Richard G Harrison

List of Publications by Citations

84 papers	4,818 citations	41 h-index	68 g-index
89 ext. papers	5,368 ext. citations	5.4 avg, IF	5.94 L-index

#	Paper	IF	Citations
84	Animal mitochondrial DNA as a genetic marker in population and evolutionary biology. *Trends in Ecology and Evolution*, **1989**, 4, 6-11	10.9	438
83	Hybridization, introgression, and the nature of species boundaries. *Journal of Heredity*, **2014**, 105 Suppl 1, 795-809	2.4	348
82	Pattern and process in a narrow hybrid zone. *Heredity*, **1986**, 56, 337-349	3.6	229
81	ECOLOGICAL GENETICS OF A MOSAIC HYBRID ZONE: MITOCHONDRIAL, NUCLEAR, AND REPRODUCTIVE DIFFERENTIATION OF CRICKETS BY SOIL TYPE. *Evolution; International Journal of Organic Evolution*, **1989**, 43, 432-449	3.8	207
80	Consequences of reproductive barriers for genealogical discordance in the European corn borer. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 14706-11	11.5	128
79	Heterogeneous genome divergence, differential introgression, and the origin and structure of hybrid zones. *Molecular Ecology*, **2016**, 25, 2454-66	5.7	128
78	PATTERNS OF VARIATION AND LINKAGE DISEQUILIBRIUM IN A FIELD CRICKET HYBRID ZONE. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 493-505	3.8	116
77	Hybrid zones: windows on climate change. *Trends in Ecology and Evolution*, **2015**, 30, 398-406	10.9	115
76	Molecular evolution of seminal proteins in field crickets. *Molecular Biology and Evolution*, **2006**, 23, 1574-84	8.4	113
75	Phylogeny and Evolutionary History of the Ground Squirrels (Rodentia: Marmotinae). *Journal of Mammalian Evolution*, **2003**, 10, 249-276	2.2	105
74	Patterns, causes, and consequences of marine larval dispersal. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 13940-5	11.5	101
73	Ecological Genetics of a Mosaic Hybrid Zone: Mitochondrial, Nuclear, and Reproductive Differentiation of Crickets by Soil Type. *Evolution; International Journal of Organic Evolution*, **1989**, 43, 432	3.8	99
72	Mitochondrial DNA transmission genetics in crickets. *Genetics*, **1986**, 114, 955-70	4	94
71	A fine-scale spatial analysis of the mosaic hybrid zone between Gryllus firmus and Gryllus pennsylvanicus. *Evolution; International Journal of Organic Evolution*, **2002**, 56, 2296-312	3.8	90
70	Genetic mapping of sexual isolation between E and Z pheromone strains of the european corn Borer (Ostrinia nubilalis). *Genetics*, **2004**, 167, 301-9	4	86
69	Nuclear gene genealogies reveal historical, demographic and selective factors associated with speciation in field crickets. *Genetics*, **2003**, 163, 1389-401	4	80
68	Variation in Mitochondrial DNA and the Biogeographic History of Woodrats (Neotoma) of the Eastern United States. *Systematic Biology*, **1992**, 41, 331-344	8.4	79

