-183	6.2	44
87	Changes in free amino acid concentrations during osmotic response in the intertidal copepod <i>Tigriopus californicus</i> . <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1982 , 73, 441-445		44
86	Genetic Evidence for Long Term Persistence of Marine Invertebrate Populations in an Ephemeral Environment. <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 993	3.8	43
85	Hybrid dysfunction and physiological compensation in gene expression. <i>Molecular Biology and Evolution</i> , 2015 , 32, 613-22	8.3	41
84	A new poecilogonous species of sea slug (Opisthobranchia: Sacoglossa) from California: comparison with the planktotrophic congener <i>Alderia modesta</i> (Lovén, 1844). <i>Journal of Molluscan Studies</i> , 2007 , 73, 29-38	1.1	41
83	Multiple mating, paternity, and body size in a simultaneous hermaphrodite, <i>Aplysia californica</i> . <i>Behavioral Ecology</i> , 2003 , 14, 554-560	2.3	40
82	Population Genetics of <i>Tigriopus Californicus</i> . II. Differentiation Among Neighboring Populations. <i>Evolution; International Journal of Organic Evolution</i> , 1981 , 35, 1192	3.8	40

81	Molecular tools in marine ecology. <i>Journal of Experimental Marine Biology and Ecology</i> , 1996 , 200, 85-101.	2.1	38
80	Linkage relationships among five enzyme-coding gene loci in the copepod <i>Tigriopus californicus</i> : a genetic confirmation of achiasmatic meiosis. <i>Biochemical Genetics</i> , 1981 , 19, 1237-45	2.4	37
79	Population structure of the intertidal copepod <i>Tigriopus californicus</i> as revealed by field manipulation of allele frequencies. <i>Oecologia</i> , 1984 , 65, 108-111	2.9	36
78	Enhancement of red abalone <i>Haliotis rufescens</i> stocks at San Miguel Island: reassessing a success story. <i>Marine Ecology - Progress Series</i> , 2000 , 202, 303-308	2.6	35
77	Transcriptome-wide patterns of divergence during allopatric evolution. <i>Molecular Ecology</i> , 2016 , 25, 1478-93	5.7	34
76	Temporal attachment dynamics by distinct bacterial taxa during a dinoflagellate bloom. <i>Aquatic Microbial Ecology</i> , 2011 , 63, 111-122	1.1	33
75	Genomic evidence for ecological divergence against a background of population homogeneity in the marine snail <i>Chlorostoma funebris</i> . <i>Molecular Ecology</i> , 2016 , 25, 3557-73	5.7	33
74	Interpopulation hybridization results in widespread viability selection across the genome in <i>Tigriopus californicus</i> . <i>BMC Genetics</i> , 2011 , 12, 54	2.6	32
73	Differentiation and Integration of the Genome in Populations of the Marine Copepod <i>Tigriopus californicus</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1987 , 41, 504	3.8	32
72	Variation in Thermal Tolerance and Its Relationship to Mitochondrial Function Across Populations of. <i>Frontiers in Physiology</i> , 2019 , 10, 213	4.6	30
71	Phenotypic evidence for local adaptation to heat stress in the marine snail <i>Chlorostoma</i> (formerly <i>Tegula</i>) <i>funebris</i> . <i>Journal of Experimental Marine Biology and Ecology</i> , 2013 , 448, 360-366	2.1	30
70	Invasion of Hawaiian shores by an Atlantic barnacle. <i>Marine Ecology - Progress Series</i> , 1998 , 165, 119-126.	2.6	30
69	High-throughput molecular identification of fish eggs using multiplex suspension bead arrays. <i>Molecular Ecology Resources</i> , 2012 , 12, 57-66	8.4	29
68	Molecular evolution at the cytochrome oxidase subunit 2 gene among divergent populations of the intertidal copepod, <i>Tigriopus californicus</i> . <i>Journal of Molecular Evolution</i> , 2006 , 62, 753-64	3.1	28
67	Regulation of proline synthesis during osmotic stress in the copepod <i>Tigriopus californicus</i> . <i>The Journal of Experimental Zoology</i> , 1991 , 259, 166-173		28
