

Ashantha Goonetilleke

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6598497/ashantha-goonetilleke-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

245
papers

7,031
citations

43
h-index

72
g-index

261
ext. papers

8,545
ext. citations

6.5
avg, IF

6.68
L-index

#	Paper	IF	Citations
245	Treatment technologies for emerging contaminants in water: A review. <i>Chemical Engineering Journal</i> , 2017 , 323, 361-380	14.7	543
244	Understanding the role of land use in urban stormwater quality management. <i>Journal of Environmental Management</i> , 2005 , 74, 31-42	7.9	214
243	Source characterisation of road dust based on chemical and mineralogical composition. <i>Chemosphere</i> , 2012 , 87, 163-70	8.4	206
242	Comparison of pollution indices for the assessment of heavy metal in Brisbane River sediment. <i>Environmental Pollution</i> , 2016 , 219, 1077-1091	9.3	186
241	Analysis of heavy metals in road-deposited sediments. <i>Analytica Chimica Acta</i> , 2006 , 571, 270-8	6.6	174
240	Mathematical interpretation of pollutant wash-off from urban road surfaces using simulated rainfall. <i>Water Research</i> , 2007 , 41, 3025-31	12.5	153
239	Development of a hybrid pollution index for heavy metals in marine and estuarine sediments. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 306	3.1	146
238	Understanding heavy metal and suspended solids relationships in urban stormwater using simulated rainfall. <i>Journal of Environmental Management</i> , 2005 , 76, 149-58	7.9	140
237	Real-time PCR detection of pathogenic microorganisms in roof-harvested rainwater in Southeast Queensland, Australia. <i>Applied and Environmental Microbiology</i> , 2008 , 74, 5490-6	4.8	121
236	Atmospheric deposition as a source of heavy metals in urban stormwater. <i>Atmospheric Environment</i> , 2013 , 68, 235-242	5.3	119
235	Understanding the physical processes of pollutant build-up and wash-off on roof surfaces. <i>Science of the Total Environment</i> , 2009 , 407, 1834-41	10.2	108
234	Role of particle size and composition in metal adsorption by solids deposited on urban road surfaces. <i>Environmental Pollution</i> , 2014 , 184, 44-53	9.3	106
233	Health risk from the use of roof-harvested rainwater in Southeast Queensland, Australia, as potable or nonpotable water, determined using quantitative microbial risk assessment. <i>Applied and Environmental Microbiology</i> , 2010 , 76, 7382-91	4.8	105
232	Human health risk assessment of heavy metals in urban stormwater. <i>Science of the Total Environment</i> , 2016 , 557-558, 764-72	10.2	105
231	Influence of rainfall and catchment characteristics on urban stormwater quality. <i>Science of the Total Environment</i> , 2013 , 444, 255-62	10.2	91
230	Performance characterisation of a stormwater treatment bioretention basin. <i>Journal of Environmental Management</i> , 2015 , 150, 173-178	7.9	89
229	Abundance, distribution patterns, and identification of microplastics in Brisbane River sediments, Australia. <i>Science of the Total Environment</i> , 2020 , 700, 134467	10.2	83

