Sean D W Comber

List of Publications by Year
in descending order

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70 papers	1,680 citations	304368 22 h-index	315357 38 g-index
71 all docs	71 docs citations	71 times ranked	2225 citing authors

#	Article	IF	Citations
1	The significance of hazardous chemicals in wastewater treatment works effluents. Science of the Total Environment, 2012, 437, 363-372.	3.9	119
2	Diffuse sources of heavy metals entering an urban wastewater catchment. Chemosphere, 2006, 63, 64-72.	4.2	109
3	Performance of UK wastewater treatment works with respect to trace contaminants. Science of the Total Environment, 2013, 456-457, 359-369.	3.9	103
4	Active pharmaceutical ingredients entering the aquatic environment from wastewater treatment works: A cause for concern?. Science of the Total Environment, 2018, 613-614, 538-547.	3.9	101
5	Domestic source of phosphorus to sewage treatment works. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overloc	1.2	76
6	Sources of priority substances entering an urban wastewater catchmentâ€"trace organic chemicals. Chemosphere, 2006, 63, 581-591.	4.2	69
7	Abandoned metal mines and their impact on receiving waters: A case study from Southwest England. Chemosphere, 2016, 153, 294-306.	4.2	65
8	Evaluation of combined sewer overflow impacts on short-term pharmaceutical and illicit drug occurrence in a heavily urbanised tidal river catchment (London, UK). Science of the Total Environment, 2019, 657, 1099-1111.	3.9	61
9	The impact of natural and anthropogenic Dissolved Organic Carbon (DOC), and pH on the toxicity of triclosan to the crustacean Gammarus pulex (L.). Science of the Total Environment, 2016, 565, 222-231.	3.9	51
10	Heavy Metals Entering Sewageâ€Treatment Works from Domestic Sources. Water and Environment Journal, 1996, 10, 137-142.	1.0	47
11	Pharmaceuticals in soils of lower income countries: Physico-chemical fate and risks from wastewater irrigation. Environment International, 2016, 94, 712-723.	4.8	45
12	Restoring water quality in the polluted Turag-Tongi-Balu river system, Dhaka: Modelling nutrient and total coliform intervention strategies. Science of the Total Environment, 2018, 631-632, 223-232.	3.9	42
13	The removal of pharmaceuticals during wastewater treatment: Can it be predicted accurately?. Science of the Total Environment, 2019, 676, 222-230.	3.9	42
14	Copper and zinc water quality standards under the EU Water Framework Directive: The use of a tiered approach to estimate the levels of failure. Science of the Total Environment, 2008, 403, 12-22.	3.9	41
15	Development of a Chemical Source Apportionment Decision Support Framework for Catchment Management. Environmental Science & Technology, 2013, 47, 9824-9832.	4.6	41
16	Characterization of the Nairobi River catchment impact zone and occurrence of pharmaceuticals: Implications for an impact zone inclusive environmental risk assessment. Science of the Total Environment, 2020, 703, 134925.	3.9	41
17	Metal contamination of sediment by paint peeling from abandoned boats, with particular reference to lead. Science of the Total Environment, 2014, 494-495, 313-319.	3.9	38
18	Metals in boat paint fragments from slipways, repair facilities and abandoned vessels: An evaluation using field portable XRF. Talanta, 2015, 131, 372-378.	2.9	32

