Dan J Lapworth

List of Publications by Citations

77 papers	3,817 citations	31 h-index	61 g-index
81 ext. papers	4,554 ext. citations	7.6 avg, IF	5.57 L-index

#	Paper	IF	Citations
77	Emerging organic contaminants in groundwater: A review of sources, fate and occurrence. *Environmental Pollution*, **2012**, 163, 287-303	9.3	1114
76	Groundwater quality and depletion in the Indo-Gangetic Basin mapped from in situ observations. *Nature Geoscience*, **2016**, 9, 762-766	18.3	245
75	Emerging contaminants in urban groundwater sources in Africa. *Water Research*, **2015**, 72, 51-63	12.5	191
74	Urban groundwater quality in sub-Saharan Africa: current status and implications for water security and public health. *Hydrogeology Journal*, **2017**, 25, 1093-1116	3.1	119
73	Using chlorofluorocarbons (CFCs) and sulphur hexafluoride (SF6) to characterise groundwater movement and residence time in a lowland Chalk catchment. *Journal of Hydrology*, **2006**, 330, 44-52	6	109
72	Groundwater quality in the alluvial aquifer system of northwest India: New evidence of the extent of anthropogenic and geogenic contamination. *Science of the Total Environment*, **2017**, 599-600, 1433-1444	10.2	93
71	Source and persistence of pesticides in a semi-confined chalk aquifer of southeast England. *Environmental Pollution*, **2006**, 144, 1031-44	9.3	81
70	Hydrogeological typologies of the Indo-Gangetic basin alluvial aquifer, South Asia. *Hydrogeology Journal*, **2017**, 25, 1377-1406	3.1	78
69	Residence times of shallow groundwater in West Africa: implications for hydrogeology and resilience to future changes in climate. *Hydrogeology Journal*, **2013**, 21, 673-686	3.1	65
68	In-situ tryptophan-like fluorescence: A real-time indicator of faecal contamination in drinking water supplies. *Water Research*, **2015**, 81, 38-46	12.5	63
67	In situ tryptophan-like fluorometers: assessing turbidity and temperature effects for freshwater applications. *Environmental Sciences: Processes and Impacts*, **2015**, 17, 740-52	4.3	62
66	Groundwater recharge and age-depth profiles of intensively exploited groundwater resources in northwest India. *Geophysical Research Letters*, **2015**, 42, 7554-7562	4.9	61
65	A multi-stable isotope framework to understand eutrophication in aquatic ecosystems. *Water Research*, **2016**, 88, 623-633	12.5	59
64	Tracing groundwater flow and sources of organic carbon in sandstone aquifers using fluorescence properties of dissolved organic matter (DOM). *Applied Geochemistry*, **2008**, 23, 3384-3390	3.5	59
63	Persistent and emerging micro-organic contaminants in Chalk groundwater of England and France. *Environmental Pollution*, **2015**, 203, 214-225	9.3	58
62	Quantification of natural DOM from UV absorption at two wavelengths. *Environmental Chemistry*, **2009**, 6, 472	3.2	57
61	Deep urban groundwater vulnerability in India revealed through the use of emerging organic contaminants and residence time tracers. *Environmental Pollution*, **2018**, 240, 938-949	9.3	53

