

Stephen H Hallett

List of Publications by Year in descending order

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55
papers

1,237
citations

394421

19
h-index

395702

33
g-index

57
all docs

57
docs citations

57
times ranked

1487
citing authors

#	ARTICLE	IF	CITATIONS
1	The challenges of predicting pipe failures in clean water networks: a view from current practice. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 527-541.	2.1	9
2	An evolution of statistical pipe failure models for drinking water networks: a targeted review. <i>Water Science and Technology: Water Supply</i> , 2022, 22, 3784-3813.	2.1	11
3	Generalised network architectures for environmental sensing: Case studies for a digitally enabled environment. <i>Array</i> , 2022, 14, 100168.	4.0	0
4	Predicting the risk of pipe failure using gradient boosted decision trees and weighted risk analysis. <i>Npj Clean Water</i> , 2022, 5, .	8.0	6
5	Novel procedure for testing of soil field test kits involving paper strips. <i>Soil Use and Management</i> , 2021, 37, 607-617.	4.9	7
6	The contributions of C. F. Charter to tropical soil survey and classification. <i>Catena</i> , 2021, 197, 104957.	5.0	0
7	Quantifying the impact of the COVID-19 lockdown on household water consumption patterns in England. <i>Npj Clean Water</i> , 2021, 4, .	8.0	73
8	Old problem, the Millennial solution: using mobile technology to inform decision making for sustainable fertilizer management. <i>Current Opinion in Environmental Sustainability</i> , 2021, 49, 26-32.	6.3	7
9	A review of household water demand management and consumption measurement. <i>Journal of Cleaner Production</i> , 2021, 292, 125872.	9.3	50
10	Topographic zonation and polycyclic pedogenesis in the northern atolls of the Chagos Archipelago, Indian Ocean. <i>Geoderma Regional</i> , 2021, 26, e00391.	2.1	0
11	A critical review of decision support systems for brownfield redevelopment. <i>Science of the Total Environment</i> , 2021, 785, 147132.	8.0	38
12	An empirical water consumer segmentation and the characterisation of consumption patterns underpinning demand peaks. <i>Resources, Conservation and Recycling</i> , 2021, 174, 105792.	10.8	7
13	Sequestration of P fractions in the soils of an incipient ferralite chronosequence on a humid tropical volcanic island. , 2021, 62, 20.		1
14	The role of data within coastal resilience assessments: an East Anglia, UK, case study. <i>Ocean and Coastal Management</i> , 2020, 185, 105004.	4.4	18
15	The East African contribution to the formalisation of the soil catena concept. <i>Catena</i> , 2020, 185, 104291.	5.0	18
16	Multi-stakeholder analysis to improve agricultural water management policy and practice in Malta. <i>Agricultural Water Management</i> , 2020, 229, 105920.	5.6	29
17	Using generalized additive models to investigate the environmental effects on pipe failure in clean water networks. <i>Npj Clean Water</i> , 2020, 3, .	8.0	26
18	Adapting smartphone app used in water testing, for soil nutrient analysis. <i>Computers and Electronics in Agriculture</i> , 2020, 175, 105532.	7.7	7

