

Peter S Hooda

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85 papers	3,001 citations	28 h-index	53 g-index
98 ext. papers	3,422 ext. citations	5.6 avg, IF	5.34 L-index

#	Paper	IF	Citations
85	Occurrence, fate and transformation of emerging contaminants in water: An overarching review of the field. <i>Environmental Pollution</i> , 2017 , 231, 954-970	9.3	299
84	A review of water quality concerns in livestock farming areas. <i>Science of the Total Environment</i> , 2000 , 250, 143-67	10.2	287
83	Relating Soil Phosphorus Indices to Potential Phosphorus Release to Water. <i>Journal of Environmental Quality</i> , 2000 , 29, 1166-1171	3.4	200
82	Opportunities and challenges in the use of coal fly ash for soil improvements--a review. <i>Journal of Environmental Management</i> , 2014 , 145, 249-67	7.9	171
81	Plant Availability of Heavy Metals in Soils Previously Amended with Heavy Applications of Sewage Sludge. <i>Journal of the Science of Food and Agriculture</i> , 1997 , 73, 446-454	4.3	123
80	Effects of time and temperature on the bioavailability of Cd and Pb from sludge-amended soils. <i>Journal of Soil Science</i> , 1993 , 44, 97-110		112
79	Cadmium and lead sorption behaviour of selected English and Indian soils. <i>Geoderma</i> , 1998 , 84, 121-134	6.7	109
78	Trends in the recovery of phosphorus in bioavailable forms from wastewater. <i>Chemosphere</i> , 2017 , 186, 381-395	8.4	108
77	Ecotoxic pharmaceuticals, personal care products, and other emerging contaminants: A review of environmental, receptor-mediated, developmental, and epigenetic toxicity with discussion of proposed toxicity to humans. <i>Critical Reviews in Environmental Science and Technology</i> , 2016 , 46, 336-381	11.1	104
76	Measuring bioavailable trace metals by diffusive gradients in thin films (DGT): soil moisture effects on its performance in soils. <i>European Journal of Soil Science</i> , 1999 , 50, 285-294	3.4	95
75	Phosphorus Loss in Drainflow from Intensively Managed Grassland Soils. <i>Journal of Environmental Quality</i> , 1999 , 28, 1235-1242	3.4	90
74	Spatial (bio)accumulation of pharmaceuticals, illicit drugs, plasticisers, perfluorinated compounds and metabolites in river sediment, aquatic plants and benthic organisms. <i>Environmental Pollution</i> , 2018 , 234, 864-875	9.3	75
73	The potential impact of soil ingestion on human mineral nutrition. <i>Science of the Total Environment</i> , 2004 , 333, 75-87	10.2	63
72	The effect of liming on heavy metal concentrations in wheat, carrots and spinach grown on previously sludge-applied soils. <i>Journal of Agricultural Science</i> , 1996 , 127, 289-294	1	63
71	The plant availability and DTPA extractability of trace metals in sludge-amended soils. <i>Science of the Total Environment</i> , 1994 , 149, 39-51	10.2	61
70	Trace metals and their source in the catchment of the high altitude Lake Resposuso, Central Pyrenees. <i>Science of the Total Environment</i> , 2009 , 407, 3546-53	10.2	55
69	The distribution of automobile catalysts-cast platinum, palladium and rhodium in soils adjacent to roads and their uptake by grass. <i>Science of the Total Environment</i> , 2007 , 384, 384-92	10.2	53