60	Online fluorescence spectroscopy for the real-time evaluation of the microbial quality of drinking water. *Water Research*, **2018**, 137, 301-309	12.5	51
59	Fingerprinting groundwater pollution in catchments with contrasting contaminant sources using microorganic compounds. *Science of the Total Environment*, **2014**, 468-469, 564-77	10.2	49
58	Are sanitation interventions a threat to drinking water supplies in rural India? An application of tryptophan-like fluorescence. *Water Research*, **2016**, 88, 923-932	12.5	48
57	Nitrogen sources, transport and processing in peri-urban floodplains. *Science of the Total Environment*, **2014**, 494-495, 28-38	10.2	46
56	Tracking changes in the occurrence and source of pharmaceuticals within the River Thames, UK; from source to sea. *Environmental Pollution*, **2019**, 249, 257-266	9.3	44
55	Changes in global groundwater organic carbon driven by climate change and urbanization. *Nature Communications*, **2020**, 11, 1279	17.4	42
54	Terrestrial dissolved organic matter distribution in the North Sea. *Science of the Total Environment*, **2018**, 630, 630-647	10.2	40
53	Understanding groundwater, surface water, and hyporheic zone biogeochemical processes in a Chalk catchment using fluorescence properties of dissolved and colloidal organic matter. *Journal of Geophysical Research*, **2009**, 114,		40
52	Using boreholes as windows into groundwater ecosystems. *PLoS ONE*, **2013**, 8, e70264	3.7	37
51	Tracing enteric pathogen contamination in sub-Saharan African groundwater. *Science of the Total Environment*, **2015**, 538, 888-95	10.2	36
50	Interaction between groundwater, the hyporheic zone and a Chalk stream: a case study from the River Lambourn, UK. *Hydrogeology Journal*, **2010**, 18, 1125-1141	3.1	36
49	Real-time detection of faecally contaminated drinking water with tryptophan-like fluorescence: defining threshold values. *Science of the Total Environment*, **2018**, 622-623, 1250-1257	10.2	34
48	Tryptophan-like fluorescence as a measure of microbial contamination risk in groundwater. *Science of the Total Environment*, **2019**, 646, 782-791	10.2	33
47	Geochemical mapping using stream sediments in west-central Nigeria: Implications for environmental studies and mineral exploration in West Africa. *Applied Geochemistry*, **2012**, 27, 1035-1052	3.5	33
46	Prioritization Approaches for Substances of Emerging Concern in Groundwater: A Critical Review. *Environmental Science & Technology*, **2019**, 53, 6107-6122	10.3	31
45	Impacts of extreme flooding on riverbank filtration water quality. *Science of the Total Environment*, **2016**, 554-555, 89-101	10.2	30
44	Estimating the leakage contribution of phosphate dosed drinking water to environmental phosphorus pollution at the national-scale. *Science of the Total Environment*, **2016**, 572, 1534-1542	10.2	29
43	A baseline assessment of emerging organic contaminants in New Zealand groundwater. *Science of the Total Environment*, **2019**, 686, 425-439	10.2	25

42	Isotopic Fingerprint for Phosphorus in Drinking Water Supplies. *Environmental Science & Technology*, **2015**, 49, 9020-8	10.3	25
41	Characterization of suboxic groundwater colloids using a multi-method approach. *Environmental Science & Technology*, **2013**, 47, 2554-61	10.3	25
40	An R script for visualising and analysing fluorescence excitation emission matrices (EEMs). *Computers and Geosciences*, **2009**, 35, 2160-2163	4.5	25
39	Developing a groundwater watch list for substances of emerging concern: a European perspective. *Environmental Research Letters*, **2019**, 14, 035004	6.2	25
38	Groundwater and resilience to drought in the Ethiopian highlands. *Environmental Research Letters*, **2019**, 14, 095003	6.2	24
37	Macronutrient status of UK groundwater: Nitrogen, phosphorus and organic carbon. *Science of the Total Environment*, **2016**, 572, 1543-1560	10.2	23
36	The significance of colloids in the transport of pesticides through Chalk. *Science of the Total Environment*, **2007**, 385, 262-71	10.2	23
35	Molybdenum distributions and variability in drinking water from England and Wales. *Environmental Monitoring and Assessment*, **2014**, 186, 6403-16	3.1	20
34	Terrestrial water load and groundwater fluctuation in the Bengal Basin. *Scientific Reports*, **2017**, 7, 3872	4.9	20
33	Using chemical, microbial and fluorescence techniques to understand contaminant sources and pathways to wetlands in a conservation site. *Science of the Total Environment*, **2015**, 511, 703-10	10.2	19
32	Hydrochemical profiles in urban groundwater systems: New insights into contaminant sources and pathways in the subsurface from legacy and emerging contaminants. *Science of the Total Environment*, **2016**, 562, 962-973	10.2	19
31	Understanding Phosphorus Mobility and Bioavailability in the Hyporheic Zone of a Chalk Stream. *Water, Air, and Soil Pollution*, **2011**, 218, 213-226	2.6	19
30	Unified concepts for understanding and modelling turnover of dissolved organic matter from freshwaters to the ocean: the UniDOM model. *Biogeochemistry*, **2019**, 146, 105-123	3.8	18
29	Mains water leakage: Implications for phosphorus source apportionment and policy responses in catchments. *Science of the Total Environment*, **2017**, 579, 702-708	10.2	17
28	Groundwater nitrogen composition and transformation within a moorland catchment, mid-Wales. *Science of the Total Environment*, **2008**, 390, 241-54	10.2	17
27	Emerging organic compounds in European groundwater. *Environmental Pollution*, **2021**, 269, 115945	9.3	17
26	Temporal variability of micro-organic contaminants in lowland chalk catchments: New insights into contaminant sources and hydrological processes. *Science of the Total Environment*, **2016**, 568, 566-577	10.2	16
25	Security of Deep Groundwater in the Coastal Bengal Basin Revealed by Tracers. *Geophysical Research Letters*, **2018**, 45, 8241-8252	4.9	16

