

# Sean D W Comber

## List of Publications by Citations

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70  
papers

1,209  
citations

19  
h-index

32  
g-index

71  
ext. papers

1,435  
ext. citations

7.1  
avg, IF

4.75  
L-index

#	Paper	IF	Citations
70	The significance of hazardous chemicals in wastewater treatment works effluents. <i>Science of the Total Environment</i> , <b>2012</b> , 437, 363-72	10.2	106
69	Performance of UK wastewater treatment works with respect to trace contaminants. <i>Science of the Total Environment</i> , <b>2013</b> , 456-457, 359-69	10.2	90
68	Diffuse sources of heavy metals entering an urban wastewater catchment. <i>Chemosphere</i> , <b>2006</b> , 63, 64-72.4	8.4	84
67	Active pharmaceutical ingredients entering the aquatic environment from wastewater treatment works: A cause for concern?. <i>Science of the Total Environment</i> , <b>2018</b> , 613-614, 538-547	10.2	69
66	Domestic source of phosphorus to sewage treatment works. <i>Environmental Technology (United Kingdom)</i> , <b>2013</b> , 34, 1349-58	2.6	62
65	Sources of priority substances entering an urban wastewater catchment--trace organic chemicals. <i>Chemosphere</i> , <b>2006</b> , 63, 581-91	8.4	60
64	Abandoned metal mines and their impact on receiving waters: A case study from Southwest England. <i>Chemosphere</i> , <b>2016</b> , 153, 294-306	8.4	48
63	Copper and zinc water quality standards under the EU Water Framework Directive: the use of a tiered approach to estimate the levels of failure. <i>Science of the Total Environment</i> , <b>2008</b> , 403, 12-22	10.2	38
62	The impact of natural and anthropogenic Dissolved Organic Carbon (DOC), and pH on the toxicity of triclosan to the crustacean <i>Gammarus pulex</i> (L.). <i>Science of the Total Environment</i> , <b>2016</b> , 565, 222-231	10.2	37
61	Pharmaceuticals in soils of lower income countries: Physico-chemical fate and risks from wastewater irrigation. <i>Environment International</i> , <b>2016</b> , 94, 712-723	12.9	36
60	Evaluation of combined sewer overflow impacts on short-term pharmaceutical and illicit drug occurrence in a heavily urbanised tidal river catchment (London, UK). <i>Science of the Total Environment</i> , <b>2019</b> , 657, 1099-1111	10.2	35
59	Development of a chemical source apportionment decision support framework for catchment management. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 9824-32	10.3	32
58	Heavy Metals Entering Sewage-Treatment Works from Domestic Sources. <i>Water and Environment Journal</i> , <b>1996</b> , 10, 137-142	1.7	32
57	Fingerprinting polychlorinated biphenyls in environmental samples using comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , <b>2013</b> , 1318, 276-83	4.5	29
56	The removal of pharmaceuticals during wastewater treatment: Can it be predicted accurately?. <i>Science of the Total Environment</i> , <b>2019</b> , 676, 222-230	10.2	26
55	Metals in boat paint fragments from slipways, repair facilities and abandoned vessels: an evaluation using field portable XRF. <i>Talanta</i> , <b>2015</b> , 131, 372-8	6.2	26
54	Metal contamination of sediment by paint peeling from abandoned boats, with particular reference to lead. <i>Science of the Total Environment</i> , <b>2014</b> , 494-495, 313-9	10.2	26

