

John R Healey

List of Publications by Citations

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101
papers

3,954
citations

35
h-index

60
g-index

105
ext. papers

4,585
ext. citations

5
avg, IF

5.43
L-index

#	Paper	IF	Citations
101	Dissolved organic nitrogen uptake by plants—important N uptake pathway?. <i>Soil Biology and Biochemistry</i> , 2005 , 37, 413-423	7.5	460
100	Diversity enhances carbon storage in tropical forests. <i>Global Ecology and Biogeography</i> , 2015 , 24, 1314-1828	245	
99	Feed the crop not the soil: rethinking phosphorus management in the food chain. <i>Environmental Science & Technology</i> , 2014 , 48, 6523-30	10.3	172
98	Does community forest management provide global environmental benefits and improve local welfare?. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 29-36	5.5	165
97	Struvite: a slow-release fertiliser for sustainable phosphorus management?. <i>Plant and Soil</i> , 2016 , 401, 109-123	4.2	149
96	Damage and Responsiveness of Jamaican Montane Tree Species after Disturbance by a Hurricane. <i>Ecology</i> , 1995 , 76, 2562-2580	4.6	143
95	Nitrogen and phosphorus fertilization of Jamaican montane forest trees*. <i>Journal of Tropical Ecology</i> , 1990 , 6, 231-238	1.3	113
94	Remediation of metal polluted mine soil with compost: co-composting versus incorporation. <i>Environmental Pollution</i> , 2009 , 157, 690-7	9.3	97
93	Whole tree harvesting can reduce second rotation forest productivity. <i>Forest Ecology and Management</i> , 2009 , 257, 1104-1111	3.9	96
92	Human well-being impacts of terrestrial protected areas. <i>Environmental Evidence</i> , 2013 , 2, 19	3.3	95
91	Hurricane disturbance accelerates invasion by the alien tree <i>Pittosporum undulatum</i> in Jamaican montane rain forests. <i>Journal of Vegetation Science</i> , 2005 , 16, 675-684	3.1	75
90	Kinetics of soil microbial uptake of free amino acids. <i>Biology and Fertility of Soils</i> , 2001 , 33, 67-74	6.1	75
89	Conservation of the Ethiopian church forests: Threats, opportunities and implications for their management. <i>Science of the Total Environment</i> , 2016 , 551-552, 404-14	10.2	71
88	The effects of secondary forest clearance and subsequent land-use on erosion losses and soil properties in the Blue Mountains of Jamaica. <i>Agriculture, Ecosystems and Environment</i> , 2002 , 92, 1-19	5.7	65
87	Heavy metal fractionation during the co-composting of biosolids, deinking paper fibre and green waste. <i>Bioresource Technology</i> , 2009 , 100, 4220-6	11	64
86	Nutrient cycling in secondary forests in the Blue Mountains of Jamaica. <i>Forest Ecology and Management</i> , 2000 , 139, 257-278	3.9	55
85	Infestation of trees by lianas in a tropical forest in Amazonian Peru. <i>Journal of Vegetation Science</i> , 2008 , 19, 747-756	3.1	54