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19	Towards evaluation design for smart city development. <i>Journal of Urban Design</i> , 2019, 24, 188-209.	1.4	99
20	The application of data innovations to geomorphological impact analyses in coastal areas: An East Anglia, UK, case study. <i>Ocean and Coastal Management</i> , 2019, 181, 104875.	4.4	5
21	Improving pipe failure predictions: Factors affecting pipe failure in drinking water networks. <i>Water Research</i> , 2019, 164, 114926.	11.3	104
22	Soil and transport factors in potential distribution systems for biofertilisers derived from palm oil mill residues in Malaysia. <i>Computers and Electronics in Agriculture</i> , 2019, 166, 105005.	7.7	8
23	Innovations in the use of data facilitating insurance as a resilience mechanism for coastal flood risk. <i>Science of the Total Environment</i> , 2019, 661, 598-612.	8.0	34
24	Developing a water strategy for sustainable irrigated agriculture in Mediterranean island communities – Insights from Malta. <i>Outlook on Agriculture</i> , 2019, 48, 143-151.	3.4	5
25	The potential for using smartphones as portable soil nutrient analyzers on suburban farms in central East China. <i>Scientific Reports</i> , 2019, 9, 16424.	3.3	20
26	Stoichiometry of cationic nutrients in Phaeozems derived from skarn and Acrisols from other parent materials in lowland forests of Thailand. <i>Geoderma Regional</i> , 2018, 12, 1-9.	2.1	6
27	A review of potential methods for monitoring rangeland degradation in Libya. <i>Pastoralism</i> , 2018, 8, .	1.0	20
28	Opening up the coast. <i>Ocean and Coastal Management</i> , 2018, 160, 133-145.	4.4	13
29	Phosphate acceptance map: A novel approach to match phosphorus content of biosolids with land and crop requirements. <i>Agricultural Systems</i> , 2018, 166, 57-69.	6.1	7
30	Bridging mechanisms of through-thickness reinforcement in dynamic mode I&II delamination. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 99, 198-207.	7.6	27
31	Soil moisture content measurement using optical fiber long period gratings. , 2017, , .		2
32	Soil legacy data rescue via GlobalSoilMap and other international and national initiatives. <i>GeoResJ</i> , 2017, 14, 1-19.	1.4	102
33	Developments in land information systems: examples demonstrating land resource management capabilities and options. <i>Soil Use and Management</i> , 2017, 33, 514-529.	4.9	29
34	Soil-Net. <i>Soil Science</i> , 2017, 182, 188-201.	0.9	6
35	Monitoring the Response of Roads and Railways to Seasonal Soil Movement with Persistent Scatterers Interferometry over Six UK Sites. <i>Remote Sensing</i> , 2017, 9, 922.	4.0	22
36	Leveraging Big Data Tools and Technologies: Addressing the Challenges of the Water Quality Sector. <i>Sustainability</i> , 2017, 9, 2160.	3.2	35

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37	Coastal risk adaptation: the potential role of accessible geospatial Big Data. <i>Marine Policy</i> , 2017, 83, 100-110.	3.2	22
38	Improving Soil and Water Management for Agriculture: Insights and Innovation from Malta. <i>MCAST Journal of Applied Research & Practice</i> , 2017, 1, 40-59.	0.1	5
39	Probabilistic soil moisture projections to assess Great Britain's future clay-related subsidence hazard. <i>Climatic Change</i> , 2015, 133, 635-650.	3.6	14
40	Enhanced visualization of the flat landscape of the Cambridgeshire Fenlands. <i>Geology Today</i> , 2015, 31, 187-192.	0.9	0
41	Soil geohazard mapping for improved asset management of UK local roads. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 2079-2090.	3.6	7
42	Soil impacts on UK infrastructure: current and future climate. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2014, 167, 170-184.	0.7	15
43	The Open2-Innovation Tool – A software tool for rating organisational innovation performance. <i>Technovation</i> , 2013, 33, 381-385.	7.8	15
44	Harmonisation of the soil map of Africa at the continental scale. <i>Geoderma</i> , 2013, 211-212, 138-153.	5.1	150
45	Towards a standard for soil and terrain data exchange: SoTerML. <i>Computers and Geosciences</i> , 2012, 45, 270-283.	4.2	7
46	UK water pollution control: A review of legislation and practice. <i>Environmental Policy and Governance</i> , 2007, 1, 7-13.	0.3	3
47	Towards a World Soil Survey Archive and Catalogue. <i>Soil Use and Management</i> , 2006, 22, 227-228.	4.9	8
48	A land information system for Turkey – a key to the country's sustainable development. <i>Journal of Arid Environments</i> , 2003, 54, 513-525.	2.4	4
49	Environmental information systems developments for planning sustainable land use. <i>International Journal of Geographical Information Science</i> , 1996, 10, 47-64.	4.8	46
50	Environmental information systems developments for planning sustainable land use. <i>International Journal of Geographical Information Science</i> , 1996, 10, 47-64.	4.8	1
51	SEISMIC: a desktop information system for assessing the fate and behaviour of pesticides in the environment. <i>Computers and Electronics in Agriculture</i> , 1995, 13, 227-242.	7.7	16
52	The use of a land suitability model to predict where autumn-sown, determinate genotypes of the white lupin (<i>Lupinus albus</i>) might be grown in England and Wales. <i>Journal of Agricultural Science</i> , 1994, 123, 199-205.	1.3	24
53	Compilation of an accumulated temperature database for use in an environmental information system. <i>Agricultural and Forest Meteorology</i> , 1993, 63, 21-34.	4.8	21
54	A framework for monitoring, modelling and managing water quality in the Forth Estuary, Scotland. <i>Journal of Environmental Management</i> , 1991, 33, 311-325.	7.8	3

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55	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