Martin F Breed

List of Publications by Year
in descending order

94 papers	4,597 citations	126708 33 h-index	118652 62 g-index
105 all docs	105 docs citations	105 times ranked	5417 citing authors

#	Article	IF	Citations
1	Assessing the benefits and risks of translocations in changing environments: a genetic perspective. Evolutionary Applications, 2011, 4, 709-725.	1.5	661
2	Which provenance and where? Seed sourcing strategies for revegetation in a changing environment. Conservation Genetics, 2013, 14, 1-10.	0.8	290
3	Genetic diversity targets and indicators in the CBD post-2020 Global Biodiversity Framework must be improved. Biological Conservation, 2020, 248, 108654.	1.9	285
4	Introducing BASE: the Biomes of Australian Soil Environments soil microbial diversity database. GigaScience, 2016, 5, 21.	3.3	204
5	The potential of genomics for restoring ecosystems and biodiversity. Nature Reviews Genetics, 2019, 20, 615-628.	7.7	142
6	Urban habitat restoration provides a human health benefit through microbiome rewilding: the Microbiome Rewilding Hypothesis. Restoration Ecology, 2017, 25, 866-872.	1.4	129
7	Constraints to and conservation implications for climate change adaptation in plants. Conservation Genetics, 2016, 17, 305-320.	0.8	122
8	Transfer of environmental microbes to the skin and respiratory tract of humans after urban green space exposure. Environment International, 2020, 145, 106084.	4.8	103
9	Mating patterns and pollinator mobility are critical traits in forest fragmentation genetics. Heredity, 2015, 115, 108-114.	1.2	101
10	Naturally-diverse airborne environmental microbial exposures modulate the gut microbiome and may provide anxiolytic benefits in mice. Science of the Total Environment, 2020, 701, 134684.	3.9	98
11	Green Prescriptions and Their Co-Benefits: Integrative Strategies for Public and Environmental Health. Challenges, 2019, 10, 9.	0.9	88
12	Priority Actions to Improve Provenance Decision-Making. BioScience, 2018, 68, 510-516.	2.2	87
13	High-throughput eDNA monitoring of fungi to track functional recovery in ecological restoration. Biological Conservation, 2018, 217, 113-120.	1.9	81
14	The resilience of forest fragmentation geneticsâ€"no longer a paradoxâ€"we were just looking in the wrong place. Heredity, 2015, 115, 97-99.	1.2	78
15	Drivers of seedling establishment success in dryland restoration efforts. Nature Ecology and Evolution, 2021, 5, 1283-1290.	3.4	75
16	Higher levels of greenness and biodiversity associate with greater subjective wellbeing in adults living in Melbourne, Australia. Health and Place, 2019, 57, 321-329.	1.5	73
17	Global genetic diversity status and trends: towards a suite of Essential Biodiversity Variables (<scp>EBVs</scp>) for genetic composition. Biological Reviews, 2022, 97, 1511-1538.	4.7	73
18	Revegetation rewilds the soil bacterial microbiome of an old field. Molecular Ecology, 2017, 26, 2895-2904.	2.0	68

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19	Relating Urban Biodiversity to Human Health With the â€˜Holobiontâ€™ Concept. Frontiers in Microbiology, 2019, 10, 550.	1.5	64
20	Specificity in Arabidopsis thaliana recruitment of root fungal communities from soil and rhizosphere. Fungal Biology, 2018, 122, 231-240.	1.1	58
21	Pollen diversity matters: revealing the neglected effect of pollen diversity on fitness in fragmented landscapes. Molecular Ecology, 2012, 21, 5955-5968.	2.0	57
22	Genetic diversity and structure of the Australian flora. Diversity and Distributions, 2017, 23, 41-52.	1.9	56
23	Walking Ecosystems in Microbiome-Inspired Green Infrastructure: An Ecological Perspective on Enhancing Personal and Planetary Health. Challenges, 2018, 9, 40.	0.9	56
24	Shifts in reproductive assurance strategies and inbreeding costs associated with habitat fragmentation in Central American mahogany. Ecology Letters, 2012, 15, 444-452.	3.0	55
25	Advancing DNA Barcoding and Metabarcoding Applications for Plants Requires Systematic Analysis of Herbarium Collectionsâ€"An Australian Perspective. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	55
26	Opportunities and challenges of macrogenetic studies. Nature Reviews Genetics, 2021, 22, 791-807.	7.7	55
27	Evidence of Endemic Hendra Virus Infection in Flying-Foxes (Pteropus conspicillatus)â€"Implications for Disease Risk Management. PLoS ONE, 2011, 6, e28816.	1.1	53
28	Can bacterial indicators of a grassy woodland restoration inform ecosystem assessment and microbiota-mediated human health?. Environment International, 2019, 129, 105-117.	4.8	50
29	Trapped in desert springs: phylogeography of Australian desert spring snails. Journal of Biogeography, 2012, 39, 1573-1582.	1.4	47
30	Networked and embedded scientific experiments will improve restoration outcomes. Frontiers in Ecology and the Environment, 2018, 16, 288-294.	1.9	43
31	Revegetation of urban green space rewilds soil microbiotas with implications for human health and urban design. Restoration Ecology, 2020, 28, S322.	1.4	43
32	Mating system and early viability resistance to habitat fragmentation in a bird-pollinated eucalypt. Heredity, 2015, 115, 100-107.	1.2	41
33	Exposure to greenspaces could reduce the high global burden of pain. Environmental Research, 2020, 187, 109641.	3.7	39
34	Restoration, soil organisms, and soil processes: emerging approaches. Restoration Ecology, 2020, 28, S307.	1.4	38
35	Multispecies sustainability. Global Sustainability, 2020, 3, .	1.6	36
36	Vertical Stratification in Urban Green Space Aerobiomes. Environmental Health Perspectives, 2020, 128, 117008.	2.8	35