84	Hurricanes need not cause high mortality: the effects of Hurricane Gilbert on forests in Jamaica. <i>Journal of Tropical Ecology</i> , 1992 , 8, 217-223	1.3	53
83	Understanding and assisting natural regeneration processes in degraded seasonal evergreen forests in northern Thailand. <i>Forest Ecology and Management</i> , 1997 , 99, 203-214	3.9	51
82	The cost of carbon retention by reduced impact logging. <i>Forest Ecology and Management</i> , 2000 , 139, 237-255	3.9	50
81	Long-term hurricane damage effects on tropical forest tree growth and mortality. <i>Ecology</i> , 2014 , 95, 2974-2983	4.6	49
80	Impacts of logging roads on tropical forests. <i>Biotropica</i> , 2017 , 49, 620-635	2.3	48
79	Greenhouse gas emissions in coffee grown with differing input levels under conventional and organic management. <i>Agriculture, Ecosystems and Environment</i> , 2012 , 151, 6-15	5.7	48
78	Cattle feed or bioenergy? Consequential life cycle assessment of biogas feedstock options on dairy farms. <i>GCB Bioenergy</i> , 2015 , 7, 1034-1049	5.6	46
77	FT-IR as an alternative method for measuring chemical properties during composting. <i>Bioresource Technology</i> , 2010 , 101, 5431-6	11	46
76	Auxin secretion by <i>Bacillus amyloliquefaciens</i> FZB42 both stimulates root exudation and limits phosphorus uptake in <i>Triticum aestivum</i> . <i>BMC Plant Biology</i> , 2014 , 14, 51	5.3	45
75	Impacts of land-use change on sacred forests at the landscape scale. <i>Global Ecology and Conservation</i> , 2015 , 3, 349-358	2.8	45
74	Resilience of tropical dry forests – a meta-analysis of changes in species diversity and composition during secondary succession. <i>Oikos</i> , 2016 , 125, 1386-1397	4	43
73	The repeatability of vegetation classification and mapping. <i>Journal of Environmental Management</i> , 2011 , 92, 1174-84	7.9	41
72	Operationalizing the Definition of Forest Degradation for REDD+, with Application to Mexico. <i>Forests</i> , 2014 , 5, 1653-1681	2.8	40
71	Research needs for restoring seasonal tropical forests in Thailand: accelerated natural regeneration. <i>New Forests</i> , 2004 , 27, 285-302	2.6	40
70	Elevated CO2 enrichment induces a differential biomass response in a mixed species temperate forest plantation. <i>New Phytologist</i> , 2013 , 198, 156-168	9.8	38
69	Finding alternatives to swidden agriculture: does agroforestry improve livelihood options and reduce pressure on existing forest?. <i>Agroforestry Systems</i> , 2017 , 91, 185-199	2	36
68	Tree life histories in a montane subtropical forest: species differ independently by shade-tolerance, turnover rate and substrate preference. <i>Journal of Ecology</i> , 2007 , 95, 1234-1249	6	36
67	Sustainable nutrient management at field, farm and regional level: Soil testing, nutrient budgets and the trade-off between lime application and greenhouse gas emissions. <i>Agriculture, Ecosystems and Environment</i> , 2014 , 188, 48-56	5.7	35

66	Endemic trees in a tropical biodiversity hotspot imperilled by an invasive tree. <i>Biological Conservation</i> , 2018 , 217, 47-53	6.2	33
65	Initial tree establishment on blocky quarry waste ameliorated with hydrogel or slate processing fines. <i>Journal of Environmental Quality</i> , 2005 , 34, 994-1003	3.4	33
64	Organic Amendments for Remediation: Putting Waste to Good Use. <i>Elements</i> , 2010 , 6, 369-374	3.8	32
63	The reliability of evidence review methodology in environmental science and conservation. <i>Environmental Science and Policy</i> , 2016 , 64, 75-82	6.2	31
62	Identification and quantification of drivers of forest degradation in tropical dry forests: A case study in Western Mexico. <i>Land Use Policy</i> , 2015 , 49, 296-309	5.6	30
61	Towards productive landscapes: Trade-offs in tree-cover and income across a matrix of smallholder agricultural land-use systems. <i>Land Use Policy</i> , 2016 , 58, 152-164	5.6	30
60	Contrasting patterns of leaf trait variation among and within species during tropical dry forest succession in Costa Rica. <i>Scientific Reports</i> , 2018 , 8, 285	4.9	29
59	Legacy of logging roads in the Congo Basin: How persistent are the scars in forest cover?. <i>Ecosphere</i> , 2015 , 6, 1-17	3.1	29
58	Phosphate depletion modulates auxin transport in <i>Triticum aestivum</i> leading to altered root branching. <i>Journal of Experimental Botany</i> , 2014 , 65, 5023-32	7	28
57	Evaluating effects of land management on greenhouse gas fluxes and carbon balances in boreo-temperate lowland peatland systems. <i>Environmental Evidence</i> , 2014 , 3, 5	3.3	28
56	Establishment of <i>Clethra occidentalis</i> on stems of the tree-fern <i>Cyathea pubescens</i> in a Jamaican montane rain forest. <i>Journal of Tropical Ecology</i> , 1989 , 5, 441-445	1.3	27
55	Reducing Emissions from Deforestation and Forest Degradation (REDD+): Transaction Costs of Six Peruvian Projects. <i>Ecology and Society</i> , 2013 , 18,	4.1	26
54	How can ecologists help realise the potential of payments for carbon in tropical forest countries?. <i>Journal of Applied Ecology</i> , 2010 , 47, 1159-1165	5.8	26
53	Predicting Species Response to Disturbance from Size Class Distributions of Adults and Saplings in a Jamaican Tropical Dry Forest. <i>Plant Ecology</i> , 2005 , 181, 69-84	1.7	26
52	How persistent are the impacts of logging roads on Central African forest vegetation?. <i>Journal of Applied Ecology</i> , 2016 , 53, 1127-1137	5.8	26
51	Evaluation of trees indigenous to the montane forest of the Blue Mountains, Jamaica for reforestation and agroforestry. <i>Forest Ecology and Management</i> , 2003 , 175, 379-401	3.9	25
50	Sink or source? The potential of coffee agroforestry systems to sequester atmospheric CO ₂ into soil organic carbon. <i>Agriculture, Ecosystems and Environment</i> , 2013 , 175, 60-68	5.7	23
49	Intensification of coffee systems can increase the effectiveness of REDD mechanisms. <i>Agricultural Systems</i> , 2013 , 119, 1-9	6.1	21