53	Restoring water quality in the polluted Turag-Tongi-Balu river system, Dhaka: Modelling nutrient and total coliform intervention strategies. <i>Science of the Total Environment</i> , <b>2018</b> , 631-632, 223-232	10.2	24
52	Characterization of the Nairobi River catchment impact zone and occurrence of pharmaceuticals: Implications for an impact zone inclusive environmental risk assessment. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 134925	10.2	20
51	Can polychlorinated biphenyl (PCB) signatures and enantiomer fractions be used for source identification and to age date occupational exposure?. <i>Environment International</i> , <b>2015</b> , 81, 56-63	12.9	19
50	Processes of distribution of pharmaceuticals in surface freshwaters: implications for risk assessment. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 1193-1216	13.3	18
49	Copper complexation in English Rivers. <i>Chemical Speciation and Bioavailability</i> , <b>2000</b> , 12, 1-8		18
48	Source apportionment of trace contaminants in urban sewer catchments. <i>Environmental Technology (United Kingdom)</i> , <b>2015</b> , 36, 573-87	2.6	17
47	Developmental toxicity of metaldehyde in the embryos of <i>Lymnaea stagnalis</i> (Gastropoda: Pulmonata) co-exposed to the synergist piperonyl butoxide. <i>Science of the Total Environment</i> , <b>2016</b> , 543, 37-43	10.2	15
46	Seasonal variation of contaminant concentrations in wastewater treatment works effluents and river waters. <i>Environmental Technology (United Kingdom)</i> , <b>2020</b> , 41, 2716-2730	2.6	14
45	Absence of Gradients and Nernstian Equilibrium Stripping (AGNES) for the determination of [Zn(2+)] in estuarine waters. <i>Analytica Chimica Acta</i> , <b>2016</b> , 912, 32-40	6.6	13
44	Phosphate treatment to reduce plumbosolvency of drinking water also reduces discharges of copper into environmental surface waters. <i>Water and Environment Journal</i> , <b>2011</b> , 25, 266-270	1.7	12
43	COVID-19, antibiotics and One Health: a UK environmental risk assessment. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2020</b> , 75, 3411-3412	5.1	12
42	Soil sterilisation methods for use in OECD 106: How effective are they?. <i>Chemosphere</i> , <b>2018</b> , 209, 61-67	8.4	12
41	Identifying the provenance of Leach's storm petrels in the North Atlantic using polychlorinated biphenyl signatures derived from comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry. <i>Chemosphere</i> , <b>2014</b> , 114, 195-202	8.4	11
40	. <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 275	3.8	11
39	Toxic metals in East African agro-ecosystems: Key risks for sustainable food production. <i>Journal of Environmental Management</i> , <b>2021</b> , 294, 112973	7.9	11
38	Predicting Copper Speciation in Estuarine Waters-Is Dissolved Organic Carbon a Good Proxy for the Presence of Organic Ligands?. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 2206-2216	10.3	10
37	Mixtures of tritiated water, zinc and dissolved organic carbon: Assessing interactive bioaccumulation and genotoxic effects in marine mussels, <i>Mytilus galloprovincialis</i> . <i>Journal of Environmental Radioactivity</i> , <b>2018</b> , 187, 133-143	2.4	10
36	Determining riverine sediment storage mechanisms of biologically reactive phosphorus in situ using DGT. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 9816-28	5.1	9

35	Sample Stability of Trace Priority Substances in Wastewater. <i>Analytical Letters</i> , <b>2012</b> , 45, 1686-1694	2.2	9
34	The pharmaceutical use of permethrin: sources and behavior during municipal sewage treatment. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2011</b> , 61, 193-201	3.2	9
33	Orthophosphate-P in the nutrient impacted River Taw and its catchment (SW England) between 1990 and 2013. <i>Environmental Sciences: Processes and Impacts</i> , <b>2016</b> , 18, 690-705	4.3	8
32	Temporal variation of copper and zinc complexation capacity in the Humber estuary. <i>Journal of Environmental Monitoring</i> , <b>2001</b> , 3, 322-3		8
31	Sorption of active pharmaceutical ingredients in untreated wastewater effluent and effect of dilution in freshwater: Implications for an "impact zone" environmental risk assessment approach. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 333-341	10.2	7
30	Determination of the forms and stability of phosphorus in wastewater effluent from a variety of treatment processes. <i>Journal of Environmental Chemical Engineering</i> , <b>2015</b> , 3, 2924-2930	6.8	6
29	Impact of the wastewater-mixing zone on attenuation of pharmaceuticals in natural waters: Implications for an impact zone inclusive environmental risk assessment. <i>Science of the Total Environment</i> , <b>2019</b> , 658, 42-50	10.2	5
28	The role of alkalinity in setting water quality metrics: phosphorus standards in United Kingdom rivers. <i>Environmental Sciences: Processes and Impacts</i> , <b>2018</b> , 20, 1361-1372	4.3	5
27	Determination and Prediction of Zinc Speciation in Estuaries. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 14245-14255	10.3	5
26	Changes to polychlorinated biphenyl (PCB) signatures and enantiomer fractions across different tissue types in Guillemots. <i>Marine Pollution Bulletin</i> , <b>2018</b> , 131, 174-179	6.7	5
25	The impact of tertiary wastewater treatment on copper and zinc complexation. <i>Environmental Technology (United Kingdom)</i> , <b>2015</b> , 36, 2863-71	2.6	4
24	An analysis of variable dissolution rates of sacrificial zinc anodes: a case study of the Hamble estuary, UK. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 21422-21433	5.1	4
23	Parameterization of pharmaceutical emissions and removal rates for use in UK predictive exposure models: steroid estrogens as a case study. <i>Environmental Sciences: Processes and Impacts</i> , <b>2014</b> , 16, 2571-9	4.3	4
22	Uptake, accumulation and impact of antiretroviral and antiviral pharmaceutical compounds in lettuce. <i>Science of the Total Environment</i> , <b>2021</b> , 766, 144499	10.2	4
21	Accumulation and bioconcentration of heavy metals in two phases from agricultural soil to plants in Usangu agroecosystem-Tanzania. <i>Heliyon</i> , <b>2021</b> , 7, e07514	3.6	4
20	Development of a chemical source apportionment decision support framework for lake catchment management. <i>Science of the Total Environment</i> , <b>2018</b> , 622-623, 96-105	10.2	3
19	Effects of iron dosing used for phosphorus removal at wastewater treatment works; impacts on forms of phosphorus discharged and secondary effects on concentrations and fate of other contaminants. <i>Science of the Total Environment</i> , <b>2021</b> , 767, 145434	10.2	3
18	Characterization of soil phosphate status, sorption and saturation in paddy wetlands in usangu basin-Tanzania. <i>Chemosphere</i> , <b>2021</b> , 278, 130466	8.4	3