67	Combined EST and proteomic analysis identifies rapidly evolving seminal fluid proteins in Heliconius butterflies. *Molecular Biology and Evolution*, **2010**, 27, 2000-13	8.3	75
66	The language of speciation. *Evolution; International Journal of Organic Evolution*, **2012**, 66, 3643-57	3.8	73
65	HYBRIDIZATION IN WESTERN ATLANTIC STONE CRABS (GENUS MENIPPE): EVOLUTIONARY HISTORY AND ECOLOGICAL CONTEXT INFLUENCE SPECIES INTERACTIONS. *Evolution; International Journal of Organic Evolution*, **1988**, 42, 528-544	3.8	71
64	Identification and comparative analysis of accessory gland proteins in Orthoptera. *Genome*, **2006**, 49, 1069-80	2.4	70
63	MITOCHONDRIAL DNA VARIATION WITHIN AND BETWEEN SPECIES OF THE PAPILIO MACHAON GROUP OF SWALLOWTAIL BUTTERFLIES. *Evolution; International Journal of Organic Evolution*, **1994** , 48, 408-422	3.8	69
62	Genealogical relationships within and among shallow-water Ciona species (Ascidiacea). *Marine Biology*, **2007**, 151, 1839-1847	2.5	68
61	A NARROW HYBRID ZONE BETWEEN CLOSELY RELATED CRICKET SPECIES. *Evolution; International Journal of Organic Evolution*, **1982**, 36, 535-552	3.8	64
60	Gene flow and the maintenance of species boundaries. *Molecular Ecology*, **2014**, 23, 1668-78	5.7	63
59	Polymorphism and divergence within the ascidian genus Ciona. *Molecular Phylogenetics and Evolution*, **2010**, 56, 718-26	4.1	63
58	BARRIERS TO GENE EXCHANGE BETWEEN CLOSELY RELATED CRICKET SPECIES. II. LIFE CYCLE VARIATION AND TEMPORAL ISOLATION. *Evolution; International Journal of Organic Evolution*, **1985**, 39, 244-259	3.8	63
57	BARRIERS TO GENE EXCHANGE BETWEEN CLOSELY RELATED CRICKET SPECIES. I. LABORATORY HYBRIDIZATION STUDIES. *Evolution; International Journal of Organic Evolution*, **1983**, 37, 245-251	3.8	58
56	Patterns of Genetic Variation within and among Gypsy Moth, Lymantria dispar (Lepidoptera: Lymantriidae), Populations. *Annals of the Entomological Society of America*, **1983**, 76, 652-656	2	57
55	Searching for candidate speciation genes using a proteomic approach: seminal proteins in field crickets. *Proceedings of the Royal Society B: Biological Sciences*, **2008**, 275, 1975-83	4.4	56
54	Genealogical discordance and patterns of introgression and selection across a cricket hybrid zone. *Evolution; International Journal of Organic Evolution*, **2009**, 63, 2999-3015	3.8	54
53	Patterns of Variation and Linkage Disequilibrium in a Field Cricket Hybrid Zone. *Evolution; International Journal of Organic Evolution*, **1997**, 51, 493	3.8	54
52	Phylogeography of spruce beetles (Dendroctonus rufipennis Kirby) (Curculionidae: Scolytinae) in North America. *Molecular Ecology*, **2007**, 16, 2560-73	5.7	52
51	Mitochondrial DNA phylogeny of North American field crickets: perspectives on the evolution of life cycles, songs, and habitat associations. *Journal of Evolutionary Biology*, **1995**, 8, 209-232	2.3	52
50	Introgression despite substantial divergence in a broadcast spawning marine invertebrate. *Evolution; International Journal of Organic Evolution*, **2011**, 65, 429-42	3.8	51