48	The effects of invasive pests and pathogens on strategies for forest diversification. <i>Ecological Modelling</i> , 2017 , 350, 87-99	3	20
47	The Effects of Established Trees on Woody Regeneration during Secondary Succession in Tropical Dry Forests. <i>Biotropica</i> , 2016 , 48, 290-300	2.3	20
46	Public Preferences and Willingness to Pay for Forest Disease Control in the UK. <i>Journal of Agricultural Economics</i> , 2017 , 68, 781-800	3.7	19
45	Quantifying the conservation value of Sacred Natural Sites. <i>Biological Conservation</i> , 2018 , 222, 95-103	6.2	19
44	Effects of logging on roadless space in intact forest landscapes of the Congo Basin. <i>Conservation Biology</i> , 2017 , 31, 469-480	6	18
43	Sparing forests in Central Africa: re-use old logging roads to avoid creating new ones. <i>Frontiers in Ecology and the Environment</i> , 2016 , 14, 9-10	5.5	17
42	Resource-use-related traits correlate with population turnover rates, but not stem diameter growth rates, in 29 subtropical montane tree species. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2009 , 11, 203-218	3	17
41	On-farm evaluation of the establishment of clonal rubber in multistrata agroforests in Jambi, Indonesia. <i>Agroforestry Systems</i> , 2001 , 53, 227-237	2	17
40	Secondary forests offset less than 10% of deforestation-mediated carbon emissions in the Brazilian Amazon. <i>Global Change Biology</i> , 2020 , 26, 7006-7020	11.4	17
39	Isolated trees as nuclei of regeneration in tropical pastures: testing the importance of niche-based and landscape factors. <i>Journal of Vegetation Science</i> , 2016 , 27, 679-691	3.1	17
38	Improving reintroduction success in large carnivores through individual-based modelling: How to reintroduce Eurasian lynx (<i>Lynx lynx</i>) to Scotland. <i>Biological Conservation</i> , 2019 , 234, 140-153	6.2	16
37	Commercial afforestation can deliver effective climate change mitigation under multiple decarbonisation pathways. <i>Nature Communications</i> , 2021 , 12, 3831	17.4	16
36	Facilitating smallholder tree farming in fragmented tropical landscapes: Challenges and potentials for sustainable land management. <i>Journal of Environmental Management</i> , 2017 , 198, 110-121	7.9	15
35	Bracken fern (<i>Pteridium aquilinum</i> L. kuhn) promotes an open nitrogen cycle in heathland soils. <i>Plant and Soil</i> , 2013 , 367, 521-534	4.2	15
34	Comparative effectiveness of silvicultural interventions for increasing timber production and sustaining conservation values in natural tropical production forests. A systematic review protocol. <i>Environmental Evidence</i> , 2015 , 4,	3.3	15
33	Contaminated land clean-up using composted wastes and impacts of VOCs on land. <i>Waste Management</i> , 2009 , 29, 1772-8	8.6	15
32	Fertilizer application during primary succession changes the structure of plant and herbivore communities. <i>Biological Conservation</i> , 2006 , 131, 510-522	6.2	15
31	Hurricane disturbance accelerates invasion by the alien tree <i>Pittosporum undulatum</i> in Jamaican montane rain forests. <i>Journal of Vegetation Science</i> , 2005 , 16, 675	3.1	13

