Simon J Pulley

List of Publications by Year
in descending order

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36	1,024	516561 16	434063 31
papers	citations	h-index	g-index

37	37	37	788
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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. Journal of Environmental Management, 2017, 194, 86-108.	3.8	201
2	Sediment source fingerprinting: benchmarking recent outputs, remaining challenges and emerging themes. Journal of Soils and Sediments, 2020, 20, 4160-4193.	1.5	124
3	The uncertainties associated with sediment fingerprinting suspended and recently deposited fluvial sediment in the Nene river basin. Geomorphology, 2015, 228, 303-319.	1.1	109
4	Tracing catchment fine sediment sources using the new SIFT (SedIment Fingerprinting Tool) open source software. Science of the Total Environment, 2018, 635, 838-858.	3.9	66
5	The impact of catchment source group classification on the accuracy of sediment fingerprinting outputs. Journal of Environmental Management, 2017, 194, 16-26.	3.8	56
6	The application of sediment fingerprinting to floodplain and lake sediment cores: assumptions and uncertainties evaluated through case studies in the Nene Basin, UK. Journal of Soils and Sediments, 2015, 15, 2132-2154.	1.5	38
7	The use of an ordinary colour scanner to fingerprint sediment sources in the South African Karoo. Journal of Environmental Management, 2016, 165, 253-262.	3.8	34
8	Field scale temporal and spatial variability of Î´13C, Î´15N, TC and TN soil properties: Implications for sediment source tracing. Geoderma, 2019, 333, 108-122.	2.3	29
9	Gully erosion as a mechanism for wetland formation: An examination of two contrasting landscapes. Land Degradation and Development, 2018, 29, 1756-1767.	1.8	26
10	Field-based determination of controls on runoff and fine sediment generation from lowland grazing livestock fields. Journal of Environmental Management, 2019, 249, 109365.	3.8	25
11	Conservatism of mineral magnetic signatures in farm dam sediments in the South African Karoo: the potential effects of particle size and post-depositional diagenesis. Journal of Soils and Sediments, 2015, 15, 2387-2397.	1.5	24
12	Magnetic susceptibility as a simple tracer for fluvial sediment source ascription during storm events. Journal of Environmental Management, 2017, 194, 54-62.	3.8	23
13	The invasive alien plant, Impatiens glandulifera (Himalayan Balsam), and increased soil erosion: causation or association? Case studies from a river system in Switzerland and the UK. Journal of Soils and Sediments, 2018, 18, 3463-3477.	1.5	22
14	Flood bench chronology and sediment source tracing in the upper Thina catchment, South Africa: the role of transformed landscape connectivity. Journal of Soils and Sediments, 2015, 15, 2398-2411.	1.5	21
15	The dynamics of sediment-associated contaminants over a transition from drought to multiple flood events in a lowland UK catchment. Hydrological Processes, 2016, 30, 704-719.	1.1	21
16	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. Catena, 2018, 160, 242-251.	2.2	16
17	Stages in the life of a magnetic grain: Sediment source discrimination, particle size effects and spatial variability in the South African Karoo. Geoderma, 2016, 271, 134-143.	2.3	15
18	Current advisory interventions for grazing ruminant farming cannot close exceedance of modern background sediment loss â€“ Assessment using an instrumented farm platform and modelled scaling out. Environmental Science and Policy, 2021, 116, 114-127.	2.4	15

#	Article	IF	Citations
19	Are source groups always appropriate when sediment fingerprinting? The direct comparison of source and sediment samples as a methodological step. River Research and Applications, 2017, 33, 1553-1563.	0.7	14
20	Sediment loss in response to scheduled pasture ploughing and reseeding: The importance of soil moisture content in controlling risk. Soil and Tillage Research, 2020, 204, 104746.	2.6	14
21	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. Catena, 2018, 163, 172-183.	2.2	12
22	The sources and dynamics of fine-grained sediment degrading the Freshwater Pearl Mussel (Margaritifera margaritifera) beds of the River Torridge, Devon, UK. Science of the Total Environment, 2019, 657, 420-434.	3.9	12
23	Storm dust source fingerprinting for different particle size fractions using colour and magnetic susceptibility and a Bayesian un-mixing model. Environmental Science and Pollution Research, 2020, 27, 31578-31594.	2.7	11
24	Sediment source apportionment using optical property composite signatures in a rural catchment, Brazil. Catena, 2021, 202, 105208.	2.2	11
25	Can agri-environment initiatives control sediment loss in the context of extreme winter rainfall?. Journal of Cleaner Production, 2021, 311, 127593.	4.6	11
26	The potential for colour to provide a robust alternative to high-cost sediment source fingerprinting: Assessment using eight catchments in England. Science of the Total Environment, 2021, 792, 148416.	3.9	11
27	Novel approaches to investigating spatial variability in channel bank total phosphorus at the catchment scale. Catena, 2021, 202, 105223.	2.2	10
28	A rapid and inexpensive colour-based sediment tracing method incorporating hydrogen peroxide sample treatment as an alternative to quantitative source fingerprinting for catchment management. Journal of Environmental Management, 2022, 311, 114780.	3.8	10
29	Can channel banks be the dominant source of fine sediment in a UK river?: an example using ‹sup›137‹/sup›Cs to interpret sediment yield and sediment source. Earth Surface Processes and Landforms, 2017, 42, 624-634.	1.2	9
30	An analysis of potential controls on long-term 137Cs accumulation in the sediments of UK lakes. Journal of Paleolimnology, 2018, 60, 1-30.	0.8	8
31	A palaeoenvironmental study of particle sizeâ€specific connectivityâ€”New insights and implications from the West Sussex Rother Catchment, United Kingdom. River Research and Applications, 2019, 35, 1192-1202.	0.7	8
32	Does cattle and sheep grazing under best management significantly elevate sediment losses? Evidence from the North Wyke Farm Platform, UK. Journal of Soils and Sediments, 2021, 21, 1875-1889.	1.5	6
33	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. Hydrological Processes, 2020, 34, 2381-2400.	1.1	5
34	The mineral magnetic signatures of fire in the Kromrivier wetland, South Africa. Journal of Soils and Sediments, 2017, 17, 1170-1181.	1.5	4
35	The potential for gamma-emitting radionuclides to contribute to an understanding of erosion processes in South Africa. Proceedings of the International Association of Hydrological Sciences, 0, 375, 29-34.	1.0	2
36	Sediment detachment by raindrop impact on grassland and arable fields: an investigation of controls. Journal of Soils and Sediments, 2022, 22, 692-703.	1.5	1