Stephen H Hallett

List of Publications by Year
in descending order

55	1,237	394421	395702
papers	citations	h-index	g-index

57	57	57	1487
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Harmonisation of the soil map of Africa at the continental scale. Geoderma, 2013, 211-212, 138-153.	5.1	150
2	Improving pipe failure predictions: Factors affecting pipe failure in drinking water networks. Water Research, 2019, 164, 114926.	11.3	104
3	Soil legacy data rescue via GlobalSoilMap and other international and national initiatives. GeoResJ, 2017, 14, 1-19.	1.4	102
4	Towards evaluation design for smart city development. Journal of Urban Design, 2019, 24, 188-209.	1.4	99
5	Quantifying the impact of the COVID-19 lockdown on household water consumption patterns in England. Npj Clean Water, 2021, 4, .	8.0	73
6	A review of household water demand management and consumption measurement. Journal of Cleaner Production, 2021, 292, 125872.	9.3	50
7	Environmental information systems developments for planning sustainable land use. International Journal of Geographical Information Science, 1996, 10, 47-64.	4.8	46
8	A critical review of decision support systems for brownfield redevelopment. Science of the Total Environment, 2021, 785, 147132.	8.0	38
9	Leveraging Big Data Tools and Technologies: Addressing the Challenges of the Water Quality Sector. Sustainability, 2017, 9, 2160.	3.2	35
10	Innovations in the use of data facilitating insurance as a resilience mechanism for coastal flood risk. Science of the Total Environment, 2019, 661, 598-612.	8.0	34
11	Developments in land information systems: examples demonstrating land resource management capabilities and options. Soil Use and Management, 2017, 33, 514-529.	4.9	29
12	Multi-stakeholder analysis to improve agricultural water management policy and practice in Malta. Agricultural Water Management, 2020, 229, 105920.	5.6	29
13	Bridging mechanisms of through-thickness reinforcement in dynamic mode I&II delamination. Composites Part A: Applied Science and Manufacturing, 2017, 99, 198-207.	7.6	27
14	Using generalized additive models to investigate the environmental effects on pipe failure in clean water networks. Npj Clean Water, 2020, 3, .	8.0	26
15	The use of a land suitability model to predict where autumn-sown, determinate genotypes of the white lupin (Lupinus albus) might be grown in England and Wales. Journal of Agricultural Science, 1994, 123, 199-205.	1.3	24
16	Research Policy and Review 33. Why is More Notice not Taken of Economists' Prescriptions for the Control of Pollution?. Environment and Planning A, 1990, 22, 1421-1439.	3.6	23
17	Monitoring the Response of Roads and Railways to Seasonal Soil Movement with Persistent Scatterers Interferometry over Six UK Sites. Remote Sensing, 2017, 9, 922.	4.0	22
18	Coastal risk adaptation: the potential role of accessible geospatial Big Data. Marine Policy, 2017, 83, 100-110.	3.2	22

