Jim A Harris

List of Publications by Year
in descending order

111 papers	10,488 citations	71102 41 h-index	32842 100 g-index
114 all docs	114 docs citations	114 times ranked	12864 citing authors

#	Article	IF	Citations
1	Soil fauna development during heathland restoration from arable land: Role of soil modification and material transplant. Ecological Engineering, 2022, 176, 106531.	3.6	2
2	Future restoration should enhance ecological complexity and emergent properties at multiple scales. Ecography, 2022, 2022, .	4.5	30
3	Characterisation and control of the biosolids storage environment: Implications for E. coli dynamics. Science of the Total Environment, 2021, 752, 141705.	8.0	5
4	A simple method for determination of fine resolution urban form patterns with distinct thermal properties using class-level landscape metrics. Landscape Ecology, 2021, 36, 1863-1876.	4.2	13
5	Converting agricultural lands into heathlands: the relevance of soil processes. , 2021, , 357-372.		3
6	A multistep approach to improving connectivity and co-use of spatial ecological networks in cities. Landscape Ecology, 2021, 36, 2077-2093.	4.2	17
7	Understanding the importance of landscape configuration on ecosystem service bundles at a high resolution in urban landscapes in the UK. Landscape Ecology, 2021, 36, 2007-2024.	4.2	29
8	UK food and nutrition security during and after the COVIDâ€•19 pandemic. Nutrition Bulletin, 2021, 46, 88-97.	1.8	12
9	Inorganic Chemical Fertilizer Application to Wheat Reduces the Abundance of Putative Plant Growth-Promoting Rhizobacteria. Frontiers in Microbiology, 2021, 12, 642587.	3.5	23
10	Bundling ecosystem services at a high resolution in the UK: trade-offs and synergies in urban landscapes. Landscape Ecology, 2021, 36, 1817-1835.	4.2	34
11	Using Bayesian Belief Networks to assess the influence of landscape connectivity on ecosystem service trade-offs and synergies in urban landscapes in the UK. Landscape Ecology, 2021, 36, 3345-3363.	4.2	11
12	Assessment of heat mitigation capacity of urban greenspaces with the use of InVEST urban cooling model, verified with day-time land surface temperature data. Landscape and Urban Planning, 2021, 214, 104163.	7.5	29
13	Evolution of Green Space under Rapid Urban Expansion in Southeast Asian Cities. Sustainability, 2021, 13, 12024.	3.2	22
14	Downscaling Landsat-8 land surface temperature maps in diverse urban landscapes using multivariate adaptive regression splines and very high resolution auxiliary data. International Journal of Digital Earth, 2020, 13, 899-914.	3.9	22
15	Characterising the biophysical, economic and social impacts of soil carbon sequestration as a greenhouse gas removal technology. Global Change Biology, 2020, 26, 1085-1108.	9.5	65
16	Initial soil community drives heathland fungal community trajectory over multiple years through altered plantâ€"soil interactions. New Phytologist, 2020, 225, 2140-2151.	7.3	15
17	Lysis Performance of Bacteriophages with Different Plaque Sizes and Comparison of Lysis Kinetics After Simultaneous and Sequential Phage Addition. Phage, 2020, 1, 149-157.	1.7	0
18	Estimating food production in an urban landscape. Scientific Reports, 2020, 10, 5141.	3.3	31

