

# Susanne Charlesworth

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

2,874  
citations

304368

22  
h-index

174990

52  
g-index

142  
all docs

142  
docs citations

142  
times ranked

3184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk-based evaluation of the exposure of children to trace elements in playgrounds in Madrid (Spain). <i>Chemosphere</i> , 2007, 66, 505-513.	4.2	487
2	A comparative study of heavy metal concentration and distribution in deposited street dusts in a large and a small urban area: Birmingham and Coventry, West Midlands, UK. <i>Environment International</i> , 2003, 29, 563-573.	4.8	416
3	A review of the distribution of particulate trace elements in urban terrestrial environments and its application to considerations of risk. <i>Environmental Geochemistry and Health</i> , 2011, 33, 103-123.	1.8	232
4	Heavy metals in the hydrological cycle: Trends and explanation. <i>Hydrological Processes</i> , 1996, 10, 227-261.	1.1	217
5	Distribution of Heavy Metals in the Street Dusts and Soils of an Industrial City in Northern Spain. <i>Archives of Environmental Contamination and Toxicology</i> , 2003, 44, 160-170.	2.1	185
6	A review of the adaptation and mitigation of global climate change using sustainable drainage in cities. <i>Journal of Water and Climate Change</i> , 2010, 1, 165-180.	1.2	121
7	Sediment sources and transport pathways in a rural catchment, Herefordshire, UK. <i>Hydrological Processes</i> , 2003, 17, 2665-2681.	1.1	114
8	SuDS & Sponge Cities: A Comparative Analysis of the Implementation of Pluvial Flood Management in the UK and China. <i>Sustainability</i> , 2019, 11, 213.	1.6	76
9	Risk assessment of soils contaminated by mercury mining, Northern Spain. <i>Journal of Environmental Monitoring</i> , 2011, 13, 128-136.	2.1	75
10	The distribution of heavy metals in deposited urban dusts and sediments, Coventry, England. <i>Environmental Geochemistry and Health</i> , 1999, 21, 97-115.	1.8	63
11	Spatial and temporal variations of trace element distribution in soils and street dust of an industrial town in NW Spain: 15years of study. <i>Science of the Total Environment</i> , 2015, 524-525, 93-103.	3.9	53
12	Particulate-associated heavy metals in the urban environment: Their transport from source to deposit, Coventry, UK. <i>Chemosphere</i> , 1999, 39, 833-848.	4.2	50
13	Geochemical fingerprints and controls in the sediments of an urban river: River Manzanares, Madrid (Spain). <i>Science of the Total Environment</i> , 2005, 340, 137-148.	3.9	48
14	Influence of industry on the geochemical urban environment of Mieres (Spain) and associated health risk. <i>Environmental Geochemistry and Health</i> , 2003, 25, 307-323.	1.8	45
15	Water quality and quantity assessment of pervious pavements performance in experimental car park areas. <i>Water Science and Technology</i> , 2014, 69, 1526-1533.	1.2	44
16	Rainfallâ€“Runoff Simulations to Assess the Potential of SuDS for Mitigating Flooding in Highly Urbanized Catchments. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 149.	1.2	40
17	The relationship between soil geochemistry and the bioaccessibility of trace elements in playground soil. <i>Environmental Geochemistry and Health</i> , 2012, 34, 677-687.	1.8	36
18	Urban sediment particle size and pollutants in Southern Brazil. <i>Journal of Soils and Sediments</i> , 2009, 9, 317-327.	1.5	31

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19	Coupling GIS with Stormwater Modelling for the Location Prioritization and Hydrological Simulation of Permeable Pavements in Urban Catchments. <i>Water (Switzerland)</i> , 2016, 8, 451.	1.2	29
20	The application of some mineral magnetic measurements and heavy metal analysis for characterising fine sediments in an urban catchment, Coventry, UK. <i>Journal of Applied Geophysics</i> , 2001, 48, 113-125.	0.9	27
21	Laboratory-based experiments to investigate the impact of glyphosate-containing herbicide on pollution attenuation and biodegradation in a model pervious paving system. <i>Chemosphere</i> , 2013, 90, 737-746.	4.2	27
22	Renewable energy combined with sustainable drainage: Ground source heat and pervious paving. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 68, 912-919.	8.2	27
23	Floodplain lakes as sinks for sediment-associated contaminants – a new source of proxy hydrological data?. <i>Science of the Total Environment</i> , 2001, 266, 187-194.	3.9	22
24	Paired lake catchment studies: a framework for investigating chemical fluxes in small drainage basins. <i>Applied Geography</i> , 1987, 7, 115-133.	1.7	19
25	Aleppo Pine Bark as a Biomonitor of Atmospheric Pollution in the Arid Environment of Jordan. <i>Clean - Soil, Air, Water</i> , 2007, 35, 438-443.	0.7	18
26	Laboratory based experiments to assess the use of green and food based compost to improve water quality in a Sustainable Drainage (SUDS) device such as a swale. <i>Science of the Total Environment</i> , 2012, 424, 337-343.	3.9	18
27	The sustainable management of surface water at the building scale: preliminary results of case studies in the UK and Spain. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2013, 62, 534-544.	0.6	17
28	A simulation-optimization methodology to model urban catchments under non-stationary extreme rainfall events. <i>Environmental Modelling and Software</i> , 2019, 122, 103960.	1.9	17
29	Decision-Making and Sustainable Drainage: Design and Scale. <i>Sustainability</i> , 2016, 8, 782.	1.6	16
30	Mineralogical and environmental features of the asturian copper mining district (Spain): A review. <i>Engineering Geology</i> , 2018, 243, 206-217.	2.9	15
31	A comparative study of heavy metal contamination and pollution in four reservoirs in the English Midlands, UK. <i>Hydrobiologia</i> , 1991, 214, 155-162.	1.0	14
32	“Water and environmental systems”™: achieving student-centred learning objectives with an undergraduate journal. <i>Journal of Geography in Higher Education</i> , 1996, 20, 45-54.	1.4	13
33	Sediment budgets and metal fluxes in two contrasting urban lake catchments in Coventry, UK. <i>Applied Geography</i> , 1999, 19, 199-210.	1.7	12
34	The Fate of Pollutants in Porous Asphalt Pavements, Laboratory Experiments to Investigate Their Potential to Impact Environmental Health. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 666.	1.2	12
35	Opportunity mapping of natural flood management measures: a case study from the headwaters of the Warwickshire-Avon. <i>Environmental Science and Pollution Research</i> , 2018, 25, 19313-19322.	2.7	12
36	Exploring the effects of geotextiles in the performance of highway filter drains. <i>Geotextiles and Geomembranes</i> , 2018, 46, 559-565.	2.3	12

