Brent C Emerson

List of Publications by Year in descending order

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57758 58581 7,778 133 44 82 citations h-index g-index papers 138 138 138 9938 docs citations times ranked citing authors all docs

#	Article	IF	Citations
1	Community metabarcoding reveals the relative role of environmental filtering and spatial processes in metacommunity dynamics of soil microarthropods across a mosaic of montane forests. Molecular Ecology, 2023, 32, 6110-6128.	3.9	15
2	Coming of age for COI metabarcoding of whole organism community DNA: Towards bioinformatic harmonisation. Molecular Ecology Resources, 2022, 22, 847-861.	4.8	22
3	Dispersal ability and its consequences forÂpopulation genetic differentiation andÂdiversification. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220489.	2.6	14
4	Hidden island endemic species and their implications for cryptic speciation within soil arthropods. Journal of Biogeography, 2022, 49, 1367-1380.	3.0	9
5	Community assembly and metaphylogeography of soil biodiversity: Insights from haplotypeâ€level community <scp>DNA</scp> metabarcoding within an oceanic island. Molecular Ecology, 2022, 31, 4078-4094.	3.9	9
6	The limited spatial scale of dispersal in soil arthropods revealed with wholeâ€community haplotypeâ€evel metabarcoding. Molecular Ecology, 2021, 30, 48-61.	3.9	49
7	Longâ€ŧerm cloud forest response to climate warming revealed by insect speciation history*. Evolution; International Journal of Organic Evolution, 2021, 75, 231-244.	2.3	9
8	Sharing and reporting benefits from biodiversity research. Molecular Ecology, 2021, 30, 1103-1107.	3.9	19
9	Flightlessness in insects enhances diversification and determines assemblage structure across whole communities. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202646.	2.6	13
10	Connecting highâ€throughput biodiversity inventories: Opportunities for a siteâ€based genomic framework for global integration and synthesis. Molecular Ecology, 2021, 30, 1120-1135.	3.9	26
11	Genomic variation, population history and within-archipelago adaptation between island bird populations. Royal Society Open Science, 2021, 8, 201146.	2.4	9
12	Validated removal of nuclear pseudogenes and sequencing artefacts from mitochondrial metabarcode data. Molecular Ecology Resources, 2021, 21, 1772-1787.	4.8	32
13	Evaluating species origins within tropical skyâ€islands arthropod communities. Journal of Biogeography, 2021, 48, 2199-2210.	3.0	7
14	Biodiversity monitoring using environmental DNA. Molecular Ecology Resources, 2021, 21, 1405-1409.	4.8	15
15	A unified model of species abundance, genetic diversity, and functional diversity reveals the mechanisms structuring ecological communities. Molecular Ecology Resources, 2021, 21, 2782-2800.	4.8	24
16	Dispersal limitations and longâ€term persistence drive differentiation from haplotypes to communities within a tropical skyâ€island: Evidence from community metabarcoding. Molecular Ecology, 2021, 30, 6611-6626.	3.9	6
17	Habitat filtering and inferred dispersal ability condition acrossâ€scale species turnover and rarity in Macaronesian island spider assemblages. Journal of Biogeography, 2021, 48, 3131-3144.	3.0	5
18	Mitochondrial Metagenomics Reveals the Ancient Origin and Phylodiversity of Soil Mites and Provides a Phylogeny of the Acari. Molecular Biology and Evolution, 2020, 37, 683-694.	8.9	42

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19	Climate drives communityâ€wide divergence within species over a limited spatial scale: evidence from an oceanic island. Ecology Letters, 2020, 23, 305-315.	6.4	28