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37	The potential of outdoor environments to supply beneficial butyrate-producing bacteria to humans. Science of the Total Environment, 2021, 777, 146063.	3.9	35
38	Does aggression and explorative behaviour decrease with lost warning coloration?. Biological Journal of the Linnean Society, 2013, 108, 116-126.	0.7	33
39	Microbiome-Inspired Green Infrastructure: A Toolkit for Multidisciplinary Landscape Design. Trends in Biotechnology, 2020, 38, 1305-1308.	4.9	33
40	Clarifying climate change adaptation responses for scattered trees in modified landscapes. Journal of Applied Ecology, 2011, 48, 637-641.	1.9	32
41	Effective population size remains a suitable, pragmatic indicator of genetic diversity for all species, including forest trees. Biological Conservation, 2021, 253, 108906.	1.9	32
42	Exposure to airborne bacteria depends upon vertical stratification and vegetation complexity. Scientific Reports, 2021, 11, 9516.	1.6	31
43	Local maladaptation in a foundation tree species: Implications for restoration. Biological Conservation, 2016, 203, 226-232.	1.9	29
44	Bioclimatic transect networks: Powerful observatories of ecological change. Ecology and Evolution, 2017, 7, 4607-4619.	0.8	29
45	How well do revegetation plantings capture genetic diversity?. Biology Letters, 2019, 15, 20190460.	1.0	28
46	Increased plant species richness associates with greater soil bacterial diversity in urban green spaces. Environmental Research, 2021, 196, 110425.	3.7	28
47	Macrogenetic studies must not ignore limitations of genetic markers and scale. Ecology Letters, 2021, 24, 1282-1284.	3.0	27
48	Extensive polyploid clonality was a successful strategy for seagrass to expand into a newly submerged environment. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	1.2	27
49	Finding needles in a genomic haystack: targeted capture identifies clear signatures of selection in a nonmodel plant species. Molecular Ecology, 2016, 25, 4216-4233.	2.0	25
50	Ambient soil cation exchange capacity inversely associates with infectious and parasitic disease risk in regional Australia. Science of the Total Environment, 2018, 626, 117-125.	3.9	25
51	Higher Levels of Multiple Paternities Increase Seedling Survival in the Long-Lived Tree Eucalyptus gracilis. PLoS ONE, 2014, 9, e90478.	1.1	25
52	Leaf trait associations with environmental variation in the wideâ€ranging shrub <i>Dodonaea viscosa</i> subsp. <i>angustissima</i> (Sapindaceae). Austral Ecology, 2017, 42, 553-561.	0.7	24
53	Pollen flow in fragmented landscapes maintains genetic diversity following stand-replacing disturbance in a neotropical pioneer tree, Vochysia ferruginea Mart. Heredity, 2015, 115, 125-129.	1.2	23
54	Targeted capture to assess neutral genomic variation in the narrow-leaf hopbush across a continental biodiversity refugium. Scientific Reports, 2017, 7, 41367.	1.6	23