66	Monitoring Spawning Activity in a Southern California Marine Protected Area Using Molecular Identification of Fish Eggs. <i>PLoS ONE</i> , 2015 , 10, e0134647	3.7	28
65	Strong selective effects of mitochondrial DNA on the nuclear genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6616-6621	11.5	27
64	Reverse genetics in the tide pool: knock-down of target gene expression via RNA interference in the copepod <i>Tigriopus californicus</i> . <i>Molecular Ecology Resources</i> , 2015 , 15, 868-79	8.4	27

63	Amino acid synthesis during hyperosmotic stress in penaeus aztecus postlarvae. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1993 , 106, 49-56		27
62	Evaluating the performance of captive breeding techniques for conservation hatcheries: a case study of the delta smelt captive breeding program. <i>Journal of Heredity</i> , 2013 , 104, 92-104	2.4	26
61	Variation in cytochrome-c oxidase activity is not maternally inherited in the copepod Tigriopus californicus. <i>Heredity</i> , 1998 , 80, 668-674	3.6	26
60	Characterization of the glutamate dehydrogenase gene and its regulation in a euryhaline copepod. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003 , 135, 639-46	2.3	26
59	Early life stages are not always the most sensitive: heat stress responses in the copepod Tigriopus californicus. <i>Marine Ecology - Progress Series</i> , 2014 , 517, 75-83	2.6	26
58	DISRUPTION OF MITOCHONDRIAL FUNCTION IN INTERPOPULATION HYBRIDS OF TIGRIOPUS CALIFORNICUS. <i>Evolution; International Journal of Organic Evolution</i> , 2006 , 60, 1382	3.8	23
57	Isolation and characterization of cytochrome c from the marine copepod Tigriopus californicus. <i>Gene</i> , 2000 , 248, 15-22	3.8	23
56	A gene-based SNP resource and linkage map for the copepod Tigriopus californicus. <i>BMC Genomics</i> , 2011 , 12, 568	4.5	22
55	Hybrid Breakdown in Physiological Response: A Mechanistic Approach. <i>Evolution; International Journal of Organic Evolution</i> , 1990 , 44, 1806	3.8	22
54	Genomic scans reveal multiple mito-nuclear incompatibilities in population crosses of the copepod Tigriopus californicus. <i>Evolution; International Journal of Organic Evolution</i> , 2019 , 73, 609-620	3.8	21
53	Temporal and spatial distributions of marine Synechococcus in the Southern California Bight assessed by hybridization to bead-arrays. <i>Marine Ecology - Progress Series</i> , 2011 , 426, 133-147	2.6	21
52	Regulation of proline synthesis in osmotic response: Effects of protein synthesis inhibitors. <i>The Journal of Experimental Zoology</i> , 1991 , 259, 272-277		20
51	Unexpected genetic differentiation between recently recolonized populations of a long-lived and highly vagile marine mammal. <i>Ecology and Evolution</i> , 2013 , 3, 3701-12	2.8	19
50	Dynamics of marine bacterial and phytoplankton populations using multiplex liquid bead array technology. <i>Environmental Microbiology</i> , 2010 , 12, 975-89	5.2	18
49	VIABILITY OF CYTOCHROME C GENOTYPES DEPENDS ON CYTOPLASMIC BACKGROUNDS IN TIGRIOPUS CALIFORNICUS. <i>Evolution; International Journal of Organic Evolution</i> , 2001 , 55, 1592	3.8	18
48	Multiple paternity in leopard shark (<i>Triakis semifasciata</i>) litters sampled from a predominantly female aggregation in La Jolla, California, USA. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013 , 446, 110-114	2.1	17
47	Incorporation of ¹⁴ C-bicarbonate into the free amino acid pool during hyperosmotic stress in an intertidal copepod. <i>The Journal of Experimental Zoology</i> , 1986 , 238, 55-61		17
46	Estimating diversity of crabs (Decapoda: Brachyura) in a no-take marine protected area of the SW Atlantic coast through DNA barcoding of larvae. <i>Systematics and Biodiversity</i> , 2016 , 14, 288-302	1.7	16