20	Building a Robust, Densely-Sampled Spider Tree of Life for Ecosystem Research. Diversity, 2020, 12, 288.	1.7	14
21	Revealing community assembly through barcoding: Mediterranean butterflies and dispersal variation. Journal of Animal Ecology, 2020, 89, 1992-1996.	2.8	0
22	Dispersal limitation: Evolutionary origins and consequences in arthropods. Molecular Ecology, 2019, 28, 3137-3140.	3.9	5
23	Unifying macroecology and macroevolution to answer fundamental questions about biodiversity. Global Ecology and Biogeography, 2019, 28, 1925-1936.	5.8	44
24	A topoclimate model for Quaternary insular speciation. Journal of Biogeography, 2019, 46, 2769-2786.	3.0	8
25	Evidence for the Pleistocene persistence of Collembola in Great Britain. Journal of Biogeography, 2019, 46, 1479-1493.	3.0	1
26	An integrated model of population genetics and community ecology. Journal of Biogeography, 2019, 46, 816-829.	3.0	37
27	Evolution of host plant use and diversification in a species complex of parasitic weevils (Coleoptera:) Tj $ETQq1\ 1$	0.784314 2.0	rgBT /Overloo
28	Introgressive hybridization in a Spiny-Tailed Iguana, <i>Ctenosaura pectinata </i> , and its implications for taxonomy and conservation. PeerJ, 2019, 7, e6744.	2.0	4
29	Anagenesis, Cladogenesis, and Speciation on Islands. Trends in Ecology and Evolution, 2018, 33, 488-491.	8.7	22
30	Longâ€ŧerm inÂsitu persistence of biodiversity in tropical sky islands revealed by landscape genomics. Molecular Ecology, 2018, 27, 432-448.	3.9	39
31	Babies, Bathwater, and Straw Men? Not Quite: A Response to Meiri et al Trends in Ecology and Evolution, 2018, 33, 896-897.	8.7	2
32	Community assembly and diversification in a speciesâ€rich radiation of island weevils (Coleoptera:) Tj ETQq0 0 0	rgBT/Ove	rlock 10 Tf 50
33	Statistical Evaluation of Monophyly in the â€~Broad-Nosed Weevils' through Molecular Phylogenetic Analysis Combining Mitochondrial Genome and Single-Locus Sequences (Curculionidae: Entiminae,) Tj ETQq1 1 ().7 & #314 ı	rg&T /Overloc
34	Global Island Monitoring Scheme (GIMS): a proposal for the long-term coordinated survey and monitoring of native island forest biota. Biodiversity and Conservation, 2018, 27, 2567-2586.	2.6	72
35	Why the COI barcode should be the community <scp>DNA</scp> metabarcode for the metazoa. Molecular Ecology, 2018, 27, 3968-3975.	3.9	131

Lack of support for Rensch's rule in an intraspecific test using red flour beetle (<i>Tribolium) Tj ETQq0 0 0 rgBT /Ovgrlock 10 $\frac{1}{4}$ f 50 62 Td $\frac{1}{4}$ f 50 62

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37	Comment on Rieux and Balloux: calibration from tipâ€dating can compromise topological accuracy and evolutionary inference. Molecular Ecology, 2017, 26, 2623-2624.	3.9	1
38	MtDNA metagenomics reveals largeâ€scale invasion of belowground arthropod communities by introduced species. Molecular Ecology, 2017, 26, 3104-3115.	3.9	47
39	Cryptic diversity in the Azorean beetle genus Tarphius Erichson, 1845 (Coleoptera: Zopheridae): An integrative taxonomic approach with description of four new species. Zootaxa, 2017, 4236, 401.	0.5	12
40	Evidence for megaâ€landslides as drivers of island colonization. Journal of Biogeography, 2017, 44, 1053-1064.	3.0	20
41	Connecting Earth observation to high-throughput biodiversity data. Nature Ecology and Evolution, 2017, 1, 176.	7.8	156
42	Assessing the potential of RAD-sequencing to resolve phylogenetic relationships within species radiations: The fly genus Chiastocheta (Diptera: Anthomyiidae) as a case study. Molecular Phylogenetics and Evolution, 2017, 114, 189-198.	2.7	18
