

# Sean D W Comber

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 impact of diet on wastewater treatment works phosphorus loading.. <i>Environmental Technology (United Kingdom)</i> , <b>2022</b> , 1-40   | 2.6  | 1         |
| 69 | 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         |
| 68 | 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         |
| 67 | 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         |
| 66 | 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         |
| 65 | 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         |
| 64 | 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         |
| 63 | Spatial distribution of sediment phosphorus in a Ramsar wetland. <i>Science of the Total Environment</i> , <b>2021</b> , 765, 142749  | 10.2 | 2         |
| 62 | 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         |
| 61 | 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         |
| 60 | Soil fertility and land sustainability in Usangu Basin-Tanzania. <i>Heliyon</i> , <b>2021</b> , 7, e07745   | 3.6  | 2         |
| 59 | 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         |
| 58 | 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         |
| 57 | 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        |
| 56 | 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         |
| 55 | 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         |
| 54 | 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  |           |

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|----|---|------|----|
| 53 | 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  |
| 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 | 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  |    |
| 50 | 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 |
| 49 | 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  |
| 48 | 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  |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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  |
| 43 | 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 |
| 42 | 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  |
| 41 | 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  |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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  |
| 36 | Determination and Prediction of Zinc Speciation in Estuaries. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 14245-14255   | 10.3 | 5  |

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|----|--|------|----|
| 35 | 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  |
| 34 | Soil sterilisation methods for use in OECD 106: How effective are they?. <i>Chemosphere</i> , <b>2018</b> , 209, 61-67   | 8.4  | 12 |
| 33 | 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 |
| 32 | 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  |
| 31 | 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  |
| 30 | 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  |
| 29 | 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 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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  |
| 23 | 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  |
| 22 | Source apportionment of trace contaminants in urban sewer catchments. <i>Environmental Technology (United Kingdom)</i> , <b>2015</b> , 36, 573-87  | 2.6  | 17 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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  |
| 18 | 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 |

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|----|--|------|-----|
| 17 | 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  |
| 16 | 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, 2571-2583   | 4.3  | 4   |
| 15 | Domestic source of phosphorus to sewage treatment works. <i>Environmental Technology (United Kingdom)</i> , <b>2013</b> , 34, 1349-58  | 2.6  | 62  |
| 14 | 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  |
| 13 | 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  |
| 12 | 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  |
| 11 | Sample Stability of Trace Priority Substances in Wastewater. <i>Analytical Letters</i> , <b>2012</b> , 45, 1686-1694   | 2.2  | 9   |
| 10 | 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 |
| 9  | 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  |
| 8  | 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   |
| 7  | 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  |
| 6  | Diffuse sources of heavy metals entering an urban wastewater catchment. <i>Chemosphere</i> , <b>2006</b> , 63, 64-72   | 2.4  | 84  |
| 5  | Sources of priority substances entering an urban wastewater catchment--trace organic chemicals. <i>Chemosphere</i> , <b>2006</b> , 63, 581-91  | 8.4  | 60  |
| 4  | . <i>Environmental Toxicology and Chemistry</i> , <b>2002</b> , 21, 275  | 3.8  | 11  |
| 3  | 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   |
| 2  | Copper complexation in English Rivers. <i>Chemical Speciation and Bioavailability</i> , <b>2000</b> , 12, 1-8  |      | 18  |
| 1  | Heavy Metals Entering Sewage-Treatment Works from Domestic Sources. <i>Water and Environment Journal</i> , <b>1996</b> , 10, 137-142   | 1.7  | 32  |