

Richard Borowsky

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,689
citations

394421

19
h-index

454955

30
g-index

37
all docs

37
docs citations

37
times ranked

1959
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic analysis of cavefish reveals molecular convergence in the evolution of albinism. <i>Nature Genetics</i> , 2006, 38, 107-111.	21.4	492
2	A Novel Role for Mc1r in the Parallel Evolution of Depigmentation in Independent Populations of the Cavefish <i>Astyanax mexicanus</i> . <i>PLoS Genetics</i> , 2009, 5, e1000326.	3.5	272
3	The cavefish genome reveals candidate genes for eye loss. <i>Nature Communications</i> , 2014, 5, 5307.	12.8	256
4	Regressive Evolution in the Mexican Cave Tetra, <i>Astyanax mexicanus</i> . <i>Current Biology</i> , 2007, 17, 452-454.	3.9	239
5	Insulin resistance in cavefish as an adaptation to a nutrient-limited environment. <i>Nature</i> , 2018, 555, 647-651.	27.8	196
6	Loss of Schooling Behavior in Cavefish through Sight-Dependent and Sight-Independent Mechanisms. <i>Current Biology</i> , 2013, 23, 1874-1883.	3.9	182
7	Multi-trait evolution in a cave fish, <i>Astyanax mexicanus</i> . <i>Evolution & Development</i> , 2008, 10, 196-209.	2.0	169
8	The role of gene flow in rapid and repeated evolution of cave-related traits in Mexican tetra, <i>Astyanax mexicanus</i> . <i>Molecular Ecology</i> , 2018, 27, 4397-4416.	3.9	160
9	Convergence in feeding posture occurs through different genetic loci in independently evolved cave populations of <i>Astyanax mexicanus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16933-16938.	7.1	126
10	Restoring sight in blind cavefish. <i>Current Biology</i> , 2008, 18, R23-R24.	3.9	112
11	Synteny and candidate gene prediction using an anchored linkage map of <i>Astyanax mexicanus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20106-20111.	7.1	73
12	A chromosome-level genome of <i>Astyanax mexicanus</i> surface fish for comparing population-specific genetic differences contributing to trait evolution. <i>Nature Communications</i> , 2021, 12, 1447.	12.8	60
13	PATTERNS OF MATING IN NATURAL POPULATIONS OF <i>XIPHOPHORUS</i> (PISCES: POECILIIDAE). I: <i>X. MACULATUS</i> FROM BELIZE AND MEXICO. <i>Evolution; International Journal of Organic Evolution</i> , 1976, 30, 693-706.	2.3	42
14	Breeding <i>Astyanax mexicanus</i> through Natural Spawning. <i>Cold Spring Harbor Protocols</i> , 2008, 2008, pdb.prot5091.	0.3	36
15	Cavefishes. <i>Current Biology</i> , 2018, 28, R60-R64.	3.9	33
16	Genomic Consequences of Ecological Speciation in <i>Astyanax</i> Cavefish. <i>PLoS ONE</i> , 2013, 8, e79903.	2.5	26
17	<i>Astyanax mexicanus</i> , the Blind Mexican Cave Fish: A Model for Studies in Development and Morphology: Figure 1.. <i>Cold Spring Harbor Protocols</i> , 2008, 2008, pdb.emo107.	0.3	25
18	Temperature preference of cave and surface populations of <i>Astyanax mexicanus</i> . <i>Developmental Biology</i> , 2018, 441, 338-344.	2.0	25

#	ARTICLE	IF	CITATIONS
19	Handling <i>Astyanax mexicanus</i> Eggs and Fry. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5093-pdb.prot5093.	0.3	22
20	TAILSPOTS OF <i>XIPHOPHORUS</i> AND THE EVOLUTION OF CONSPICUOUS POLYMORPHISM. Evolution; International Journal of Organic Evolution, 1981, 35, 345-358.	2.3	20
21	AMYLASE VARIATION IN THE SALT MARSH AMPHIPOD, <i>GAMMARUS PALUSTRIS</i> . Genetics, 1985, 111, 311-323.	2.9	20
22	Eye regression in blind <i>Astyanax</i> cavefish may facilitate the evolution of an adaptive behavior and its sensory receptors. BMC Biology, 2013, 11, 81.	3.8	16
23	Unique sperm haplotypes are associated with phenotypically different sperm subpopulations in <i>Astyanax</i> fish. BMC Biology, 2018, 16, 72.	3.8	15
24	DETECTION OF THE EFFECTS OF SELECTION ON PROTEIN POLYMORPHISMS IN NATURAL POPULATIONS BY MEANS OF A DISTANCE ANALYSIS. Evolution; International Journal of Organic Evolution, 1977, 31, 341-346.	2.3	12
25	THE TAILSPOT POLYMORPHISM OF <i>XIPHOPHORUS</i> (PISCES: POECILIIDAE). Evolution; International Journal of Organic Evolution, 1978, 32, 886-893.	2.3	12
26	HABITAT CHOICE BY ALLELIC VARIANTS IN <i>XIPHOPHORUS VARIATUS</i> (PISCES; POECILIIDAE) AND IMPLICATIONS FOR MAINTENANCE OF GENETIC POLYMORPHISM. Evolution; International Journal of Organic Evolution, 1990, 44, 1338-1345.	2.3	11
27	In Vitro Fertilization of <i>Astyanax mexicanus</i> . Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5092-pdb.prot5092.	0.3	10
28	Regressive Evolution. , 2016, , 93-109.		7
29	Sperm swimming behaviors are correlated with sperm haploid genetic variability in the Mexican tetra, <i>Astyanax mexicanus</i> . PLoS ONE, 2019, 14, e0218538.	2.5	7
30	Determining the Sex of Adult <i>Astyanax mexicanus</i> . Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5090-pdb.prot5090.	0.3	6
31	Principle of Competitive Exclusion and <i>Drosophila</i> . Nature, 1971, 230, 409-410.	27.8	4
32	Evolution: The genetics of trait evolution in cavefish. Current Biology, 2021, 31, R1014-R1016.	3.9	2
33	THE USE OF PARALLEL PATTERNS TO TEST NEUTRALITY: A REPLY TO VARVIO-AHO AND PAMILO. Evolution; International Journal of Organic Evolution, 1982, 36, 204-204.	2.3	0