228	Potential bioavailability assessment, source apportionment and ecological risk of heavy metals in the sediment of Brisbane River estuary, Australia. <i>Marine Pollution Bulletin</i> , 2017 , 117, 523-531	6.7	81
227	Enrichment, distribution and sources of heavy metals in the sediments of Deception Bay, Queensland, Australia. <i>Marine Pollution Bulletin</i> , 2014 , 81, 248-55	6.7	80
226	Prevalence and occurrence of zoonotic bacterial pathogens in surface waters determined by quantitative PCR. <i>Water Research</i> , 2009 , 43, 4918-28	12.5	79
225	Role of traffic in atmospheric accumulation of heavy metals and polycyclic aromatic hydrocarbons. <i>Atmospheric Environment</i> , 2012 , 54, 502-510	5.3	69
224	Impacts of traffic and rainfall characteristics on heavy metals build-up and wash-off from urban roads. <i>Environmental Science & Technology</i> , 2010 , 44, 8904-10	10.3	68
223	Source apportionment and risk assessment of PAHs in Brisbane River sediment, Australia. <i>Ecological Indicators</i> , 2017 , 73, 784-799	5.8	66
222	An inclusive and adaptive framework for measuring social resilience to disasters. <i>International Journal of Disaster Risk Reduction</i> , 2018 , 28, 862-873	4.5	64
221	A critical review of social resilience assessment frameworks in disaster management. <i>International Journal of Disaster Risk Reduction</i> , 2019 , 35, 101096	4.5	60
220	Use of physicochemical signatures to assess the sources of metals in urban road dust. <i>Science of the Total Environment</i> , 2016 , 541, 1303-1309	10.2	60
219	Characterising metal build-up on urban road surfaces. <i>Environmental Pollution</i> , 2013 , 176, 87-91	9.3	60
218	Human and bovine adenoviruses for the detection of source-specific fecal pollution in coastal waters in Australia. <i>Water Research</i> , 2010 , 44, 4662-73	12.5	56
217	Geochemical phase and particle size relationships of metals in urban road dust. <i>Environmental Pollution</i> , 2017 , 230, 218-226	9.3	55
216	Use of chemometrics methods and multicriteria decision-making for site selection for sustainable on-site sewage effluent disposal. <i>Analytica Chimica Acta</i> , 2004 , 506, 41-56	6.6	55
215	Can volunteer crowdsourcing reduce disaster risk? A systematic review of the literature. <i>International Journal of Disaster Risk Reduction</i> , 2019 , 35, 101097	4.5	54
214	Implications of faecal indicator bacteria for the microbiological assessment of roof-harvested rainwater quality in southeast Queensland, Australia. <i>Canadian Journal of Microbiology</i> , 2010 , 56, 471-9	3.2	54
213	Comparison of molecular markers to detect fresh sewage in environmental waters. <i>Water Research</i> , 2009 , 43, 4908-17	12.5	54
212	Assessment of ecological and human health risks of metals in urban road dust based on geochemical fractionation and potential bioavailability. <i>Science of the Total Environment</i> , 2018 , 635, 1609-1619	19.2	53
211	Characterising nutrients wash-off for effective urban stormwater treatment design. <i>Journal of Environmental Management</i> , 2013 , 120, 61-7	7.9	51

210	Evaluation of multiple sewage-associated Bacteroides PCR markers for sewage pollution tracking. <i>Water Research</i> , 2009 , 43, 4872-7	12.5	51
209	Determining disaster severity through social media analysis: Testing the methodology with South East Queensland Flood tweets. <i>International Journal of Disaster Risk Reduction</i> , 2020 , 42, 101360	4.5	49
208	Quantitative assessment of human health risk posed by polycyclic aromatic hydrocarbons in urban road dust. <i>Science of the Total Environment</i> , 2017 , 575, 895-904	10.2	48
207	Biochar-supported nanomaterials for environmental applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 78, 21-33	6.3	47
206	Analysis of build-up of heavy metals and volatile organics on urban roads in gold coast, Australia. <i>Water Science and Technology</i> , 2011 , 63, 2077-85	2.2	47
205	Adsorption and mobility of metals in build-up on road surfaces. <i>Chemosphere</i> , 2015 , 119, 1391-1398	8.4	46
204	Taxonomy of factors which influence heavy metal build-up on urban road surfaces. <i>Journal of Hazardous Materials</i> , 2016 , 310, 20-9	12.8	46
203	Role of Solids in Heavy Metals Buildup on Urban Road Surfaces. <i>Journal of Environmental Engineering, ASCE</i> , 2012 , 138, 490-498	2	44
202	Process variability of pollutant build-up on urban road surfaces. <i>Science of the Total Environment</i> , 2015 , 518-519, 434-40	10.2	43
201	Influential factors on microplastics occurrence in river sediments. <i>Science of the Total Environment</i> , 2020 , 738, 139901	10.2	42
200	Quantitative PCR assay of sewage-associated Bacteroides markers to assess sewage pollution in an urban lake in Dhaka, Bangladesh. <i>Canadian Journal of Microbiology</i> , 2010 , 56, 838-45	3.2	42
199	Evaluating sewage-associated JCV and BKV polyomaviruses for sourcing human fecal pollution in a coastal river in Southeast Queensland, Australia. <i>Journal of Environmental Quality</i> , 2010 , 39, 1743-50	3.4	41
198	Evaluating the relationship between temporal changes in land use and resulting water quality. <i>Environmental Pollution</i> , 2018 , 234, 480-486	9.3	40
197	Understanding the uncertainty associated with particle-bound pollutant build-up and wash-off: A critical review. <i>Water Research</i> , 2016 , 101, 582-596	12.5	39
196	Influence of pollutant build-up on variability in wash-off from urban road surfaces. <i>Science of the Total Environment</i> , 2015 , 527-528, 344-50	10.2	39
195	Temporal trends and bioavailability assessment of heavy metals in the sediments of Deception Bay, Queensland, Australia. <i>Marine Pollution Bulletin</i> , 2014 , 89, 464-472	6.7	39
194	Mathematical relationships for metal build-up on urban road surfaces based on traffic and land use characteristics. <i>Chemosphere</i> , 2014 , 99, 267-71	8.4	38
193	Health risk assessment of heavy metals in atmospheric deposition in a congested city environment in a developing country: Kandy City, Sri Lanka. <i>Journal of Environmental Management</i> , 2018 , 220, 198-206	7.9	38