24	Groundwater, flooding and hydrological functioning in the Findhorn floodplain, Scotland **2014**, 45, 755-773		16
23	Role of Humic Acid in the Stability of Ag Nanoparticles in Suboxic Conditions. *Environmental Science & Technology*, **2017**, 51, 6063-6070	10.3	15
22	Drinking water quality from rural handpump-boreholes in Africa. *Environmental Research Letters*, **2020**, 15, 064020	6.2	15
21	Pesticide pollution of the Triassic Sandstone aquifer of South Yorkshire. *Quarterly Journal of Engineering Geology and Hydrogeology*, **2005**, 38, 53-63	1.4	12
20	Emerging organic contaminants in groundwater under a rapidly developing city (Patna) in northern India dominated by high concentrations of lifestyle chemicals. *Environmental Pollution*, **2021**, 268, 115763	9.3	12
19	In-situ fluorescence spectroscopy indicates total bacterial abundance and dissolved organic carbon. *Science of the Total Environment*, **2020**, 738, 139419	10.2	11
18	Groundwater connectivity of a sheared gneiss aquifer in the Cauvery River basin, India. *Hydrogeology Journal*, **2020**, 28, 1371-1388	3.1	11
17	A combined geochemical and hydrological approach for understanding macronutrient sources. *Journal of Hydrology*, **2013**, 500, 226-242	6	11
16	Dissolved organic matter tracers reveal contrasting characteristics across high arsenic aquifers in Cambodia: A fluorescence spectroscopy study. *Geoscience Frontiers*, **2019**, 10, 1653-1667	6	10
15	Large-scale survey of seasonal drinking water quality in Malawi using in situ tryptophan-like fluorescence and conventional water quality indicators. *Science of the Total Environment*, **2020**, 744, 140674	10.2	10
14	Evaluating the stable isotopic composition of phosphate oxygen as a tracer of phosphorus from waste water treatment works. *Applied Geochemistry*, **2018**, 95, 139-146	3.5	9
13	Tryptophan-like and humic-like fluorophores are extracellular in groundwater: implications as real-time faecal indicators. *Scientific Reports*, **2020**, 10, 15379	4.9	9
12	Investigating high zircon concentrations in the fine fraction of stream sediments draining the Pan-African Dahomeyan Terrane in Nigeria. *Applied Geochemistry*, **2012**, 27, 1525-1539	3.5	8
11	Emerging organic contaminants in karst groundwater: A global level assessment. *Journal of Hydrology*, **2022**, 604, 127242	6	8
10	Landscape controls on riverine export of dissolved organic carbon from Great Britain. *Biogeochemistry*,1	3.8	8
9	Tryptophan-like fluorescence as a high-level screening tool for detecting microbial contamination in drinking water. *Science of the Total Environment*, **2021**, 750, 141284	10.2	7
8	Phosphorus fluxes to the environment from mains water leakage: Seasonality and future scenarios. *Science of the Total Environment*, **2018**, 636, 1321-1332	10.2	6
7	Transformation Products of Emerging Organic Compounds as Future Groundwater and Drinking Water Contaminants **2014**, 65-86		4

6	Quantifying the dynamics of sub-daily to seasonal hydrological interactions of Ganges river with groundwater in a densely populated city: Implications to vulnerability of drinking water sources. *Journal of Environmental Management*, **2021**, 288, 112384	7.9	3
5	Elevated uranium in drinking water sources in basement aquifers of southern India. *Applied Geochemistry*, **2021**, 133, 105092	3.5	3
4	Success Factors for Water Safety Plan Implementation in Small Drinking Water Supplies in Low- and Middle-Income Countries. *Resources*, **2020**, 9, 126	3.7	2
3	Contrasting Estuarine Processing of Dissolved Organic Matter Derived From Natural and Human-Impacted Landscapes. *Global Biogeochemical Cycles*, **2021**, 35, e2021GB007023	5.9	2
2	Geochemical signatures of stream sediments within the main geological domains and terranes of North and Central Madagascar. *Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science*, **2011**, 120, 97-110		1
1	Conversion of Forest to Agriculture Increases Colored Dissolved Organic Matter in a Subtropical Catchment and Adjacent Coastal Environment. *Journal of Geophysical Research G: Biogeosciences*, **2021**, 126, e2021JG006295	3.7	0