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19	Fingerprinting polychlorinated biphenyls in environmental samples using comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry. Journal of Chromatography A, 2013, 1318, 276-283.	1.8	31
20	Toxic metals in East African agro-ecosystems: Key risks for sustainable food production. Journal of Environmental Management, 2021, 294, 112973.	3.8	31
21	Source apportionment of trace contaminants in urban sewer catchments. Environmental Technology (United Kingdom), 2015, 36, 573-587.	1.2	24
22	Seasonal variation of contaminant concentrations in wastewater treatment works effluents and river waters. Environmental Technology (United Kingdom), 2020, 41, 2716-2730.	1.2	24
23	Can polychlorinated biphenyl (PCB) signatures and enantiomer fractions be used for source identification and to age date occupational exposure?. Environment International, 2015, 81, 56-63.	4.8	23
24	Processes of distribution of pharmaceuticals in surface freshwaters: implications for risk assessment. Environmental Chemistry Letters, 2018, 16, 1193-1216.	8.3	22
25	COVID-19, antibiotics and One Health: a UK environmental risk assessment. Journal of Antimicrobial Chemotherapy, 2020, 75, 3411-3412.	1.3	20
26	Copper complexation in English Rivers. Chemical Speciation and Bioavailability, 2000, 12, 1-8.	2.0	19
27	Soil sterilisation methods for use in OECD 106: How effective are they?. Chemosphere, 2018, 209, 61-67.	4.2	18
28	Developmental toxicity of metaldehyde in the embryos of Lymnaea stagnalis (Gastropoda: Pulmonata) co-exposed to the synergist piperonyl butoxide. Science of the Total Environment, 2016, 543, 37-43.	3.9	17
29	Mixtures of tritiated water, zinc and dissolved organic carbon: Assessing interactive bioaccumulation and genotoxic effects in marine mussels, Mytilus galloprovincialis. Journal of Environmental Radioactivity, 2018, 187, 133-143.	0.9	17
30	Uptake, accumulation and impact of antiretroviral and antiviral pharmaceutical compounds in lettuce. Science of the Total Environment, 2021, 766, 144499.	3.9	16
31	Phosphate treatment to reduce plumbosolvency of drinking water also reduces discharges of copper into environmental surface waters. Water and Environment Journal, 2011, 25, 266-270.	1.0	15
32	Determining riverine sediment storage mechanisms of biologically reactive phosphorus in situ using DGT. Environmental Science and Pollution Research, 2015, 22, 9816-9828.	2.7	15
33	Predicting Copper Speciation in Estuarine Watersâ€"Is Dissolved Organic Carbon a Good Proxy for the Presence of Organic Ligands?. Environmental Science & Technology, 2017, 51, 2206-2216.	4.6	15
34	Accumulation and bioconcentration of heavy metals in two phases from agricultural soil to plants in Usangu agroecosystem-Tanzania. Heliyon, 2021, 7, e07514.	1.4	15
35	Identifying the provenance of Leachâ€™s storm petrels in the North Atlantic using polychlorinated biphenyl signatures derived from comprehensive two-dimensional gas chromatography with time-of-flight mass spectrometry. Chemosphere, 2014, 114, 195-202.	4.2	14
36	Absence of Gradients and Nernstian Equilibrium Stripping (AGNES) for the determination of [Zn2+] in estuarine waters. Analytica Chimica Acta, 2016, 912, 32-40.	2.6	14

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37	Spatial distribution of sediment phosphorus in a Ramsar wetland. Science of the Total Environment, 2021, 765, 142749.	3.9	13
38	The Pharmaceutical Use of Permethrin: Sources and Behavior During Municipal Sewage Treatment. Archives of Environmental Contamination and Toxicology, 2011, 61, 193-201.	2.1	12
39	Soil fertility and land sustainability in Usangu Basin-Tanzania. Heliyon, 2021, 7, e07745.	1.4	11
40	SPECIATION OF COPPER IN SEWAGE EFFLUENTS AND ITS TOXICITY TO DAPHNIA MAGNA. Environmental Toxicology and Chemistry, 2002, 21, 275.	2.2	11
41	Temporal variation of copper and zinc complexation capacity in the Humber estuary. Journal of Environmental Monitoring, 2001, 3, 322-323.	2.1	10
42	Sorption of active pharmaceutical ingredients in untreated wastewater effluent and effect of dilution in freshwater: Implications for an â€œimpact zoneâ€•environmental risk assessment approach. Science of the Total Environment, 2018, 624, 333-341.	3.9	10
43	The role of alkalinity in setting water quality metrics: phosphorus standards in United Kingdom rivers. Environmental Sciences: Processes and Impacts, 2018, 20, 1361-1372.	1.7	10
44	Sample Stability of Trace Priority Substances in Wastewater. Analytical Letters, 2012, 45, 1686-1694.	1.0	9
45	Determination of the forms and stability of phosphorus in wastewater effluent from a variety of treatment processes. Journal of Environmental Chemical Engineering, 2015, 3, 2924-2930.	3.3	9
46	Orthophosphate-P in the nutrient impacted River Taw and its catchment (SW England) between 1990 and 2013. Environmental Sciences: Processes and Impacts, 2016, 18, 690-705.	1.7	9
47	The effect of wastewater effluent derived ligands on copper and zinc complexation. Environmental Science and Pollution Research, 2017, 24, 8363-8374.	2.7	9
48	Development of a chemical source apportionment decision support framework for lake catchment management. Science of the Total Environment, 2018, 622-623, 96-105.	3.9	8
49	Impact of the wastewater-mixing zone on attenuation of pharmaceuticals in natural waters: Implications for an impact zone inclusive environmental risk assessment. Science of the Total Environment, 2019, 658, 42-50.	3.9	8
50	Characterization of soil phosphate status, sorption and saturation in paddy wetlands in usangu basin-Tanzania. Chemosphere, 2021, 278, 130466.	4.2	8
51	Metal pollutant pathways in cohesive coastal catchments: Influence of flocculation and biopolymers on partitioning and flux. Science of the Total Environment, 2021, 795, 148800.	3.9	8
52	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. Science of the Total Environment, 2021, 767, 145434.	3.9	7
53	Determination and Prediction of Zinc Speciation in Estuaries. Environmental Science & Technology, 2018, 52, 14245-14255.	4.6	6
54	Changes to polychlorinated biphenyl (PCB) signatures and enantiomer fractions across different tissue types in Guillemots. Marine Pollution Bulletin, 2018, 131, 174-179.	2.3	6