192	Inadequacy of Land Use and Impervious Area Fraction for Determining Urban Stormwater Quality. <i>Water Resources Management</i> , 2012 , 26, 2259-2265	3.7	37
191	Evaluation of pollutant build-up and wash-off from selected land uses at the Port of Brisbane, Australia. <i>Marine Pollution Bulletin</i> , 2009 , 58, 213-21	6.7	36
190	Detection and source identification of faecal pollution in non-sewered catchment by means of host-specific molecular markers. <i>Water Science and Technology</i> , 2008 , 58, 579-86	2.2	36
189	An Investigation into the role of site and soil characteristics in onsite sewage treatment. <i>Environmental Geology</i> , 2003 , 44, 467-477		34
188	The synergistic effect of ultrasound power and magnetite incorporation on the sorption/desorption behavior of Cr(VI) and As(V) oxoanions in an aqueous system. <i>Journal of Colloid and Interface Science</i> , 2020 , 569, 76-88	9.3	33
187	Inherent errors in pollutant build-up estimation in considering urban land use as a lumped parameter. <i>Journal of Environmental Quality</i> , 2012 , 41, 1690-4	3.4	33
186	Determination of a set of surrogate parameters to assess urban stormwater quality. <i>Science of the Total Environment</i> , 2010 , 408, 6251-9	10.2	33
185	Sources and transport pathways of common heavy metals to urban road surfaces. <i>Ecological Engineering</i> , 2015 , 77, 98-102	3.9	32
184	Microorganisms and heavy metals associated with atmospheric deposition in a congested urban environment of a developing country: Sri Lanka. <i>Science of the Total Environment</i> , 2017 , 584-585, 803-812	10.2	31
183	Assessment and management of human health risk from toxic metals and polycyclic aromatic hydrocarbons in urban stormwater arising from anthropogenic activities and traffic congestion. <i>Science of the Total Environment</i> , 2017 , 579, 202-211	10.2	31
182	Influence of Physical and Chemical Parameters on the Treatment of Heavy Metals in Polluted Stormwater Using Zeolite: A Review. <i>Journal of Water Resource and Protection</i> , 2011 , 03, 758-767	0.7	31
181	How engaging are disaster management related social media channels? The case of Australian state emergency organisations. <i>International Journal of Disaster Risk Reduction</i> , 2020 , 48, 101571	4.5	31
180	Heavy metals transport pathways: The importance of atmospheric pollution contributing to stormwater pollution. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 164, 696-703	7	31
179	Faecal pollution source identification in an urbanizing catchment using antibiotic resistance profiling, discriminant analysis and partial least squares regression. <i>Water Research</i> , 2009 , 43, 1237-46	12.5	30
178	Role of organic matter in framboidal pyrite oxidation. <i>Science of the Total Environment</i> , 2006 , 367, 847-54	0.2	30
177	Distribution of PBDEs, HBCDs and PCBs in the Brisbane River estuary sediment. <i>Marine Pollution Bulletin</i> , 2017 , 120, 165-173	6.7	29
176	Assessing the significance of climate and community factors on urban water demand. <i>International Journal of Sustainable Built Environment</i> , 2015 , 4, 222-230		29
175	Taxonomy for rainfall events based on pollutant wash-off potential in urban areas. <i>Ecological Engineering</i> , 2012 , 47, 110-114	3.9	29