43	A roadmap for island biology: 50 fundamental questions after 50Âyears of <i>The Theory of Island Biogeography </i> Journal of Biogeography, 2017, 44, 963-983.	3.0	167
44	A combined field survey and molecular identification protocol for comparing forest arthropod biodiversity across spatial scales. Molecular Ecology Resources, 2017, 17, 694-707.	4.8	30
45	Challenges, advances and perspectives in island biogeography. Frontiers of Biogeography, 2016, 8, .	1.8	5
46	Post-copulatory opportunities for sperm competition and cryptic female choice provide no offspring fitness benefits in externally fertilizing salmon. Royal Society Open Science, 2016, 3, 150709.	2.4	8
47	Evidence for multiple founding lineages and genetic admixture in the evolution of species within an oceanic island weevil (Coleoptera, Curculionidae) superâ fadiation. Journal of Biogeography, 2016, 43, 178-191.	3.0	16
48	Biodiversity in the Mexican highlands and the interaction of geology, geography and climate within the Transâ€Mexican Volcanic Belt. Journal of Biogeography, 2015, 42, 1586-1600.	3.0	205
49	Model misspecification confounds the estimation of rates and exaggerates their time dependency. Molecular Ecology, 2015, 24, 6013-6020.	3.9	7
50	Lack of support for the timeâ€dependent molecular evolution hypothesis. Molecular Ecology, 2015, 24, 702-709.	3.9	27
51	Hostâ€associated genetic divergence and taxonomy in the <i>Rhinusa pilosa</i> <scp>G</scp> yllenhal species complex: an integrative approach. Systematic Entomology, 2015, 40, 268-287.	3.9	13
52	Islands as model systems in ecology and evolution: prospects fifty years after MacArthurâ€Wilson. Ecology Letters, 2015, 18, 200-217.	6.4	356
53	Sexual selection protects against extinction. Nature, 2015, 522, 470-473.	27.8	162
54	Gene Duplication, Population Genomics, and Species-Level Differentiation within a Tropical Mountain Shrub. Genome Biology and Evolution, 2014, 6, 2611-2624.	2.5	25

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55	Fission and fusion in island taxa - serendipity, or something to be expected?. Molecular Ecology, 2014, 23, 5132-5134.	3.9	9
56	Genetic, morphological, and dietary changes associated with novel habitat colonisation in the <scp>C</scp> anary <scp>I</scp> sland endemic grasshopper <i><scp>A</scp>crostira bellamyi</i> Ecological Entomology, 2014, 39, 703-715.	2.2	7
57	Experimental Removal of Sexual Selection Reveals Adaptations to Polyandry in Both Sexes. Evolutionary Biology, 2014, 41, 62-70.	1.1	28
58	Bulk De Novo Mitogenome Assembly from Pooled Total DNA Elucidates the Phylogeny of Weevils (Coleoptera: Curculionoidea). Molecular Biology and Evolution, 2014, 31, 2223-2237.	8.9	195
59	Revision of <i><scp>M</scp>ecinus heydenii</i> species complex (<scp>C</scp> urculionidae): integrative taxonomy reveals multiple species exhibiting host specialization. Zoologica Scripta, 2014, 43, 34-51.	1.7	11
60	Quantifying surfaceâ€area changes of volcanic islands driven by Pleistocene seaâ€level cycles: biogeographical implications for the Macaronesian archipelagos. Journal of Biogeography, 2014, 41, 1242-1254.	3.0	73
61	Molecular characterization of trophic ecology within an island radiation of insect herbivores (<scp>C</scp> urculionidae: <scp>E</scp> ntiminae: <i><scp>C</scp>ratopus</i>). Molecular Ecology, 2013, 22, 5441-5455.	3.9	32
62	Collembola, the biological species concept and the underestimation of global species richness. Molecular Ecology, 2013, 22, 5382-5396.	3.9	60