49	SPECIATION IN NORTH AMERICAN FIELD CRICKETS: EVIDENCE FROM ELECTROPHORETIC COMPARISONS. *Evolution; International Journal of Organic Evolution*, **1979**, 33, 1009-1023	3.8	51
48	Lateral phage transfer in obligate intracellular bacteria (wolbachia): verification from natural populations. *Molecular Biology and Evolution*, **2010**, 27, 501-5	8.3	49
47	Differential introgression in a mosaic hybrid zone reveals candidate barrier genes. *Evolution; International Journal of Organic Evolution*, **2013**, 67, 3653-61	3.8	47
46	Allozyme Differentiation between Pheromone Strains of the European Corn Borer, Ostrinia nubilalis1,2. *Annals of the Entomological Society of America*, **1977**, 70, 717-720	2	47
45	Patterns of transcriptome divergence in the male accessory gland of two closely related species of field crickets. *Genetics*, **2013**, 193, 501-13	4	45
44	Pheromone binding proteins in the European and Asian corn borers: no protein change associated with pheromone differences. *Insect Biochemistry and Molecular Biology*, **1999**, 29, 277-84	4.5	41
43	Molecular differentiation at nuclear loci in French host races of the European corn borer (Ostrinia nubilalis). *Genetics*, **2007**, 176, 2343-55	4	40
42	Balancing selection on electrophoretic variation of phosphoglucose isomerase in two species of field cricket: Gryllus veletis and G. offnsylvanicus. *Genetics*, **1997**, 147, 609-21	4	40
41	Genomic Basis of Circannual Rhythm in the European Corn Borer Moth. *Current Biology*, **2019**, 29, 3501-3509.e5	8.3	36
40	Inferences about the origin of a field cricket hybrid zone from a mitochondrial DNA phylogeny. *Heredity*, **1997**, 79 (Pt 5), 484-94	3.6	36
39	Hybrid zone origins, species boundaries, and the evolution of wing-pattern diversity in a polytypic species complex of North American admiral butterflies (Nymphalidae: Limenitis). *Evolution; International Journal of Organic Evolution*, **2008**, 62, 1400-17	3.8	36
38	Genetic structure, admixture and invasion success in a Holarctic defoliator, the gypsy moth (Lymantria dispar, Lepidoptera: Erebidae). *Molecular Ecology*, **2015**, 24, 1275-91	5.7	34
37	Decoupling of rapid and adaptive evolution among seminal fluid proteins in heliconius butterflies with divergent mating systems. *Evolution; International Journal of Organic Evolution*, **2011**, 65, 2855-71	3.8	32
36	EST analysis of male accessory glands from Heliconius butterflies with divergent mating systems. *BMC Genomics*, **2008**, 9, 592	4.5	32
35	SPATIAL POPULATION STRUCTURE IN THE WHIRLIGIG BEETLE DINEUTUS ASSIMILIS: EVOLUTIONARY INFERENCES BASED ON MITOCHONDRIAL DNA AND FIELD DATA. *Evolution; International Journal of Organic Evolution*, **1995**, 49, 266-275	3.8	32
34	Barriers to Gene Exchange Between Closely Related Cricket Species. I. Laboratory Hybridization Studies. *Evolution; International Journal of Organic Evolution*, **1983**, 37, 245	3.8	31
33	A comparison of next generation sequencing technologies for transcriptome assembly and utility for RNA-Seq in a non-model bird. *PLoS ONE*, **2014**, 9, e108550	3.7	30
32	Parallel variation at an enzyme locus in sibling species of field crickets. *Nature*, **1977**, 266, 168-70	50.4	29

31	Insights into genome differentiation: pheromone-binding protein variation and population history in the European corn borer (Ostrinia nubilalis). *Genetics*, **1999**, 153, 1743-51	4	28
30	Habitat Segregation in Ground Crickets: The Role of Interspecific Competition and Habitat Selection. *Ecology*, **1984**, 65, 69-76	4.6	27
29	A Narrow Hybrid Zone Between Closely Related Cricket Species. *Evolution; International Journal of Organic Evolution*, **1982**, 36, 535	3.8	27
28	Multiple barriers to gene exchange in a field cricket hybrid zone. *Biological Journal of the Linnean Society*, **2009**, 97, 390-402	1.9	26
27	Structure of a mosaic hybrid zone between the field crickets Gryllus firmus and G. pennsylvanicus. *Ecology and Evolution*, **2013**, 3, 985-1002	2.8	21
26	Analysis of genetic diversity in an invasive population of Asian long-horned beetles in Ontario, Canada. *Canadian Entomologist*, **2009**, 141, 582-594	0.7	21
25	Barriers to Gene Exchange Between Closely Related Cricket Species. II. Life Cycle Variation and Temporal Isolation. *Evolution; International Journal of Organic Evolution*, **1985**, 39, 244	3.8	21
24	Gene genealogies reveal differentiation at sex pheromone olfactory receptor loci in pheromone strains of the European corn borer, Ostrinia nubilalis. *Evolution; International Journal of Organic Evolution*, **2011**, 65, 1583-93	3.8	18
23	Unraveling hierarchical genetic structure in a marine metapopulation: A comparison of three high-throughput genotyping approaches. *Molecular Ecology*, **2020**, 29, 2189-2203	5.7	17
22	A flicker of hope: Genomic data distinguish Northern Flicker taxa despite low levels of divergenceLos taxones de Colaptes auratus son diferenciables con datos genómicos pese a sus bajos niveles de divergenciaGenomic data distinguish Northern Flicker taxa. *Auk*, **2018**, 135, 748-766	2.1	17
21	Influence of the male ejaculate on post-mating prezygotic barriers in field crickets. *PLoS ONE*, **2012**, 7, e46202	3.7	17
20	A combination of sexual and ecological divergence contributes to rearrangement spread during initial stages of speciation. *Molecular Ecology*, **2017**, 26, 2331-2347	5.7	16
19	Patterns of Genetic Variation Among Populations of the Asian Longhorned Beetle (Coleoptera: Cerambycidae) in China and Korea. *Annals of the Entomological Society of America*, **2009**, 102, 895-905	2	16
18	Do Wolbachia infections play a role in unidirectional incompatibilities in a field cricket hybrid zone?. *Molecular Ecology*, **2001**, 10, 703-9	5.7	16
17	Habitat Segregation in Ground Crickets: Experimental Studies of Adult Survival, Reproductive Success, and Oviposition Preference. *Ecology*, **1984**, 65, 61-68	4.6	16
16	Genes with Restricted Introgression in a Field Cricket (Gryllus firmus/Gryllus pennsylvanicus) Hybrid Zone Are Concentrated on the X Chromosome and a Single Autosome. *G3: Genes, Genomes, Genetics*, **2015**, 5, 2219-27	3.2	15
15	Reproductive protein evolution in two cryptic species of marine chordate. *BMC Evolutionary Biology* , **2011**, 11, 18	3	15
14	Spatial Population Structure in the Whirligig Beetle Dineutus assimilis: Evolutionary Inferences Based on Mitochondrial DNA and Field Data. *Evolution; International Journal of Organic Evolution*, **1995**, 49, 266	3.8	15