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37	Gamma-emitting radionuclides and metallic elements in urban dusts and sediments, Coventry, UK: implications of dosages for dispersal and disposal. <i>Mineralogical Magazine</i> , 2005, 69, 759-767.	0.6	11
38	Deconstructing the Sustainable Drainage Management Train in Terms of Water Quantity – Preliminary Results for Coventry, UK. <i>Clean - Soil, Air, Water</i> , 2014, 42, 187-192.	0.7	10
39	Potential microbial toxicity and non-target impact of different concentrations of glyphosate-containing herbicide (GCH) in a model pervious paving system. <i>Chemosphere</i> , 2014, 100, 34-41.	4.2	10
40	Prediction of Evapotranspiration in a Mediterranean Region Using Basic Meteorological Variables. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	9
41	The transport of particulate-associated heavy metals from source to deposit in the urban environment, Coventry, UK. <i>Science of the Total Environment</i> , 1999, 235, 351-353.	3.9	8
42	Development of a Geospatial Data-Based Methodology for Stormwater Management in Urban Areas Using Freely-Available Software. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1703.	1.2	8
43	Modelling the Role of SuDS Management Trains in Minimising Flood Risk, Using MicroDrainage. <i>Water (Switzerland)</i> , 2020, 12, 2559.	1.2	8
44	An evaluation of the use of individual grass species in retaining polluted soil and dust particulates in vegetated sustainable drainage devices. <i>Environmental Geochemistry and Health</i> , 2016, 38, 973-985.	1.8	6
45	Sustainable Catchment-Wide Flood Management: A Review of the Terminology and Application of Sustainable Catchment Flood Management Techniques in the UK. <i>Water (Switzerland)</i> , 2022, 14, 1204.	1.2	6
46	Stormwater harvesting from landscaped areas: effect of herbicide application on water quality and usage. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15970-15982.	2.7	5
47	State of a sustainable drainage system at end-of-life: assessment of potential water pollution by leached metals from recycled pervious pavement materials when used as secondary aggregate. <i>Environmental Science and Pollution Research</i> , 2020, 27, 4630-4639.	2.7	5
48	The Potential to Address Disease Vectors in Favelas in Brazil Using Sustainable Drainage Systems: Zika, Drainage and Greywater Management. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2860.	1.2	5
49	Sustainable drainage devices for carbon mitigation. <i>Management of Environmental Quality</i> , 2012, 24, 123-136.	2.2	4
50	Making Way for Trees? Changes in Land-Use, Habitats and Protected Areas in Great Britain under –Global Tree Restoration Potential–. <i>Sustainability</i> , 2020, 12, 5845.	1.6	4
51	Design and Validation of a Test Rig to Simulate High Rainfall Events for Infiltration Studies of Permeable Pavement Systems. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2012, 138, 553-557.	0.6	3
52	Monitoring the atmospheric deposition of particulate-associated urban contaminants, Coventry, UK. <i>Alliance for Global Sustainability Bookseries</i> , 2007, , 155-165.	0.2	3
53	The Design, Construction and Maintenance of a SuDS management Train to Address Surface water Flows by Engaging the Community: Gawilan Refugee Camp, Ninewah Governate, Kurdistan Region of Iraq. <i>Journal of Refugee Studies</i> , 2021, 34, 3494-3510.	1.0	2
54	Seasonal occurrence, source apportionment, and cancer risk assessment of PAHs in the second largest international holy metropolitan: Mashhad, Iran. <i>Environmental Science and Pollution Research</i> , 2022, 29, 13279-13291.	2.7	2

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55	Sustainable drainage, green and blue infrastructure in urban areas. , 2020, , 185-206.		2
56	Editorial: water efficiency and management. Journal of Water Supply: Research and Technology - AQUA, 2013, 62, 493-495.	0.6	1
57	Multiple benefits from surface water management-SUDS. Clean - Soil, Air, Water, 2014, 42, 109-110.	0.7	1
58	Utilization of Glyphosate-Containing Herbicides on Pervious Paving Systems: Laboratory-Based Experiments to Determine Impacts on Effluent Water Quality. Clean - Soil, Air, Water, 2014, 42, 133-138.	0.7	1
59	Wastewater Treatment Infrastructure and Design. , 2014, , 350-370.		1
60	Introduction: The sedimentology of aqueous systems. , 2010, , 1-2.		0
61	Research finds that kitchen and garden waste could be ideal for making Suds. Proceedings of the Institution of Civil Engineers: Civil Engineering, 2012, 165, 101-101.	0.3	0
62	Books also available from Wiley-Blackwell. , 2014, , 422-422.		0
63	Urban Water Economics. , 2014, , 33-43.		0
64	Sustainable Drainage Systems - Features and Designs. , 2014, , 281-301.		0
65	Water Neutrality - An Overview. , 2014, , 121-134.		0