63	CRYPTIC CHOICE OF CONSPECIFIC SPERM CONTROLLED BY THE IMPACT OF OVARIAN FLUID ON SPERM SWIMMING BEHAVIOR. Evolution; International Journal of Organic Evolution, 2013, 67, 3523-3536.	2.3	92
64	Molecular phylogenetics of (i>Vanda (i>and related genera (Orchidaceae). Botanical Journal of the Linnean Society, 2013, 173, 549-572.	1.6	33
65	Genetic analysis of a contact zone between two lineages of the ocellated lizard (<i>Lacerta) Tj ETQq1 1 0.784314 Zoological Systematics and Evolutionary Research, 2013, 51, 45-54.</i>	rgBT /Ov 1.4	
66	A road map for molecular ecology. Molecular Ecology, 2013, 22, 2605-2626.	3.9	100
67	Molecular phylogenetic analysis of archival tissue reveals the origin of a disjunct southern African–Palaearctic weevil radiation. Journal of Biogeography, 2013, 40, 1348-1359.	3.0	11
68	Reliable, verifiable and efficient monitoring of biodiversity via metabarcoding. Ecology Letters, 2013, 16, 1245-1257.	6.4	514
69	Vulnerability to cavitation, hydraulic efficiency, growth and survival in an insular pine (Pinus) Tj ETQq1 1 0.784314	rgBT /Ov	erlock 10 Tf
70	The Imprint of Geologic History on Within-Island Diversification of Woodlouse-Hunter Spiders (Araneae, Dysderidae) in the Canary Islands. Journal of Heredity, 2013, 104, 341-356.	2.4	27
71	PyroClean: Denoising Pyrosequences from Protein-Coding Amplicons for the Recovery of Interspecific and Intraspecific Genetic Variation. PLoS ONE, 2013, 8, e57615.	2.5	19
72	Phylogeographic Ancestral Inference Using the Coalescent Model on Haplotype Trees. Journal of Computational Biology, 2012, 19, 745-755.	1.6	13

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73	Age, origins and extinctions of the avifauna of Macaronesia: a synthesis of phylogenetic and fossil information. Quaternary Science Reviews, 2012, 50, 14-22.	3.0	58
74	Phylogeography and molecular phylogeny of Macaronesian island <i>Tarphius</i> (Coleoptera:) Tj ETQq0 0 0 rgB	T <i>[</i> Oyerloc	k 10 Tf 50 7
75	Numts help to reconstruct the demographic history of the ocellated lizard (<i>Lacerta lepida</i>) in a secondary contact zone. Molecular Ecology, 2012, 21, 1005-1018.	3.9	26
76	Biodiversity soup: metabarcoding of arthropods for rapid biodiversity assessment and biomonitoring. Methods in Ecology and Evolution, 2012, 3, 613-623.	5 . 2	543
77	Phylogeny, phylogeography, phylobetadiversity and the molecular analysis of biological communities. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2391-2402.	4.0	83
78	Discordant patterns of geographic variation between mitochondrial and microsatellite markers in the Mexican black iguana (Ctenosaura pectinata) in a contact zone. Journal of Biogeography, 2011, 38, 1394-1405.	3.0	25
79	Gene conversion rapidly generates major histocompatibility complex diversity in recently founded bird populations. Molecular Ecology, 2011, 20, 5213-5225.	3.9	84
80	EXPERIMENTAL EVOLUTION EXPOSES FEMALE AND MALE RESPONSES TO SEXUAL SELECTION AND CONFLICT IN TRIBOLIUM CASTANEUM. Evolution; International Journal of Organic Evolution, 2011, 65, 713-724.	2.3	76
81	Morphological, molecular and biological evidence reveal two cryptic species in <i>Mecinus janthinus</i> Germar (Coleoptera, Curculionidae), a successful biological control agent of Dalmatian toadflax, <i>Linaria dalmatica</i> (Lamiales, Plantaginaceae). Systematic Entomology, 2011, 36, 741-753.	3.9	46
82	Phylogeography and demographic history of Lacerta lepida in the Iberian Peninsula: multiple refugia, range expansions and secondary contact zones. BMC Evolutionary Biology, 2011, 11, 170.	3.2	62