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55	Parameterization of pharmaceutical emissions and removal rates for use in UK predictive exposure models: steroid estrogens as a case study. Environmental Sciences: Processes and Impacts, 2014, 16, 2571-2579.	1.7	5
56	An analysis of variable dissolution rates of sacrificial zinc anodes: a case study of the Hamble estuary, UK. Environmental Science and Pollution Research, 2017, 24, 21422-21433.	2.7	5
57	How does a countryâ€™s developmental status affect ambient air quality with respect to particulate matter?. International Journal of Environmental Science and Technology, 2021, 18, 3395-3406.	1.8	5
58	The impact of tertiary wastewater treatment on copper and zinc complexation. Environmental Technology (United Kingdom), 2015, 36, 2863-2871.	1.2	4
59	The importance of over-the-counter-sales and product format in the environmental exposure assessment of active pharmaceutical ingredients. Science of the Total Environment, 2021, 752, 141624.	3.9	4
60	Assessing Options for Remediation of Contaminated Mine Site Drainage Entering the River Teign, Southwest England. Minerals (Basel, Switzerland), 2020, 10, 721.	0.8	3
61	Leisure craft sacrificial anodes as a source of zinc and cadmium to saline waters. Marine Pollution Bulletin, 2020, 158, 111433.	2.3	3
62	Modelling scenarios of environmental recovery after implementation of controls on emissions of persistent organic pollutants. Environmental Sciences: Processes and Impacts, 2020, 22, 1865-1876.	1.7	2
63	Developing the OECD 106 fate testing protocol for active pharmaceuticals in soil. Environmental Technology (United Kingdom), 2020, 42, 1-11.	1.2	2
64	Assessment of arsenic status and distribution in Usangu agro-ecosystem-Tanzania. Journal of Environmental Management, 2021, 294, 113012.	3.8	2
65	Perfluorinated alkyl substances: Sewage treatment and implications for receiving waters. Science of the Total Environment, 2021, 791, 148391.	3.9	2
66	The impact of diet on wastewater treatment works phosphorus loading. Environmental Technology (United Kingdom), 2022, , 1-12.	1.2	2
67	Summary of data from the UKWIR chemical investigations programme and a comparison of data from the past ten years' monitoring of effluent quality. Science of the Total Environment, 2022, 832, 155041.	3.9	2
68	Physico-chemical factors controlling the speciation of phosphorus in English and Welsh rivers. Environmental Sciences: Processes and Impacts, 2020, 22, 1688-1697.	1.7	1
69	Are sustainable drainage systems (SuDS) effective at retaining dissolved trace elements?. Environmental Technology (United Kingdom), 2023, 44, 1450-1463.	1.2	1
70	Land use patterns influence the distribution of potentially toxic elements in soils of the Usangu Basin, Tanzania. Chemosphere, 2021, 284, 131410.	4.2	0