17	The effect of wastewater effluent derived ligands on copper and zinc complexation. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 8363-8374	5.1	2
16	Spatial distribution of sediment phosphorus in a Ramsar wetland. <i>Science of the Total Environment</i> , <b>2021</b> , 765, 142749	10.2	2
15	The importance of over-the-counter-sales and product format in the environmental exposure assessment of active pharmaceutical ingredients. <i>Science of the Total Environment</i> , <b>2021</b> , 752, 141624	10.2	2
14	How does a country's developmental status affect ambient air quality with respect to particulate matter?. <i>International Journal of Environmental Science and Technology</i> , <b>2021</b> , 18, 3395	3.3	2
13	Soil fertility and land sustainability in Usangu Basin-Tanzania. <i>Heliyon</i> , <b>2021</b> , 7, e07745	3.6	2
12	Assessment of arsenic status and distribution in Usangu agro-ecosystem-Tanzania. <i>Journal of Environmental Management</i> , <b>2021</b> , 294, 113012	7.9	2
11	Metal pollutant pathways in cohesive coastal catchments: Influence of flocculation and biopolymers on partitioning and flux. <i>Science of the Total Environment</i> , <b>2021</b> , 795, 148800	10.2	2
10	Leisure craft sacrificial anodes as a source of zinc and cadmium to saline waters. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 158, 111433	6.7	1
9	Developing the OECD 106 fate testing protocol for active pharmaceuticals in soil. <i>Environmental Technology (United Kingdom)</i> , <b>2021</b> , 42, 2551-2561	2.6	1
8	The impact of diet on wastewater treatment works phosphorus loading.. <i>Environmental Technology (United Kingdom)</i> , <b>2022</b> , 1-40	2.6	1
7	Are sustainable drainage systems (SuDS) effective at retaining dissolved trace elements?. <i>Environmental Technology (United Kingdom)</i> , <b>2021</b> , 1-14	2.6	1
6	Modelling scenarios of environmental recovery after implementation of controls on emissions of persistent organic pollutants. <i>Environmental Sciences: Processes and Impacts</i> , <b>2020</b> , 22, 1865-1876	4.3	1
5	Perfluorinated alkyl substances: Sewage treatment and implications for receiving waters. <i>Science of the Total Environment</i> , <b>2021</b> , 791, 148391	10.2	1
4	Summary of data from the UKWIR chemical investigations programme and a comparison of data from the past ten years' monitoring of effluent quality.. <i>Science of the Total Environment</i> , <b>2022</b> , 832, 155041	10.2	1
3	Assessing Options for Remediation of Contaminated Mine Site Drainage Entering the River Teign, Southwest England. <i>Minerals (Basel, Switzerland)</i> , <b>2020</b> , 10, 721	2.4	0
2	Physico-chemical factors controlling the speciation of phosphorus in English and Welsh rivers. <i>Environmental Sciences: Processes and Impacts</i> , <b>2020</b> , 22, 1688-1697	4.3	
1	Land use patterns influence the distribution of potentially toxic elements in soils of the Usangu Basin, Tanzania. <i>Chemosphere</i> , <b>2021</b> , 284, 131410	8.4	