30	Tree Culture of Smallholder Farmers Practicing Agroforestry in Gunung Salak Valley, West Java, Indonesia. <i>Small-Scale Forestry</i> , 2016 , 15, 433-442	1.2	13
29	Dissolved organic carbon and nitrogen dynamics in temperate coniferous forest plantations. <i>European Journal of Soil Science</i> , 2008 , 59, 1038-1048	3.4	12
28	The Effects of Disease on Optimal Forest Rotation: A Generalisable Analytical Framework. <i>Environmental and Resource Economics</i> , 2018 , 70, 565-588	4.4	11
27	Alleviation of Both Water and Nutrient Limitations is Necessary to Accelerate Ecological Restoration of Waste Rock Tips. <i>Restoration Ecology</i> , 2011 , 19, 194-204	3.1	11
26	Payment for multiple forest benefits alters the effect of tree disease on optimal forest rotation length. <i>Ecological Economics</i> , 2017 , 134, 82-94	5.6	10
25	Can a mesotrophic grassland community be restored on a post-industrial sandy site with compost made from waste materials?. <i>Biological Conservation</i> , 2011 , 144, 500-510	6.2	10
24	The Effect of Forest Management Options on Forest Resilience to Pathogens. <i>Frontiers in Forests and Global Change</i> , 2020 , 3,	3.7	9
23	What role should null-hypothesis significance tests have in statistical education and hypothesis falsification?. <i>Trends in Ecology and Evolution</i> , 2007 , 22, 445-6; author reply 446	10.9	9
22	Evaluation of forest recovery over time and space using permanent plots monitored over 30 years in a Jamaican montane rain forest. <i>PLoS ONE</i> , 2012 , 7, e48859	3.7	9
21	Tree morphology in seasonally dry montane forest in Argentina: Relationships with shade tolerance and nutrient shortage. <i>Journal of Vegetation Science</i> , 2007 , 18, 313-326	3.1	8
20	Modification of Fertility of Soil Materials for Restoration of Acid Grassland Habitat. <i>Restoration Ecology</i> , 2011 , 19, 509-519	3.1	7
19	How do hedgerows influence soil organic carbon stock in livestock-grazed pasture?. <i>Soil Use and Management</i> , 2019 , 35, 576-584	3.1	6
18	Deinking paper fibre application to agricultural land: soil quality enhancer or copper polluter?. <i>Soil Use and Management</i> , 2008 , 24, 217-220	3.1	6
17	Soil fertility under <i>Calliandra calothyrsus</i> hedgerows and other land-use treatments following forest clearance in Jamaica. <i>Agroforestry Systems</i> , 2003 , 57, 127-135	2	5
16	How does grazing management influence the functional diversity of oak woodland ecosystems? A plant trait approach. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 258, 154-161	5.7	4
15	LOGGING ROADS IN TROPICAL FORESTS: SYNTHESIS OF LITERATURE WRITTEN IN FRENCH AND ENGLISH HIGHLIGHTS ENVIRONMENTAL IMPACT REDUCTION THROUGH IMPROVED ENGINEERING. <i>Bois Et Forets Des Tropiques</i> , 2017 , 328, 13		4
14	When nature meets the divine: effect of prohibition regimes on the structure and tree species composition of sacred forests in northern Greece. <i>Web Ecology</i> , 2020 , 20, 53-86	1.7	4
13	Ecology and Distribution of Neotropical Podocarpaceae. <i>Smithsonian Contributions To Botany</i> , 2011 , 43-56		4

12	Old-growth forest loss and secondary forest recovery across Amazonian countries.. <i>Environmental Research Letters</i> ,	6.2	4
11	Linking construction timber carbon storage with land use and forestry management practices. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 323, 012142	0.3	3
10	ARE PERMANENT RUBBER AGROFORESTS AN ALTERNATIVE TO ROTATIONAL RUBBER CULTIVATION? AN AGRO-ECOLOGICAL PERSPECTIVE. <i>Forests Trees and Livelihoods</i> , 2011 , 20, 85-109	1.4	3
9	Variations and phenotypic correlation of growth attributes of <i>Calliandra calothyrsus</i> in the Blue Mountains of Jamaica. <i>Agroforestry Systems</i> , 2000 , 50, 293-314	2	3
8	Plant Recovery on the 1922 and 1959 Lava Flows on Mount Cameroon, Cameroon. <i>Systematics and Geography of Plants</i> , 2001 , 71, 1023		3
7	Reconstructing the effects of hurricanes over 155 years on the structure and diversity of trees in two tropical montane rainforests in Jamaica. <i>Agricultural and Forest Meteorology</i> , 2019 , 276-277, 107621	5.8	2
6	Maximizing the efficiency of conservation. <i>Trends in Ecology and Evolution</i> , 2007 , 22, 286-7, author reply 287-8	10.9	2
5	Hedgerow effects on CO2 emissions are regulated by soil type and season: Implications for carbon flux dynamics in livestock-grazed pasture. <i>Geoderma</i> , 2021 , 382, 114697	6.7	2
4	The role of scientists and foresters in the wise management of tropical forests. <i>Trends in Ecology and Evolution</i> , 1992 , 7, 249-50	10.9	1
3	Spatial scaling properties of coral reef benthic communities. <i>Ecography</i> , 2021 , 44, 188-198	6.5	0
2	Importance of researching the mechanisms underpinning the restoration of whole ecosystem diversity. <i>Biological Conservation</i> , 2011 , 144, 1300-1301	6.2	
1	Roots and rhizospheric soil microbial community responses to tree species mixtures. <i>Applied Soil Ecology</i> , 2022 , 176, 104509	5	