68	The Potential Impact of Geophagia on the Bioavailability of Iron, Zinc and Calcium in Human Nutrition. <i>Environmental Geochemistry and Health</i> , 2002 , 24, 305-319	4.7	49
67	Parameter selection and testing the soil water model SOIL. <i>Journal of Hydrology</i> , 1997 , 195, 312-334	6	47
66	Determination of Nitrate in Water Containing Dissolved Organic Carbon by Ultraviolet Spectroscopy. <i>International Journal of Environmental Analytical Chemistry</i> , 2001 , 80, 49-59	1.8	45
65	Greenhouse gas emissions of imported and locally produced fruit and vegetable commodities: A quantitative assessment. <i>Environmental Science and Policy</i> , 2015 , 48, 32-43	6.2	36
64	Spatial distribution of organic contaminants in three rivers of Southern England bound to suspended particulate material and dissolved in water. <i>Science of the Total Environment</i> , 2017 , 593-594, 487-497	10.2	35
63	Sorption of Cd and Pb by selected temperate and semi-arid soils: effects of sludge application and ageing of sludged soils. <i>Water, Air, and Soil Pollution</i> , 1994 , 74, 235-250	2.6	34
62	Cadmium and Zinc 2010 , 409-439		30
61	Parameterization of the MACRO model to represent leaching of colloiddally attached inorganic phosphorus following slurry spreading. <i>Soil Use and Management</i> , 2002 , 18, 61-67	3.1	30
60	Phytoremediation of Soil Trace Elements 2010 , 311-352		29
59	The plant availability of auto-cast platinum group elements. <i>Environmental Geochemistry and Health</i> , 2008 , 30, 135-9	4.7	28
58	Changes in Operational Fractions of Trace Metals in Two Soils During Two-Years of Reaction Time Following Sewage Sludge Treatment. <i>International Journal of Environmental Analytical Chemistry</i> , 1994 , 57, 289-311	1.8	28
57	Driving forces and barriers in the removal of phosphorus from water using crop residue, wood and sewage sludge derived biochars. <i>Science of the Total Environment</i> , 2019 , 675, 623-631	10.2	27
56	Trace Elements: General Soil Chemistry, Principles and Processes 2010 , 9-37		26
55	Soil and land use effects on phosphorus in six streams draining small agricultural catchments in Scotland. <i>Soil Use and Management</i> , 1997 , 13, 196-204	3.1	26
54	A comparative study of nitrate leaching from intensively managed monoculture grass and grass/lover pastures. <i>Journal of Agricultural Science</i> , 1998 , 131, 267-275	1	26
53	Markers of anthropogenic contamination: A validated method for quantification of pharmaceuticals, illicit drug metabolites, perfluorinated compounds, and plasticisers in sewage treatment effluent and rain runoff. <i>Chemosphere</i> , 2016 , 159, 638-646	8.4	25
52	Stabilization of Sewage Sludge by Using Various By-products: Effects on Soil Properties, Biomass Production, and Bioavailability of Copper and Zinc. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	24
51	Predatory aquatic beetles, suitable trace elements bioindicators. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 1308-15		22

50	Chromium, Nickel and Cobalt 2010 , 461-479		17
49	Streamwater nitrate concentrations in six agricultural catchments in Scotland. <i>Science of the Total Environment</i> , 1997 , 201, 63-78	10.2	16
48	Modelling through-soil transport of phosphorus to surface waters from livestock agriculture at the field and catchment scale. <i>Science of the Total Environment</i> , 2005 , 344, 185-99	10.2	16
47	Source and risk assessment of heavy metals and microplastics in bivalves and coastal sediments of the Northern Persian Gulf, Hormogzan Province. <i>Environmental Research</i> , 2021 , 196, 110963	7.9	16
46	A wastewater bacterium <i>Bacillus</i> sp. KUJM2 acts as an agent for remediation of potentially toxic elements and promoter of plant (<i>Lens culinaris</i>) growth. <i>Chemosphere</i> , 2019 , 232, 439-452	8.4	15
45	Phosphorus species and fractionation--why sewage derived phosphorus is a problem. <i>Journal of Environmental Management</i> , 2011 , 92, 1210-4	7.9	15
44	Farmyard point discharges and their influence on nutrient and labile carbon dynamics in a second order stream draining through a dairy unit. <i>Journal of Environmental Management</i> , 2008 , 87, 591-9	7.9	15
43	Macroinvertebrates As Bioindicators of Water Pollution in Streams Draining Dairy Farming Catchments. <i>Chemistry and Ecology</i> , 2000 , 17, 17-30	2.3	15
42	Climate change enhances the mobilisation of naturally occurring metals in high altitude environments. <i>Science of the Total Environment</i> , 2016 , 560-561, 73-81	10.2	15
41	Mining Activities and Associated Environmental Impacts in Arid Climates: A Literature Review. <i>Environment and Pollution</i> , 2013 , 2,	1	14
40	Trace Element Immobilization in Soil Using Amendments 2010 , 353-379		14
39	Molybdenum, Silver, Thallium and Vanadium 2010 , 515-549		14
38	A Practical Examination of the Use of Geostatistics in the Remediation of a Site with a Complex Metal Contamination History. <i>Soil and Sediment Contamination</i> , 2005 , 14, 155-169	3.2	13
37	Trace Element-Deficient Soils 2010 , 175-197		11
36	A Multiscale Framework for Deconstructing the Ecosystem Physical Template of High-Altitude Lakes. <i>Ecosystems</i> , 2016 , 19, 1064-1079	3.9	10
35	Small lakes in big landscape: Multi-scale drivers of littoral ecosystem in alpine lakes. <i>Science of the Total Environment</i> , 2016 , 551-552, 496-505	10.2	10
34	Sediment Contamination along Desert Wash Systems from Historic Mining Sites in a Hyperarid Region of Southern Nevada, USA. <i>Soil and Sediment Contamination</i> , 2013 , 22, 737-752	3.2	10
33	Fertilizer-Borne Trace Element Contaminants in Soils 2010 , 135-154		10

