Richard Borowsky

List of Publications by Year
in descending order

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	A chromosome-level genome of Astyanax mexicanus surface fish for comparing population-specific genetic differences contributing to trait evolution. Nature Communications, 2021, 12, 1447.	12.8	60
2	Evolution: The genetics of trait evolution in cavefish. Current Biology, 2021, 31, R1014-R1016.	3.9	2
3	Sperm swimming behaviors are correlated with sperm haploid genetic variability in the Mexican tetra, Astyanax mexicanus. PLoS ONE, 2019, 14, e0218538.	2.5	7
4	Cavefishes. Current Biology, 2018, 28, R60-R64.	3.9	33
5	Temperature preference of cave and surface populations of Astyanax mexicanus. Developmental Biology, 2018, 441, 338-344.	2.0	25
6	Insulin resistance in cavefish as an adaptation to a nutrient-limited environment. Nature, 2018, 555, 647-651.	27.8	196
7	Unique sperm haplotypes are associated with phenotypically different sperm subpopulations in Astyanax fish. BMC Biology, 2018, 16, 72.	3.8	15
8	The role of gene flow in rapid and repeated evolution of caveâ€related traits in Mexican tetra, <i>Astyanax mexicanus</i>. Molecular Ecology, 2018, 27, 4397-4416.	3.9	160
9	Regressive Evolution. , 2016, , 93-109.		7
10	The cavefish genome reveals candidate genes for eye loss. Nature Communications, 2014, 5, 5307.	12.8	256
11	Eye regression in blind Astyanax cavefish may facilitate the evolution of an adaptive behavior and its sensory receptors. BMC Biology, 2013, 11, 81.	3.8	16
12	Loss of Schooling Behavior in Cavefish through Sight-Dependent and Sight-Independent Mechanisms. Current Biology, 2013, 23, 1874-1883.	3.9	182
13	Convergence in feeding posture occurs through different genetic loci in independently evolved cave populations of <i>Astyanax mexicanus</i>. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16933-16938.	7.1	126
14	Genomic Consequences of Ecological Speciation in Astyanax Cavefish. PLoS ONE, 2013, 8, e79903.	2.5	26
15	A Novel Role for Mc1r in the Parallel Evolution of Depigmentation in Independent Populations of the Cavefish Astyanax mexicanus. PLoS Genetics, 2009, 5, e1000326.	3.5	272
16	Multiâ€trait evolution in a cave fish,<i>Astyanax mexicanus</i>. Evolution & Development, 2008, 10, 196-209.	2.0	169
17	Restoring sight in blind cavefish. Current Biology, 2008, 18, R23-R24.	3.9	112
18	<i>Astyanax mexicanus</i>, the Blind Mexican Cave Fish: A Model for Studies in Development and Morphology: Figure 1.. Cold Spring Harbor Protocols, 2008, 2008, pdb.emo107.	0.3	25

#	Article	IF	Citations
19	Breeding <i>Astyanax mexicanus</i> through Natural Spawning. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5091.	0.3	36
20	In Vitro Fertilization of Astyanax mexicanus. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5092-pdb.prot5092.	0.3	10
21	Determining the Sex of Adult Astyanax mexicanus. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5090-pdb.prot5090.	0.3	6
22	Synteny and candidate gene prediction using an anchored linkage map of <i>Astyanax mexicanus</i>. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20106-20111.	7.1	73
23	Handling Astyanax mexicanus Eggs and Fry. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5093-pdb.prot5093.	0.3	22
24	Regressive Evolution in the Mexican Cave Tetra, Astyanax mexicanus. Current Biology, 2007, 17, 452-454.	3.9	239
25	Genetic analysis of cavefish reveals molecular convergence in the evolution of albinism. Nature Genetics, 2006, 38, 107-111.	21.4	492
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	AMYLASE VARIATION IN THE SALT MARSH AMPHIPOD, GAMMARUS PALUSTRIS. Genetics, 1985, 111, 311-323.	2.9	20
28	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
29	TAILSPOTS OF <i>XIPHOPHORUS</i> AND THE EVOLUTION OF CONSPICUOUS POLYMORPHISM. Evolution; International Journal of Organic Evolution, 1981, 35, 345-358.	2.3	20
30	THE TAILSPOT POLYMORPHISM OF <i>XIPHOPHORUS</i> (PISCES: POECILIIDAE). Evolution; International Journal of Organic Evolution, 1978, 32, 886-893.	2.3	12
31	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
32	PATTERNS OF MATING IN NATURAL POPULATIONS OF <i>XIPHOPHORUS</i> (PISCES: POECILIIDAE). I: <i>X. MACULATUS</i> FROM BELIZE AND MEXICO. Evolution; International Journal of Organic Evolution, 1976, 30, 693-706.	2.3	42
33	Principle of Competitive Exclusion and Drosophila. Nature, 1971, 230, 409-410.	27.8	4