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19	A framework to evaluate land degradation and restoration responses for improved planning and decision-making. Ecosystems and People, 2020, 16, 1-18.	3.2	28
20	Resilience trinity: safeguarding ecosystem functioning and services across three different time horizons and decision contexts. Oikos, 2020, 129, 445-456.	2.7	33
21	Time to invest in global resilience. Nature, 2020, 583, 30-30.	27.8	3
22	Facilitating the elicitation of beliefs for use in Bayesian Belief modelling. Environmental Modelling and Software, 2019, 122, 104539.	4.5	16
23	Urban meadows as an alternative to short mown grassland: effects of composition and height on biodiversity. Ecological Applications, 2019, 29, e01946.	3.8	76
24	Using GIS-linked Bayesian Belief Networks as a tool for modelling urban biodiversity. Landscape and Urban Planning, 2019, 189, 382-395.	7.5	21
25	Facilitating ecosystem assembly: Plant-soil interactions as a restoration tool. Biological Conservation, 2018, 220, 272-279.	4.1	41
26	Linking ecosystem services, urban form and green space configuration using multivariate landscape metric analysis. Landscape Ecology, 2018, 33, 557-573.	4.2	96
27	Keep ecological restoration open and flexible. Nature Ecology and Evolution, 2018, 2, 580-580.	7.8	25
28	On principles and standards in ecological restoration. Restoration Ecology, 2018, 26, 399-403.	2.9	58
29	Measuring progress in status of land under forest landscape restoration using abiotic and biotic indicators. Restoration Ecology, 2018, 26, 5-12.	2.9	27
30	The absence or presence of a lytic coliphage affects the response of Escherichia coli to heat, chlorine, or UV exposure. Folia Microbiologica, 2018, 63, 599-606.	2.3	2
31	Ecosystem services in cities: Towards the international legal protection of ecosystem services in urban environments. Ecosystem Services, 2018, 29, 205-212.	5.4	54
32	Evidence for functional state transitions in intensively-managed soil ecosystems. Scientific Reports, 2018, 8, 11522.	3.3	16
33	The evolution of Society for Ecological Restoration's principles and standardsâ€"counterâ€response to Gann et al.. Restoration Ecology, 2018, 26, 431-433.	2.9	9
34	New jargon seeping slowly into biodiversity world. Nature, 2018, 562, 39-39.	27.8	0
35	Water quality and <scp>UK</scp> agriculture: challenges and opportunities. Wiley Interdisciplinary Reviews: Water, 2017, 4, e1201.	6.5	14
36	Impact of rapid urban expansion on green space structure. Ecological Indicators, 2017, 81, 274-284.	6.3	148

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37	Operationalizing the ecosystems approach: Assessing the environmental impact of major infrastructure development. Ecological Indicators, 2017, 78, 75-84.	6.3	7
38	A birdâ€™s eye view: using circuit theory to study urban landscape connectivity for birds. Landscape Ecology, 2017, 32, 1771-1787.	4.2	75
39	Ecological connectivity networks in rapidly expanding cities. Heliyon, 2017, 3, e00325.	3.2	49
40	Soil microbial community assembly precedes vegetation development after drastic techniques to mitigate effects of nitrogen deposition. Biological Conservation, 2017, 212, 476-483.	4.1	10
41	On the origin of carbon dioxide released from rewetted soils. Soil Biology and Biochemistry, 2016, 101, 1-5.	8.8	53
42	Distinct respiratory responses of soils to complex organic substrate areÂgoverned predominantly by soil architecture and its microbial community. Soil Biology and Biochemistry, 2016, 103, 493-501.	8.8	17
43	A global baseline for ecosystem recovery. Nature, 2016, 532, 37-37.	27.8	14
44	Defining and quantifying the resilience of responses to disturbance: a conceptual and modelling approach from soil science. Scientific Reports, 2016, 6, 28426.	3.3	58
45	A framework for establishing restoration goals for contaminated ecosystems. Integrated Environmental Assessment and Management, 2016, 12, 264-272.	2.9	26
46	The impact of land use/land cover scale on modelling urban ecosystem services. Landscape Ecology, 2016, 31, 1509-1522.	4.2	130
47	Nanoparticles within WWTP sludges have minimal impact on leachate quality and soil microbial community structure and function. Environmental Pollution, 2016, 211, 399-405.	7.5	61
48	A review of the impacts of degradation threats on soil properties in the <scp>UK</scp>. Soil Use and Management, 2015, 31, 1-15.	4.9	64
49	Input constraints to food production: the impact of soil degradation. Food Security, 2015, 7, 351-364.	5.3	62
50	The total costs of soil degradation in England and Wales. Ecological Economics, 2015, 119, 399-413.	5.7	135
51	A review of climate change impacts on urban soil functions with examples and policy insights from <scp>E</scp>ngland, <scp>UK</scp>. Soil Use and Management, 2015, 31, 46-61.	4.9	35
52	Managing the whole landscape: historical, hybrid, and novel ecosystems. Frontiers in Ecology and the Environment, 2014, 12, 557-564.	4.0	378
53	Big Data and Ecosystem Research Programmes. Advances in Ecological Research, 2014, 51, 41-77.	2.7	14
54	Flexible and Adaptable Restoration: An Example from South Korea. Restoration Ecology, 2014, 22, 271-278.	2.9	28