83	A Bayesian approach to phylogeographic clustering. Interface Focus, 2011, 1, 909-921.	3.0	23
84	Inbreeding Promotes Female Promiscuity. Science, 2011, 333, 1739-1742.	12.6	84
85	Searching for Speciation Genes: Molecular Evidence for Selection Associated with Colour Morphotypes in the Caribbean Reef Fish Genus Hypoplectrus. PLoS ONE, 2011, 6, e20394.	2.5	13
86	Predominance of single paternity in the black spiny-tailed iguana: conservation genetic concerns for female-biased hunting. Conservation Genetics, 2010, 11, 1645-1652.	1.5	4
87	Distinguishing between hot-spots and melting-pots of genetic diversity using haplotype connectivity. Algorithms for Molecular Biology, 2010, 5, 19.	1.2	2
88	Host-associated genetic differentiation in a seed parasitic weevil Rhinusa antirrhini (Coleptera:) Tj ETQq0 0 0 rgB7 2286-2300.	「/Overlock 3.9	2 10 Tf 50 14 35
89	Molecular phylogeny and Holarctic diversification of the subtribe Calathina (Coleoptera: Carabidae:) Tj ETQq1 1 0	.784314 r 2.7	gBT /Overlo
90	Inbreeding depresses sperm competitiveness, but not fertilization or mating success in male <i>Tribolium castaneum</i> . Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3483-3491.	2.6	62

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91	Combining contemporary and ancient DNA in population genetic and phylogeographical studies. Molecular Ecology Resources, 2010, 10, 760-772.	4.8	54
92	Evolution underground: shedding light on the diversification of subterranean insects. Journal of Biology, 2010, 9, 17.	2.7	29
93	Elevated substitution rate estimates from ancient DNA: model violation and bias of Bayesian methods. Molecular Ecology, 2009, 18, 4390-4397.	3.9	75
94	Isolation and characterization of polymorphic microsatellite markers in the black spiny tailed iguana (<i>Ctenosaura pectinata</i>) and their crossâ€utility in other <i>Ctenosaura</i> . Molecular Ecology Resources, 2009, 9, 117-119.	4.8	4
95	Genetic characterization, distribution and prevalence of avian pox and avian malaria in the Berthelot's pipit (Anthus berthelotii) in Macaronesia. Parasitology Research, 2008, 103, 1435-1443.	1.6	42
96	Phylogenetic relationships, biogeography and speciation in the avian genus Saxicola. Molecular Phylogenetics and Evolution, 2008, 48, 1145-1154.	2.7	46
97	Diversification in the northern neotropics: mitochondrial and nuclear DNA phylogeography of the iguana <i>Ctenosaura pectinata i > and related species. Molecular Ecology, 2008, 17, 3259-3275.</i>	3.9	71
98	Phylogenetic analysis of community assembly and structure over space and time. Trends in Ecology and Evolution, 2008, 23, 619-630.	8.7	559
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109	Characterization of polymorphic microsatellites in the castration parasite plant-ant Allomerus octoarticulatus cf. demerarae (Formicidae: Myrmicinae). Molecular Ecology Notes, 2006, 6, 182-184.	1.7	3
110	Characterization of microsatellite loci in Brachyderes rugatus, the Canary Islands pine weevil (Coleoptera: Curculionidae). Molecular Ecology Notes, 2006, 6, 820-822.	1.7	4
111	Chloroplast microsatellites reveal colonization and metapopulation dynamics in the Canary Island pine. Molecular Ecology, 2006, 15, 2691-2698.	3.9	55
112	Apparent â€~sympatric' speciation in ecologically similar herbivorous beetles facilitated by multiple colonizations of an island. Molecular Ecology, 2006, 15, 2935-2947.	3.9	50
113	Testing phylogeographic predictions on an active volcanic island: Brachyderes rugatus (Coleoptera:) Tj ETQq $1\ 1\ 0$.784314	rg&T /Overlo