174	Prediction model of the buildup of volatile organic compounds on urban roads. <i>Environmental Science & Technology</i> , 2011 , 45, 4453-9	10.3	29
173	Understanding nutrient build-up on urban road surfaces. <i>Journal of Environmental Sciences</i> , 2010 , 22, 806-12	6.4	29
172	Framework for soil suitability evaluation for sewage effluent renovation. <i>Environmental Geology</i> , 2004 , 46, 195		29
171	Integrated risk framework for onsite wastewater treatment systems. <i>Environmental Management</i> , 2006 , 38, 286-303	3.1	28
170	Sourcing faecal pollution from onsite wastewater treatment systems in surface waters using antibiotic resistance analysis. <i>Journal of Applied Microbiology</i> , 2005 , 99, 471-82	4.7	28
169	Distribution of polycyclic aromatic hydrocarbons in urban stormwater in Queensland, Australia. <i>Environmental Pollution</i> , 2010 , 158, 2848-56	9.3	27
168	Transformation and degradation of polycyclic aromatic hydrocarbons (PAHs) in urban road surfaces: Influential factors, implications and recommendations. <i>Environmental Pollution</i> , 2020 , 257, 113510	8.3	27
167	Engineered technologies for the separation and degradation of microplastics in water: A review. <i>Chemical Engineering Journal</i> , 2021 , 414, 128692	14.7	27
166	Disaster awareness and information seeking behaviour among residents from low socio-economic backgrounds. <i>International Journal of Disaster Risk Reduction</i> , 2018 , 31, 1121-1131	4.5	27
165	Assessing uncertainty in pollutant build-up and wash-off processes. <i>Environmental Pollution</i> , 2016 , 212, 48-56	9.3	26
164	Role of Land Use and Seasonal Factors in Water Quality Degradations. <i>Water Resources Management</i> , 2013 , 27, 3433-3440	3.7	26
163	Analysis of the build-up of semi and non volatile organic compounds on urban roads. <i>Water Research</i> , 2011 , 45, 2835-44	12.5	26
162	Determination of Surrogate Indicators for Phosphorus and Solids in Urban Stormwater: Application of Multivariate Data Analysis Techniques. <i>Water, Air, and Soil Pollution</i> , 2007 , 182, 149-161	2.6	26
161	Rainfall Simulation as a Tool for Urban Water Quality Research. <i>Environmental Engineering Science</i> , 2005 , 22, 378-383	2	26
160	Nutrients and metals interactions between water and sediment phases: An urban river case study. <i>Environmental Pollution</i> , 2019 , 251, 354-362	9.3	25
159	Time as the critical factor in the investigation of the relationship between pollutant wash-off and rainfall characteristics. <i>Ecological Engineering</i> , 2014 , 64, 301-305	3.9	25
158	Taxonomy of influential factors for predicting pollutant first flush in urban stormwater runoff. <i>Water Research</i> , 2019 , 166, 115075	12.5	24
157	Influence of uncertainty inherent to heavy metal build-up and wash-off on stormwater quality. <i>Water Research</i> , 2016 , 91, 264-76	12.5	24

156	Optimization of in-cell accelerated solvent extraction technique for the determination of organochlorine pesticides in river sediments. <i>Talanta</i> , 2016 , 150, 278-85	6.2	24
155	Catchment scale assessment of risk posed by traffic generated heavy metals and polycyclic aromatic hydrocarbons. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 144, 593-600	7	24
154	Ranking the factors influencing polycyclic aromatic hydrocarbons (PAHs) build-up on urban roads. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 139, 416-422	7	23
153	Quantifying the influence of surface physico-chemical properties of biosorbents on heavy metal adsorption. <i>Chemosphere</i> , 2019 , 234, 488-495	8.4	23
152	Variability and uncertainty of particle build-up on urban road surfaces. <i>Science of the Total Environment</i> , 2018 , 640-641, 1432-1437	10.2	23
151	Sectional analysis of the pollutant wash-off process based on runoff hydrograph. <i>Journal of Environmental Management</i> , 2014 , 134, 63-9	7.9	23
150	Stormwater reuse, a viable option: Fact or fiction?. <i>Economic Analysis and Policy</i> , 2017 , 56, 14-17	3.8	23
149	Understanding road surface pollutant wash-off and underlying physical processes using simulated rainfall. <i>Water Science and Technology</i> , 2008 , 57, 1241-6	2.2	23
148	Influence of surface hydrophobicity/hydrophilicity of biochar on the removal of emerging contaminants. <i>Chemical Engineering Journal</i> , 2020 , 402, 126277	14.7	23
147	Incorporating process variability into stormwater quality modelling. <i>Science of the Total Environment</i> , 2015 , 533, 454-61	10.2	22
146	Adsorption of heavy metals by road deposited solids. <i>Water Science and Technology</i> , 2013 , 67, 2622-9	2.2	22
145	A new fuzzy multicriteria evaluation method for group site selection in GIS. <i>Journal of Multi-Criteria Decision Analysis</i> , 2003 , 12, 337-347	1.9	22
144	Comparison of partial extraction reagents for assessing potential bioavailability of heavy metals in sediments. <i>Marine Pollution Bulletin</i> , 2016 , 106, 329-34	6.7	22
143	Hierarchy of factors which influence polycyclic aromatic hydrocarbons (PAHs) distribution in river sediments. <i>Environmental Pollution</i> , 2017 , 223, 81-89	9.3	21
142	Uncertainty analysis of pollutant build-up modelling based on a Bayesian weighted least squares approach. <i>Science of the Total Environment</i> , 2013 , 449, 410-7	10.2	21
141	Assessment via discriminant analysis of soil suitability for effluent renovation using undisturbed soil columns. <i>Geoderma</i> , 2006 , 131, 201-217	6.7	21
140	Impacts of COVID-19 pandemic on the wastewater pathway into surface water: A review. <i>Science of the Total Environment</i> , 2021 , 774, 145586	10.2	21
139	Selecting rainfall events for effective Water Sensitive Urban Design: A case study in Gold Coast City, Australia. <i>Ecological Engineering</i> , 2016 , 92, 67-72	3.9	21