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55	Novel ecosystems: concept or inconvenient reality? A response to Murcia et al.. Trends in Ecology and Evolution, 2014, 29, 645-646.	8.7	51
56	The changing role of history in restoration ecology. Frontiers in Ecology and the Environment, 2014, 12, 499-506.	4.0	299
57	Microbial Community Composition in a Rehabilitated Bauxite Residue Disposal Area: A Case Study for Improving Microbial Community Composition. Restoration Ecology, 2014, 22, 798-805.	2.9	33
58	Resilience in ecology: Abstraction, distraction, or where the action is?. Biological Conservation, 2014, 177, 43-51.	4.1	325
59	The impact of zero-valent iron nanoparticles upon soil microbial communities is context dependent. Environmental Science and Pollution Research, 2013, 20, 1041-1049.	5.3	101
60	Engineering difference: Matrix design determines community composition in wastewater treatment systems. Ecological Engineering, 2012, 40, 183-188.	3.6	7
61	Artificial modifications of the coast in response to theDeepwater Horizonoil spill: quick solutions or long-term liabilities?. Frontiers in Ecology and the Environment, 2012, 10, 44-49.	4.0	30
62	Microbial diversity affects self-organization of the soilâ€"microbe system with consequences for function. Journal of the Royal Society Interface, 2012, 9, 1302-1310.	3.4	131
63	The thermodynamic efficiency of soil microbial communities subject to long-term stress is lower than those under conventional input regimes. Soil Biology and Biochemistry, 2012, 47, 149-157.	8.8	34
64	Delivery of Soil Ecosystem Services: From Gaia to Genes. , 2012, , 98-110.		3
65	The Role of Botanic Gardens in the Science and Practice of Ecological Restoration. Conservation Biology, 2011, 25, no-no.	4.7	48
66	Does soil biology hold the key to optimized slurry management? A manifesto for research. Soil Use and Management, 2011, 27, 464-469.	4.9	7
67	Opportunities and Challenges for Ecological Restoration within REDD+. Restoration Ecology, 2011, 19, 683-689.	2.9	105
68	Effects of soilâ€surface microbial community phenotype upon physical and hydrological properties of an arable soil: a microcosm study. European Journal of Soil Science, 2010, 61, 493-503.	3.9	2
69	The Impact of Land-Use Practices on Soil Microbes. , 2010, , 273-295.		3
70	The spectral quality of light influences the temporal development of the microbial phenotype at the arable soil surface. Soil Biology and Biochemistry, 2009, 41, 553-560.	8.8	19
71	The effect of earthworms and liming on soil microbial communities. Biology and Fertility of Soils, 2009, 45, 361-369.	4.3	27
72	An inter-laboratory comparison of multi-enzyme and multiple substrate-induced respiration assays to assess method consistency in soil monitoring. Biology and Fertility of Soils, 2009, 45, 623-633.	4.3	28

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73	Soil Microbial Communities and Restoration Ecology: Facilitators or Followers?. Science, 2009, 325, 573-574.	12.6	477
74	Selecting biological indicators for monitoring soils: A framework for balancing scientific and technical opinion to assist policy development. Ecological Indicators, 2009, 9, 1212-1221.	6.3	227
75	Novel ecosystems: implications for conservation and restoration. Trends in Ecology and Evolution, 2009, 24, 599-605.	8.7	1,485
76	Adaptation to climate change Legal challenges for protected areas. Utrecht Law Review, 2009, 5, 158.	0.5	38
77	Bioremediation of leachate from a green waste composting facility using waste-derived filter media. Bioresource Technology, 2008, 99, 7657-7664.	9.6	28
78	Size and phenotypic structure of microbial communities within soil profiles in relation to different playing areas on a UK golf course. European Journal of Soil Science, 2008, 59, 835-841.	3.9	10
79	Size and phenotypic structure of microbial communities within soil profiles in relation to play surfaces on a UK golf course. European Journal of Soil Science, 2008, 59, 1013-1013.	3.9	3
80	Earthworm community structure on five English golf courses. Applied Soil Ecology, 2008, 39, 336-341.	4.3	12
81	Simultaneous Preservation of Soil Structural Properties and Phospholipid Profiles: A Comparison ofThree Drying Techniques. Pedosphere, 2008, 18, 284-287.	4.0	9
82	The effect of microbial communities on soil hydrological processes: A microcosm study utilising simulated rainfall. Geoderma, 2007, 142, 11-17.	5.1	10
83	Microbial community phenotypic profiles change markedly with depth within the first centimetre of the arable soil surface. Soil Biology and Biochemistry, 2007, 39, 1226-1229.	8.8	17
84	Interactions between microbial community structure and the soil environment found on golf courses. Soil Biology and Biochemistry, 2007, 39, 1533-1541.	8.8	17
85	Ecological Restoration and Global Climate Change. Restoration Ecology, 2006, 14, 170-176.	2.9	692
86	Comment on Zhao et al. (2005) â€œDoes ergosterol concentration provide a reliable estimate of soil fungal biomass?â€ Soil Biology and Biochemistry, 2006, 38, 1500-1501.	8.8	8
87	Inefficiency of mustard extraction technique for assessing size and structure of earthworm communities in UK pasture. Soil Biology and Biochemistry, 2006, 38, 2990-2992.	8.8	36
88	Restoration ecology and the role of soil biodiversity. , 2005, , 319-342.		9
89	Towards an evolutionary ecology of life in soil. Trends in Ecology and Evolution, 2005, 20, 81-87.	8.7	141
90	Candidatus â€œScalindua brodaeâ€ sp. nov., Candidatus â€œScalindua wagneriâ€ sp. nov., Two New Species of Anaerobic Ammonium Oxidizing Bacteria. Systematic and Applied Microbiology, 2003, 26, 529-538.	2.8	535