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55	Cities, biodiversity and health: we need healthy urban microbiome initiatives. Cities and Health, 2018, 2, 143-150.	1.6	23
56	Existing and emerging uses of drones in restoration ecology. Methods in Ecology and Evolution, 2022, 13, 1899-1911.	2.2	23
57	The Lovebug Effect: Is the human biophilic drive influenced by interactions between the host, the environment, and the microbiome?. Science of the Total Environment, 2020, 720, 137626.	3.9	22
58	Combining population genetics, species distribution modelling and field assessments to understand a species vulnerability to climate change. Austral Ecology, 2014, 39, 17-28.	0.7	22
59	Standardized genetic diversityâ€life history correlates for improved genetic resource management of Neotropical trees. Diversity and Distributions, 2018, 24, 730-741.	1.9	21
60	Characterising the soil fungal microbiome in metropolitan green spaces across a vegetation biodiversity gradient. Fungal Ecology, 2020, 47, 100939.	0.7	20
61	Ecosystem Restoration: A Public Health Intervention. EcoHealth, 2021, 18, 269-271.	0.9	18
62	Authorsâ€™ Reply to Letter to the Editor: Continued improvement to genetic diversity indicator for CBD. Conservation Genetics, 2021, 22, 533-536.	0.8	18
63	Spatially designed revegetationâ€"why the spatial arrangement of plants should be as important to revegetation as they are to natural systems. Restoration Ecology, 2018, 26, 446-455.	1.4	17
64	Genetic Bottlenecks in Time and Space: Reconstructing Invasions from Contemporary and Historical Collections. PLoS ONE, 2014, 9, e106874.	1.1	16
65	Building a Plant DNA Barcode Reference Library for a Diverse Tropical Flora: An Example from Queensland, Australia. Diversity, 2016, 8, 5.	0.7	15
66	Restoration: 'Garden of Eden' unrealistic. Nature, 2016, 533, 469-469.	13.7	14
67	Asymmetrical habitat coupling of an aquatic predatorâ€"The importance of individual specialization. Ecology and Evolution, 2019, 9, 3405-3415.	0.8	14
68	Twenty Important Research Questions in Microbial Exposure and Social Equity. MSystems, 2022, 7, e0124021.	1.7	14
69	Next generation restoration metrics: Using soil eDNA bacterial community data to measure trajectories towards rehabilitation targets. Journal of Environmental Management, 2022, 310, 114748.	3.8	14
70	Is the genomics â€˜cartâ€™ before the restoration ecology â€˜horseâ€™? Insights from qualitative interviews and trends from the literature. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, .	1.8	14
71	Ecotypic differentiation and phenotypic plasticity combine to enhance the invasiveness of the most widespread daisy in Chile, Leontodon saxatilis. Scientific Reports, 2017, 7, 1546.	1.6	13
72	Soil bacterial community differences along a coastal restoration chronosequence. Plant Ecology, 2020, 221, 795-811.	0.7	12

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73	Increased Genetic Diversity via Gene Flow Provides Hope for Acacia whibleyana, an Endangered Wattle Facing Extinction. Diversity, 2020, 12, 299.	0.7	12
74	Mainstreaming Microbes across Biomes. BioScience, 2020, 70, 589-596.	2.2	11
75	Invasive Rosa rugosa populations outperform native populations, but some populations have greater invasive potential than others. Scientific Reports, 2018, 8, 5735.	1.6	10
76	Global change community ecology beyond speciesâ€sorting: a quantitative framework based on mediterraneanâ€biome examples. Global Ecology and Biogeography, 2014, 23, 1062-1072.	2.7	8
77	Variation in reproductive effort, genetic diversity and mating systems across Posidonia australis seagrass meadows in Western Australia. AoB PLANTS, 2020, 12, plaa038.	1.2	8
78	Does revegetation cause soil microbiota recovery? Evidence from revisiting a revegetation chronosequence 6â€‰years after initial sampling. Restoration Ecology, 2022, 30, .	1.4	8
79	Clumped planting arrangements improve seed production in a revegetated eucalypt woodland. Restoration Ecology, 2019, 27, 638-646.	1.4	6
80	A soil archaeal community responds to a decade of ecological restoration. Restoration Ecology, 2020, 28, 63-72.	1.4	6
81	A guide to minimize contamination issues in microbiome restoration studies. Restoration Ecology, 2021, 29, e13358.	1.4	6
82	Height differences in two eucalypt provenances with contrasting levels of aridity. Restoration Ecology, 2016, 24, 471-478.	1.4	5
83	Changes in abundance and reproductive activity of small arid-zone murid rodents on an active cattle station in central Australia. Wildlife Research, 2017, 44, 22.	0.7	5
84	Disentangling the evolutionary history of three related shrub species using genome-wide molecular markers. Conservation Genetics, 2019, 20, 1101-1112.	0.8	5
85	Gut microbiota composition does not associate with <i>toxoplasma</i> infection in rats. Molecular Ecology, 2022, 31, 3963-3970.	2.0	5
86	Global meta-analysis shows progress towards recovery of soil microbiota following revegetation. Biological Conservation, 2022, 272, 109592.	1.9	5
87	Four Islands EcoHealth Network: an Australasian initiative building synergies between the restoration of ecosystems and human health. Restoration Ecology, 2021, 29, e13382.	1.4	4
88	Functional acclimation across microgeographic scales in Dodonaea viscosa. AoB PLANTS, 2018, 10, ply029.	1.2	3
89	A practical guide for restoration ecologists to manage microbial contamination risks before laboratory processes during microbiota restoration studies. Restoration Ecology, 2023, 31, .	1.4	3
90	Soil <scp>DNA</scp> chronosequence analysis shows bacterial community reâ€assembly following postâ€mining forest rehabilitation. Restoration Ecology, 2023, 31, .	1.4	3

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91	Genomic, Habitat, and Leaf Shape Analyses Reveal a Possible Cryptic Species and Vulnerability to Climate Change in a Threatened Daisy. Life, 2021, 11, 553.	1.1	2
92	Bolivar Wastewater Treatment Plant provides an important habitat for South Australian ducks and waders. , 0, 37, 190-199.		2
93	Rare genera differentiate urban green space soil bacterial communities in three cities across the world. Access Microbiology, 2022, 4, 000320.	0.2	2
94	Plants, position and pollination: Planting arrangement and pollination limitation in a revegetated eucalypt woodland. Ecological Management and Restoration, 2019, 20, 222-230.	0.7	1