138	Physico-chemical properties of sediments governing the bioavailability of heavy metals in urban waterways. <i>Science of the Total Environment</i> , 2021 , 763, 142984	10.2	21
137	Intrinsic and extrinsic factors which influence metal adsorption to road dust. <i>Science of the Total Environment</i> , 2018 , 618, 236-242	10.2	21
136	Use of surrogate indicators for the evaluation of potential health risks due to poor urban water quality: A Bayesian Network approach. <i>Environmental Pollution</i> , 2018 , 233, 655-661	9.3	21
135	Water-sediment interactions and mobility of heavy metals in aquatic environments. <i>Water Research</i> , 2021 , 202, 117386	12.5	21
134	Quantitative assessment of resilience of a water supply system under rainfall reduction due to climate change. <i>Journal of Hydrology</i> , 2016 , 540, 1043-1052	6	20
133	Influence of land use configurations on river sediment pollution. <i>Environmental Pollution</i> , 2017 , 229, 639-646	9.3	20
132	Dispersal and transport of microplastics in river sediments. <i>Environmental Pollution</i> , 2021 , 279, 116884	9.3	20
131	Solubilization and degradation of polychlorinated biphenyls (PCBs) by naturally occurring facultative anaerobic bacteria. <i>Science of the Total Environment</i> , 2019 , 651, 2197-2207	10.2	19
130	Influence of traffic characteristics on polycyclic aromatic hydrocarbon build-up on urban road surfaces. <i>International Journal of Environmental Science and Technology</i> , 2014 , 11, 2329-2336	3.3	18
129	Assessing uncertainty in stormwater quality modelling. <i>Water Research</i> , 2016 , 103, 10-20	12.5	18
128	Application of quantitative structure-activity relationship (QSAR) model in comprehensive human health risk assessment of PAHs, and alkyl-, nitro-, carbonyl-, and hydroxyl-PAHs laden in urban road dust. <i>Journal of Hazardous Materials</i> , 2020 , 383, 121154	12.8	18
127	Adsorption-desorption behavior of heavy metals in aquatic environments: Influence of sediment, water and metal ionic properties. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126743	12.8	18
126	Determination of refractive and volatile elements in sediment using laser ablation inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2015 , 898, 19-27	6.6	17
125	Pharmaceuticals, personal care products, food additive and pesticides in surface waters from three Australian east coast estuaries (Sydney, Yarra and Brisbane). <i>Marine Pollution Bulletin</i> , 2020 , 153, 111014	6.7	17
124	Role of residence time on the transformation of Zn, Cu, Pb and Cd attached to road dust in different land uses. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 153, 195-203	7	17
123	Behaviour of metals in an urban river and the pollution of estuarine environment. <i>Water Research</i> , 2019 , 164, 114911	12.5	17
122	Effective degradation of polychlorinated biphenyls by a facultative anaerobic bacterial consortium using alternating anaerobic aerobic treatments. <i>Science of the Total Environment</i> , 2019 , 659, 507-514	10.2	17
121	Influence of microplastics on nutrients and metal concentrations in river sediments. <i>Environmental Pollution</i> , 2020 , 263, 114490	9.3	16