45	Unusual structure of ribosomal DNA in the copepod <i>Tigriopus californicus</i> : intergenic spacer sequences lack internal subrepeats. <i>Gene</i> , 2005 , 344, 105-13	3.8	16
44	DNA sequencing of fish eggs and larvae reveals high species diversity and seasonal changes in spawning activity in the southeastern Gulf of California. <i>Marine Ecology - Progress Series</i> , 2018 , 592, 159-179	2.6	16
43	Multiple Modes of Adaptation: Regulatory and Structural Evolution in a Small Heat Shock Protein Gene. <i>Molecular Biology and Evolution</i> , 2018 , 35, 2110-2119	8.3	15
42	VARIATION IN ALCOHOL DEHYDROGENASE ACTIVITY AND FLOOD TOLERANCE IN WHITE CLOVER, TRIFOLIUM REPENS. <i>Evolution; International Journal of Organic Evolution</i> , 1992 , 46, 721-734	3.8	15
41	Application of bead array technology to community dynamics of marine phytoplankton. <i>Marine Ecology - Progress Series</i> , 2005 , 288, 75-85	2.6	15
40	Ribosomal RNA gene silencing in interpopulation hybrids of <i>Tigriopus californicus</i> : nucleolar dominance in the absence of intergenic spacer subrepeats. <i>Genetics</i> , 2006 , 173, 1479-86	4	14
39	Exposure to fluctuating salinity enhances free amino acid accumulation in <i>Tigriopus californicus</i> (Copepoda). <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1988 , 158, 99-105	2.2	14
38	Genetics of mitochondrial glutamate-oxaloacetate transaminase (GOT-2) in <i>Tigriopus californicus</i> . <i>Biochemical Genetics</i> , 1984 , 22, 339-47	2.4	13
37	Molecular Markers, Natural History, and Conservation of Marine Animals. <i>BioScience</i> , 2009 , 59, 831-840	5.7	12
36	Variation in Alcohol Dehydrogenase Activity and Flood Tolerance in White Clover, <i>Trifolium repens</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1992 , 46, 721	3.8	12
35	Depth regulatory behavior of the first stage zoea larvae of the sand crab <i>Emerita analoga</i> Stimpson (Decapoda: Hippidae). <i>Journal of Experimental Marine Biology and Ecology</i> , 1979 , 37, 255-270	2.1	12
34	Diversifying selection underlies the origin of allozyme polymorphism at the phosphoglucose isomerase locus in <i>Tigriopus californicus</i> . <i>PLoS ONE</i> , 2012 , 7, e40035	3.7	12
33	Variation in developmental temperature alters adulthood plasticity of thermal tolerance in. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	12
32	Ecologically Relevant Temperature Ramping Rates Enhance the Protective Heat Shock Response in an Intertidal Ectotherm. <i>Physiological and Biochemical Zoology</i> , 2019 , 92, 152-162	2	11
31	Genetic structure of leopard shark (<i>Triakis semifasciata</i>) populations along the Pacific coast of North America. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015 , 472, 151-157	2.1	11
30	Twins or not? Genetic analysis of putative twins in Antarctic fur seals, <i>Arctocephalus gazella</i> , on the South Shetland Islands. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012 , 412, 13-19	2.1	11
29	ENVIRONMENTAL INFLUENCES ON EPISTATIC INTERACTIONS: VIABILITIES OF CYTOCHROME C GENOTYPES IN INTERPOPULATION CROSSES. <i>Evolution; International Journal of Organic Evolution</i> , 2003 , 57, 2286	3.8	11
28	Microsatellite and Mitochondrial Genetic Comparisons between Northern and Southern Populations of California Grunion (<i>Leuresthes tenuis</i>). <i>Copeia</i> , 2009 , 2009, 465-474	1.1	10

27	Efficacy of metabarcoding for identification of fish eggs evaluated with mock communities. <i>Ecology and Evolution</i> , 2020 , 10, 3463-3476	2.8	9
26	THE RECRUITMENT SWEEPSTAKES HAS MANY WINNERS: GENETIC EVIDENCE FROM THE SEA URCHIN <i>STRONGYLOCENTROTUS PURPURATUS</i> . <i>Evolution; International Journal of Organic Evolution</i> , 2002 , 56, 1445	3.8	9