32	Greenhouse gas emissions of waste management processes and options: A case study. <i>Waste Management and Research</i> , 2016 , 34, 658-65	4	10
31	Microbial Biomass Responses to Soil Drying-Rewetting and Phosphorus Leaching. <i>Frontiers in Environmental Science</i> , 2019 , 7,	4.8	9
30	Behaviour of neonicotinoids in contrasting soils. <i>Journal of Environmental Management</i> , 2020 , 276, 111329	7.9	9
29	On the arsenic source mobilisation and its natural enrichment in the sediments of a high mountain cirque in the Pyrenees. <i>Journal of Environmental Monitoring</i> , 2009 , 11, 1973-81		8
28	Assessing Bioavailability of Soil Trace Elements 2010 , 227-265		8
27	Land inundation and cropping intensity influences on organic carbon in the agricultural soils of Bangladesh. <i>Catena</i> , 2019 , 178, 11-19	5.8	7
26	Manganese and Selenium 2010 , 481-495		7
25	Analysis and Fractionation of Trace Elements in Soils 2010 , 53-80		7
24	Modelling water pollution by leached soluble phosphorus, part 1: Calibration of the ANIMO model. <i>Biosystems Engineering</i> , 2010 , 106, 138-146	4.8	7
23	The impact of treated sewage wastewater discharges on the phosphorus levels and hydrology of two second order rivers flowing into the Thames. <i>Journal of Environmental Monitoring</i> , 2010 , 12, 1307-14		6
22	Copper and Lead 2010 , 441-460		6
21	Riparian vegetation in the alpine connectome: Terrestrial-aquatic and terrestrial-terrestrial interactions. <i>Science of the Total Environment</i> , 2017 , 601-602, 247-259	10.2	5
20	Arsenic in the rock-soil-plant system and related health risk in a magmatic-metamorphic belt, West of Iran. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 3659-3673	4.7	5
19	Arsenic and Antimony 2010 , 381-407		4
18	Occurrence of trace elements (TEs) in seafood from the North Persian Gulf: Implications for human health. <i>Journal of Food Composition and Analysis</i> , 2021 , 97, 103754	4.1	4
17	Gold and Uranium 2010 , 551-565		3
16	Soil Sampling and Sample Preparation 2010 , 39-51		2
15	Riparian ecosystem in the alpine connectome. Terrestrial-aquatic and terrestrial-terrestrial interactions in high elevation lakes		2

14	Application of Chemical Speciation Modelling to Studies on Toxic Element Behaviour in Soils 2010 , 199-226		1
13	Fractionation and Speciation of Trace Elements in Soil Solution 2010 , 81-110		1
12	Trace Elements in Biosolids-Amended Soils 2010 , 111-133		1
11	Trace Metal Exposure and Effects on Soil-Dwelling Species and Their Communities 2010 , 155-174		1
10	Chapter 9 DGT measurements to predict metal bioavailability in soils. <i>Developments in Soil Science</i> , 2008 , 169-185	1.3	1
9	Soil organic carbon dynamics in the agricultural soils of Bangladesh following more than 20 years of land use intensification.. <i>Journal of Environmental Management</i> , 2022 , 305, 114427	7.9	1
8	Tin and Mercury 2010 , 497-513		0
7	Quantification of Neonicotinoid Pesticides in Six Cultivable Fish Species from the River Owena in Nigeria and a Template for Food Safety Assessment. <i>Water (Switzerland)</i> , 2020 , 12, 2422	3	0
6	Bioavailability: Exposure, Dose and Risk Assessment 2010 , 267-292		
5	Regulatory Limits for Trace Elements in Soils 2010 , 293-309		
4	Platinum Group Elements 2010 , 567-577		
3	Teaching Green Analytical Chemistry on the Example of Bioindication and Biomonitoring (B & B) Technologies. <i>Green Chemistry and Sustainable Technology</i> , 2019 , 19-43	1.1	
2	Source of ²²⁶ Ra in Ramsar spring water, Iran: implication of water-rock interaction and stable isotopes. <i>Environmental Earth Sciences</i> , 2021 , 80, 1	2.9	
1	TPH and PAHs in an oil-rich metropolis in SW Iran: Implication for source apportionment and human health. <i>Human and Ecological Risk Assessment (HERA)</i> , 1-21	4.9	