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19	Compilation of an accumulated temperature database for use in an environmental information system. Agricultural and Forest Meteorology, 1993, 63, 21-34.	4.8	21
20	A review of potential methods for monitoring rangeland degradation in Libya. Pastoralism, 2018, 8, .	1.0	20
21	The potential for using smartphones as portable soil nutrient analyzers on suburban farms in central East China. Scientific Reports, 2019, 9, 16424.	3.3	20
22	The role of data within coastal resilience assessments: an East Anglia, UK, case study. Ocean and Coastal Management, 2020, 185, 105004.	4.4	18
23	The East African contribution to the formalisation of the soil catena concept. Catena, 2020, 185, 104291.	5.0	18
24	SEISMIC: a desktop information system for assessing the fate and behaviour of pesticides in the environment. Computers and Electronics in Agriculture, 1995, 13, 227-242.	7.7	16
25	The Open2-Innova8ion Toolâ€"A software tool for rating organisational innovation performance. Technovation, 2013, 33, 381-385.	7.8	15
26	Soil impacts on UK infrastructure: current and future climate. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2014, 167, 170-184.	0.7	15
27	Probabilistic soil moisture projections to assess Great Britainâ€™s future clay-related subsidence hazard. Climatic Change, 2015, 133, 635-650.	3.6	14
28	Opening up the coast. Ocean and Coastal Management, 2018, 160, 133-145.	4.4	13
29	An evolution of statistical pipe failure models for drinking water networks: a targeted review. Water Science and Technology: Water Supply, 2022, 22, 3784-3813.	2.1	11
30	The challenges of predicting pipe failures in clean water networks: a view from current practice. Water Science and Technology: Water Supply, 2022, 22, 527-541.	2.1	9
31	Towards a World Soil Survey Archive and Catalogue. Soil Use and Management, 2006, 22, 227-228.	4.9	8
32	Soil and transport factors in potential distribution systems for biofertilisers derived from palm oil mill residues in Malaysia. Computers and Electronics in Agriculture, 2019, 166, 105005.	7.7	8
33	Towards a standard for soil and terrain data exchange: SoTerML. Computers and Geosciences, 2012, 45, 270-283.	4.2	7
34	Soil geohazard mapping for improved asset management of UK local roads. Natural Hazards and Earth System Sciences, 2015, 15, 2079-2090.	3.6	7
35	Phosphate acceptance map: A novel approach to match phosphorus content of biosolids with land and crop requirements. Agricultural Systems, 2018, 166, 57-69.	6.1	7
36	Adapting smartphone app used in water testing, for soil nutrient analysis. Computers and Electronics in Agriculture, 2020, 175, 105532.	7.7	7

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37	Novel procedure for testing of soil field test kits involving paper strips. Soil Use and Management, 2021, 37, 607-617.	4.9	7
38	Old problem, the Millennial solution: using mobile technology to inform decision making for sustainable fertilizer management. Current Opinion in Environmental Sustainability, 2021, 49, 26-32.	6.3	7
39	An empirical water consumer segmentation and the characterisation of consumption patterns underpinning demand peaks. Resources, Conservation and Recycling, 2021, 174, 105792.	10.8	7
40	Soil-Net. Soil Science, 2017, 182, 188-201.	0.9	6
41	Stoichiometry of cationic nutrients in Phaeozems derived from skarn and Acrisols from other parent materials in lowland forests of Thailand. Geoderma Regional, 2018, 12, 1-9.	2.1	6
42	Predicting the risk of pipe failure using gradient boosted decision trees and weighted risk analysis. Npj Clean Water, 2022, 5, .	8.0	6
43	The application of data innovations to geomorphological impact analyses in coastal areas: An East Anglia, UK, case study. Ocean and Coastal Management, 2019, 181, 104875.	4.4	5
44	Developing a water strategy for sustainable irrigated agriculture in Mediterranean island communities â€“ Insights from Malta. Outlook on Agriculture, 2019, 48, 143-151.	3.4	5
45	Improving Soil and Water Management for Agriculture: Insights and Innovation from Malta. MCAST Journal of Applied Research & Practice, 2017, 1, 40-59.	0.1	5
46	A land information system for Turkeyâ€”a key to the country's sustainable development. Journal of Arid Environments, 2003, 54, 513-525.	2.4	4
47	A framework for monitoring, modelling and managing water quality in the Forth Estuary, Scotland. Journal of Environmental Management, 1991, 33, 311-325.	7.8	3
48	UK water pollution control: A review of legislation and practice. Environmental Policy and Governance, 2007, 1, 7-13.	0.3	3
49	Soil moisture content measurement using optical fiber long period gratings. , 2017, , .		2
50	Environmental information systems developments for planning sustainable land use. International Journal of Geographical Information Science, 1996, 10, 47-64.	4.8	1
51	Sequestration of P fractions in the soils of an incipient ferralisation chronosequence on a humid tropical volcanic island. , 2021, 62, 20.		1
52	Enhanced visualization of the flat landscape of the Cambridgeshire Fenlands. Geology Today, 2015, 31, 187-192.	0.9	0
53	The contributions of C. F. Charter to tropical soil survey and classification. Catena, 2021, 197, 104957.	5.0	0
54	Topographic zonation and polycyclic pedogenesis in the northern atolls of the Chagos Archipelago, Indian Ocean. Geoderma Regional, 2021, 26, e00391.	2.1	0

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55	Generalised network architectures for environmental sensing: Case studies for a digitally enabled environment. Array, 2022, 14, 100168.	4.0	0