114	Species diversity can drive speciation. Nature, 2005, 434, 1015-1017.	27.8	271
115	Is speciation driven by species diversity? (Reply). Nature, 2005, 438, E2-E2.	27.8	12
116	DIVERSIFICATION OF THE FOREST BEETLE GENUS TARPHIUS ON THE CANARY ISLAND, AND THE EVOLUTIONARY ORIGINS OF ISLAND ENDEMICS. Evolution; International Journal of Organic Evolution, 2005, 59, 586-598.	2.3	64
117	Phylogeography. Current Biology, 2005, 15, R367-R371.	3.9	73
118	DIVERSIFICATION OF THE FOREST BEETLE GENUS TARPHIUS ON THE CANARY ISLANDS, AND THE EVOLUTIONARY ORIGINS OF ISLAND ENDEMICS. Evolution; International Journal of Organic Evolution, 2005, 59, 586.	2.3	67
119	Origin and Maintenance of a Broad-Spectrum Disease Resistance Locus in Arabidopsis. Molecular Biology and Evolution, 2004, 21, 1661-1672.	8.9	7 3
120	Molecular Phylogeny and Evolution of the Plant-Specific Seven-Transmembrane MLO Family. Journal of Molecular Evolution, 2003, 56, 77-88.	1.8	220
121	Revealing the demographic histories of species using DNA sequences. Trends in Ecology and Evolution, 2001, 16, 707-716.	8.7	182
122	The Diversification of the Genus Nesotes (Coleoptera: Tenebrionidae) in the Canary Islands: Evidence from mtDNA. Molecular Phylogenetics and Evolution, 2001, 21, 321-326.	2.7	35
123	COLONIZATION AND DIVERSIFICATION OF THE SPECIES BRACHYDERES RUGATUS (COLEOPTERA) ON THE CANARY ISLANDS: EVIDENCE FROM MITOCHONDRIAL DNA COII GENE SEQUENCES. Evolution; International Journal of Organic Evolution, 2000, 54, 911-923.	2.3	70
124	INTERPRETING COLONIZATION OF THE CALATHUS (COLEOPTERA: CARABIDAE) ON THE CANARY ISLANDS AND MADEIRA THROUGH THE APPLICATION OF THE PARAMETRIC BOOTSTRAP. Evolution; International Journal of Organic Evolution, 2000, 54, 2081-2090.	2.3	63
125	COLONIZATION AND DIVERSIFICATION OF THE SPECIES BRACHYDERES RUGATUS (COLEOPTERA) ON THE CANARY ISLANDS: EVIDENCE FROM MITOCHONDRIAL DNA COII GENE SEQUENCES. Evolution; International Journal of Organic Evolution, 2000, 54, 911.	2.3	3
126	INTERPRETING COLONIZATION OF THE CALATHUS (COLEOPTERA: CARABIDAE) ON THE CANARY ISLANDS AND MADEIRA THROUGH THE APPLICATION OF THE PARAMETRIC BOOTSTRAP. Evolution; International Journal of Organic Evolution, 2000, 54, 2081.	2.3	4

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127	Colonization and diversification: towards a phylogeographic synthesis for the Canary Islands. Trends in Ecology and Evolution, 2000, 15, 104-109.	8.7	363
128	Tracking colonization and diversification of insect lineages on islands: mitochondrial DNA phylogeography of Tarphius canariensis (Coleoptera: Colydiidae) on the Canary Islands. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 2199-2205.	2.6	48
129	MtDNA Phylogeography and Recent Intra-island Diversification among Canary Island Calathus Beetles. Molecular Phylogenetics and Evolution, 1999, 13, 149-158.	2.7	84
130	Biogeographic area relationships in southern New Zealand: a cladistic analysis of Lepidoptera distributions. Journal of Biogeography, 1997, 24, 89-99.	3.0	8
131	Phylogenetic Relationships of the Prodontria (Coleoptera; Scarabaeidae; Subfamily Melolonthinae), Derived from Sequence Variation in the Mitochondrial Cytochrome Oxidase II Gene. Molecular Phylogenetics and Evolution, 1995, 4, 433-447.	2.7	59
132	Conservation status of chafer beetlesProdontria bicolorataandP. modesta: distribution and ecological observations New Zealand Entomologist, 1994, 17, 3-6.	0.3	5
133	Speciation on islands: what are we learning?. Biological Journal of the Linnean Society, 0, 95, 47-52.	1.6	27