13	Variation in Mitochondrial DNA and the Biogeographic History of Woodrats (Neotoma) of the Eastern United States. *Systematic Biology*, **1992**, 41, 331	8.4	15
12	Two multiplex sets of eight and five microsatellite markers for the European corn borer, Ostrinia nubilalis HÜbner (Lepidoptera: Crambidae). *Molecular Ecology Notes*, **2006**, 6, 945-947		12
11	The Notch locus of Drosophila melanogaster: A molecular analysis. *Genesis*, **1983**, 4, 233-254		12
10	Viability selection on overwintering eggs in a field cricket mosaic hybrid zone. *Oikos*, **2006**, 115, 53-68	4	11
9	Isolation and characterization of microsatellites in Aphidius ervi (Hymenoptera: Braconidae) and their applicability to related species. *Molecular Ecology Notes*, **2001**, 1, 197-199		9
8	Selective constraint dominates the evolution of genes expressed in a novel reproductive gland. *Molecular Biology and Evolution*, **2014**, 31, 3266-81	8.3	7
7	Reproductive Success and Body Size in the Cricket Gryllus firmus. *Journal of Insect Behavior*, **2014**, 27, 346-356	1.1	6
6	A Delta 11 desaturase gene genealogy reveals two divergent allelic classes within the European corn borer (Ostrinia nubilalis). *BMC Evolutionary Biology*, **2010**, 10, 112	3	5
5	Inferences about the origin of a field cricket hybrid zone from a mitochondrial DNA phylogeny		4
4	Genes Integral to the Reproductive Function of Male Reproductive Tissues Drive Heterogeneity in Evolutionary Rates in Japanese Quail. *G3: Genes, Genomes, Genetics*, **2018**, 8, 39-51	3.2	2
3	Genetics reveal the origin and timing of a cryptic insular introduction of muskrats in North America. *PLoS ONE*, **2014**, 9, e111856	3.7	2
2	Return of the Hopeful Monster? - The Material Basis of Evolution.Richard B. Goldschmidt, with an introduction by Stephen J. Gould. Yale University Press; New Haven. 1982. (Reprint of 1940 edition.) xlii + 436 pp. $12.95 (paperback).. *Paleobiology*, **1982**, 8, 459-463	2.6	2
1	Microsatellites in the striped ground crickets, Allonemobius (Orthoptera: Gryllidae). *Molecular Ecology Notes*, **2007**, 7, 1094-1096		