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91	Measurements of the soil microbial community for estimating the success of restoration. European Journal of Soil Science, 2003, 54, 801-808.	3.9	227
92	Using ecological diversity measures with bacterial communities. FEMS Microbiology Ecology, 2003, 43, 1-11.	2.7	724
93	Zinc contamination decreases the bacterial diversity of agricultural soil. FEMS Microbiology Ecology, 2003, 43, 13-19.	2.7	136
94	Molecular characterisation of bacteria in a wetland used to remove ammoniacal-N from landfill leachate. Waste Management and Research, 2002, 20, 529-535.	3.9	8
95	Ecological Restoration: State of the Art or State of the Science?. Restoration Ecology, 2001, 9, 115-118.	2.9	96
96	Restoration Ecology: Repairing the Earth's Ecosystems in the New Millennium. Restoration Ecology, 2001, 9, 239-246.	2.9	655
97	Clinical Practice for Ecosystem Health: The Role of Ecological Restoration. EcoHealth, 2001, 7, 195-202.	0.2	14
98	Analysis of Bacterial Community Structure using 16S rDNA Analysis. Anaerobe, 2000, 6, 129-131.	2.1	7
99	Shifts in the microbial community in rhizosphere and non-rhizosphere soils during the growth of Agrostis stolonifera. Soil Biology and Biochemistry, 2000, 32, 869-878.	8.8	128
100	Development of a physiological approach to measuring the catabolic diversity of soil microbial communities. Soil Biology and Biochemistry, 1997, 29, 1309-1320.	8.8	326
101	Gala theory: Darwin reinforces regulation. Trends in Ecology and Evolution, 1996, 11, 315-316.	8.7	0
102	Rapid ultrasonication method to determine ergosterol concentration in soil. Soil Biology and Biochemistry, 1995, 27, 1215-1217.	8.8	40
103	Linear relationship between aggregate stability and microbial biomass in three restored soils. Soil Biology and Biochemistry, 1995, 27, 1499-1501.	8.8	38
104	Evidence of a feedback mechanism limiting plant response to elevated carbon dioxide. Nature, 1993, 364, 616-617.	27.8	532
105	Microbial biomass estimated by phospholipid phosphate in soils with diverse microbial communities. Soil Biology and Biochemistry, 1993, 25, 1779-1786.	8.8	44
106	Habitat Classification and Soil Restoration Assessment Using Analysis of Soil Microbiological and Physico-chemical Characteristics. Journal of Applied Ecology, 1992, 29, 711.	4.0	63
107	Soil microbial activity in opencast coal mine restorations. Soil Use and Management, 1989, 5, 155-160.	4.9	77
108	Changes in the microbial community and physico-chemical characteristics of topsoils stockpiled during opencast mining. Soil Use and Management, 1989, 5, 161-168.	4.9	74

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109	The survival of viable seeds in stored topsoil from opencast coal workings and its implications for site restoration. Biological Conservation, 1988, 43, 257-265.	4.1	25
110	The effect of zeolite on the toxicity of lead to fungi. Environmental Pollution, 1988, 49, 235-241.	7.5	6
111	Vesicular arbuscular mycorrhizal populations in stored topsoil. Transactions of the British Mycological Society, 1987, 89, 600-603.	0.6	15