

Simon J Pulley

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,024
citations

516561

16
h-index

434063

31
g-index

37
all docs

37
docs citations

37
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	Sediment detachment by raindrop impact on grassland and arable fields: an investigation of controls. <i>Journal of Soils and Sediments</i> , 2022, 22, 692-703.	1.5	1
2	A rapid and inexpensive colour-based sediment tracing method incorporating hydrogen peroxide sample treatment as an alternative to quantitative source fingerprinting for catchment management. <i>Journal of Environmental Management</i> , 2022, 311, 114780.	3.8	10
3	Current advisory interventions for grazing ruminant farming cannot close exceedance of modern background sediment loss – Assessment using an instrumented farm platform and modelled scaling out. <i>Environmental Science and Policy</i> , 2021, 116, 114-127.	2.4	15
4	Does cattle and sheep grazing under best management significantly elevate sediment losses? Evidence from the North Wyke Farm Platform, UK. <i>Journal of Soils and Sediments</i> , 2021, 21, 1875-1889.	1.5	6
5	Sediment source apportionment using optical property composite signatures in a rural catchment, Brazil. <i>Catena</i> , 2021, 202, 105208.	2.2	11
6	Novel approaches to investigating spatial variability in channel bank total phosphorus at the catchment scale. <i>Catena</i> , 2021, 202, 105223.	2.2	10
7	Can agri-environment initiatives control sediment loss in the context of extreme winter rainfall?. <i>Journal of Cleaner Production</i> , 2021, 311, 127593.	4.6	11
8	The potential for colour to provide a robust alternative to high-cost sediment source fingerprinting: Assessment using eight catchments in England. <i>Science of the Total Environment</i> , 2021, 792, 148416.	3.9	11
9	Sediment loss in response to scheduled pasture ploughing and reseeded: The importance of soil moisture content in controlling risk. <i>Soil and Tillage Research</i> , 2020, 204, 104746.	2.6	14
10	Sediment source fingerprinting: benchmarking recent outputs, remaining challenges and emerging themes. <i>Journal of Soils and Sediments</i> , 2020, 20, 4160-4193.	1.5	124
11	Storm dust source fingerprinting for different particle size fractions using colour and magnetic susceptibility and a Bayesian un-mixing model. <i>Environmental Science and Pollution Research</i> , 2020, 27, 31578-31594.	2.7	11
12	The representation of sediment source group tracer distributions in Monte Carlo uncertainty routines for fingerprinting: An analysis of accuracy and precision using data for four contrasting catchments. <i>Hydrological Processes</i> , 2020, 34, 2381-2400.	1.1	5
13	Field scale temporal and spatial variability of $\delta^{13}C$, $\delta^{15}N$, TC and TN soil properties: Implications for sediment source tracing. <i>Geoderma</i> , 2019, 333, 108-122.	2.3	29
14	A palaeoenvironmental study of particle size-specific connectivity – New insights and implications from the West Sussex Rother Catchment, United Kingdom. <i>River Research and Applications</i> , 2019, 35, 1192-1202.	0.7	8
15	Field-based determination of controls on runoff and fine sediment generation from lowland grazing livestock fields. <i>Journal of Environmental Management</i> , 2019, 249, 109365.	3.8	25
16	The sources and dynamics of fine-grained sediment degrading the Freshwater Pearl Mussel (<i>Margaritifera margaritifera</i>) beds of the River Torridge, Devon, UK. <i>Science of the Total Environment</i> , 2019, 657, 420-434.	3.9	12
17	An analysis of potential controls on long-term ^{137}Cs accumulation in the sediments of UK lakes. <i>Journal of Paleolimnology</i> , 2018, 60, 1-30.	0.8	8
18	Variability in the mineral magnetic properties of soils and sediments within a single field in the Cape Fold mountains, South Africa: Implications for sediment source tracing. <i>Catena</i> , 2018, 163, 172-183.	2.2	12

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19	Gully erosion as a mechanism for wetland formation: An examination of two contrasting landscapes. <i>Land Degradation and Development</i> , 2018, 29, 1756-1767.	1.8	26
20	Colour as reliable tracer to identify the sources of historically deposited flood bench sediment in the Transkei, South Africa: A comparison with mineral magnetic tracers before and after hydrogen peroxide pre-treatment. <i>Catena</i> , 2018, 160, 242-251.	2.2	16
21	The invasive alien plant, <i>Impatiens glandulifera</i> (Himalayan Balsam), and increased soil erosion: causation or association? Case studies from a river system in Switzerland and the UK. <i>Journal of Soils and Sediments</i> , 2018, 18, 3463-3477.	1.5	22
22	Tracing catchment fine sediment sources using the new SIFT (Sediment Fingerprinting Tool) open source software. <i>Science of the Total Environment</i> , 2018, 635, 838-858.	3.9	66
23	The impact of catchment source group classification on the accuracy of sediment fingerprinting outputs. <i>Journal of Environmental Management</i> , 2017, 194, 16-26.	3.8	56
24	The mineral magnetic signatures of fire in the Kromrivier wetland, South Africa. <i>Journal of Soils and Sediments</i> , 2017, 17, 1170-1181.	1.5	4
25	Can channel banks be the dominant source of fine sediment in a UK river?: an example using ¹³⁷ Cs to interpret sediment yield and sediment source. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 624-634.	1.2	9
26	Magnetic susceptibility as a simple tracer for fluvial sediment source ascription during storm events. <i>Journal of Environmental Management</i> , 2017, 194, 54-62.	3.8	23
27	Are source groups always appropriate when sediment fingerprinting? The direct comparison of source and sediment samples as a methodological step. <i>River Research and Applications</i> , 2017, 33, 1553-1563.	0.7	14
28	Sediment source fingerprinting as an aid to catchment management: A review of the current state of knowledge and a methodological decision-tree for end-users. <i>Journal of Environmental Management</i> , 2017, 194, 86-108.	3.8	201
29	The dynamics of sediment-associated contaminants over a transition from drought to multiple flood events in a lowland UK catchment. <i>Hydrological Processes</i> , 2016, 30, 704-719.	1.1	21
30	Stages in the life of a magnetic grain: Sediment source discrimination, particle size effects and spatial variability in the South African Karoo. <i>Geoderma</i> , 2016, 271, 134-143.	2.3	15
31	The use of an ordinary colour scanner to fingerprint sediment sources in the South African Karoo. <i>Journal of Environmental Management</i> , 2016, 165, 253-262.	3.8	34
32	The application of sediment fingerprinting to floodplain and lake sediment cores: assumptions and uncertainties evaluated through case studies in the Nene Basin, UK. <i>Journal of Soils and Sediments</i> , 2015, 15, 2132-2154.	1.5	38
33	Flood bench chronology and sediment source tracing in the upper Thina catchment, South Africa: the role of transformed landscape connectivity. <i>Journal of Soils and Sediments</i> , 2015, 15, 2398-2411.	1.5	21
34	Conservatism of mineral magnetic signatures in farm dam sediments in the South African Karoo: the potential effects of particle size and post-depositional diagenesis. <i>Journal of Soils and Sediments</i> , 2015, 15, 2387-2397.	1.5	24
35	The uncertainties associated with sediment fingerprinting suspended and recently deposited fluvial sediment in the Nene river basin. <i>Geomorphology</i> , 2015, 228, 303-319.	1.1	109
36	The potential for gamma-emitting radionuclides to contribute to an understanding of erosion processes in South Africa. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 375, 29-34.	1.0	2