25	Isolation and cross-amplification of microsatellites in pink abalone (<i>Haliotis corrugata</i>). <i>Molecular Ecology Resources</i> , 2008 , 8, 701-3	8.4	8
24	High male reproductive success in a low-density Antarctic fur seal (<i>Arctocephalus gazella</i>) breeding colony. <i>Behavioral Ecology and Sociobiology</i> , 2014 , 68, 597-604	2.5	7
23	Improving metabarcoding taxonomic assignment: A case study of fishes in a large marine ecosystem. <i>Molecular Ecology Resources</i> , 2021 , 21, 2546-2564	8.4	7
22	Hybridization between delta smelt and two other species within the family Osmeridae in the San Francisco Bay-Delta. <i>Conservation Genetics</i> , 2014 , 15, 489-494	2.6	6
21	Trehalase polymorphism in <i>Drosophila melanogaster</i> . <i>Biochemical Genetics</i> , 1986 , 24, 715-9	2.4	6
20	Sex-specific rejection in mate-guarding pair formation in the intertidal copepod, <i>Tigriopus californicus</i> . <i>PLoS ONE</i> , 2017 , 12, e0183758	3.7	5
19	Impacts of ecology and behavior on Antarctic fur seal remating and relatedness. <i>Journal of Experimental Marine Biology and Ecology</i> , 2016 , 476, 72-77	2.1	4
18	Regional patterns of thermal stress and constitutive gene expression in the marine snail <i>Chlorostoma funebris</i> in northern and southern California. <i>Marine Ecology - Progress Series</i> , 2016 , 556, 143-159	2.6	4
17	Genetic assessment of the population connectivity of the red urchin (<i>Strongylocentrotus franciscanus</i>). <i>Journal of Experimental Marine Biology and Ecology</i> , 2012 , 432-433, 47-54	2.1	3
16	Allele-Specific Expression and Evolution of Gene Regulation Underlying Acute Heat Stress Response and Local Adaptation in the Copepod <i>Tigriopus californicus</i> . <i>Journal of Heredity</i> , 2020 , 111, 539-547	2.4	2
15	Population genetics and conservation implications for the endangered delta smelt in the San Francisco Bay-Delta. <i>Conservation Genetics</i> , 2011 , 12, 1421-1434	2.6	2
14	Consequences of knockdown on gene expression during the heat shock response in. <i>Journal of Experimental Biology</i> , 2020 , 223,	3	2
13	Recovery from hybrid breakdown reveals a complex genetic architecture of mitonuclear incompatibilities. <i>Molecular Ecology</i> , 2021 , 30, 6403-6416	5.7	2
12	The role of mitonuclear incompatibilities in allopatric speciation.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 103	10.3	1
11	Mitochondrial DNA has strong selective effects across the nuclear genome		1
10	Individual Culturing of <i>Tigriopus</i> Copepods and Quantitative Analysis of Their Mate-guarding Behavior. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	1

- 9 Evidence for hybrid breakdown in production of red carotenoids in the marine invertebrate *Tigriopus californicus*. *PLoS ONE*, **2021**, 16, e0259371 3.7 ○
- 8 Admixture in Africanized honey bees () from Panama to San Diego, California (U.S.A.). *Ecology and Evolution*, **2022**, 12, e8580 2.8 ○
- 7 Interbreeding between two populations of *Acartia californiensis* (Copepoda: Calanoida): a laboratory study. *Journal of the Marine Biological Association of the United Kingdom*, **1999**, 79, 945-948 1.1
- 6 The importance of making testable predictions: A cautionary tale. *PLoS ONE*, **2020**, 15, e0236541 3.7
- 5 Spatial and temporal variation in the species diversity of coastal California fish eggs. *Marine Ecology - Progress Series*, **2021**, 669, 139-149 2.6
- 4 The importance of making testable predictions: A cautionary tale **2020**, 15, e0236541
- 3 The importance of making testable predictions: A cautionary tale **2020**, 15, e0236541
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- 1 The importance of making testable predictions: A cautionary tale **2020**, 15, e0236541