120	Impact of global warming on urban stormwater quality: From the perspective of an alternative water resource. <i>Journal of Cleaner Production</i> , 2020 , 262, 121330	10.3	16
119	Linking source characterisation and human health risk assessment of metals to rainfall characteristics. <i>Environmental Pollution</i> , 2018 , 238, 866-873	9.3	16
118	Influence of traffic on build-up of polycyclic aromatic hydrocarbons on urban road surfaces: A Bayesian network modelling approach. <i>Environmental Pollution</i> , 2018 , 237, 767-774	9.3	16
117	Understanding re-distribution of road deposited particle-bound pollutants using a Bayesian Network (BN) approach. <i>Journal of Hazardous Materials</i> , 2018 , 355, 56-64	12.8	16
116	Fecal indicators and bacterial pathogens in bottled water from Dhaka, Bangladesh. <i>Brazilian Journal of Microbiology</i> , 2013 , 44, 97-103	2.2	16
115	Assessment of high density of onsite wastewater treatment systems on a shallow groundwater coastal aquifer using PCA. <i>Environmetrics</i> , 2005 , 16, 257-274	1.3	16
114	Assessing mercury pollution in Amazon River tributaries using a Bayesian Network approach. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 166, 354-358	7	16
113	Sources of hydrocarbons in urban road dust: Identification, quantification and prediction. <i>Environmental Pollution</i> , 2016 , 216, 80-85	9.3	15
112	Build-up of toxic metals on the impervious surfaces of a commercial seaport. <i>Ecotoxicology and Environmental Safety</i> , 2016 , 127, 193-8	7	15
111	Engaging residents from different ethnic and language backgrounds in disaster preparedness. <i>International Journal of Disaster Risk Reduction</i> , 2019 , 39, 101245	4.5	15
110	Sectional analysis of stormwater treatment performance of a constructed wetland. <i>Ecological Engineering</i> , 2015 , 77, 172-179	3.9	15
109	Re-thinking classical mechanistic model for pollutant build-up on urban impervious surfaces. <i>Science of the Total Environment</i> , 2019 , 651, 114-121	10.2	15
108	Population similarity analysis of indicator bacteria for source prediction of faecal pollution in a coastal lake. <i>Marine Pollution Bulletin</i> , 2008 , 56, 1469-75	6.7	14
107	Sustainable Urban Water Environment 2014 ,		14
106	Assessing the effect of surface hydrophobicity/hydrophilicity on pollutant leaching potential of biochar in water treatment. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 89, 222-232	6.3	13
105	Influence of urbanisation characteristics on the variability of particle-bound heavy metals build-up: A comparative study between China and Australia. <i>Environmental Pollution</i> , 2018 , 242, 1067-1077	9.3	13
104	Weak acid extractable metals in Bramble Bay, Queensland, Australia: temporal behaviour, enrichment and source apportionment. <i>Marine Pollution Bulletin</i> , 2015 , 91, 380-8	6.7	13
103	Source quantification and risk assessment as a foundation for risk management of metals in urban road deposited solids. <i>Journal of Hazardous Materials</i> , 2021 , 408, 124912	12.8	13

102	Transformation processes of metals associated with urban road dust: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2019 , 49, 1675-1699	11.1	12
101	Characterisation of atmospheric deposited particles during a dust storm in urban areas of Eastern Australia. <i>Science of the Total Environment</i> , 2013 , 461-462, 72-80	10.2	12
100	Effects of climate change on the wash-off of volatile organic compounds from urban roads. <i>Science of the Total Environment</i> , 2011 , 409, 3934-42	10.2	12
99	Impact of roof surface runoff on urban water quality. <i>Water Science and Technology</i> , 2012 , 66, 1527-33	2.2	12
98	Removal of heavy metals from water using engineered hydrochar: Kinetics and mechanistic approach. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101929	6.7	11
97	Role of adsorption behavior on metal build-up in urban road dust. <i>Journal of Environmental Sciences</i> , 2019 , 83, 85-95	6.4	10
96	Role of Rainfall and Catchment Characteristics on Urban Stormwater Quality. <i>SpringerBriefs in Water Science and Technology</i> , 2015 ,	1.8	10
95	Creating a hierarchy of hazard control for urban stormwater management. <i>Environmental Pollution</i> , 2019 , 255, 113217	9.3	9
94	A Novel Approach for Delineation of Homogeneous Rainfall Regions for Water Sensitive Urban Design: A Case Study in Southeast Queensland. <i>Water (Switzerland)</i> , 2019 , 11, 570	3	9
93	Fees and governance: Towards sustainability in water resources management at schools in post-apartheid South Africa. <i>Sustainable Cities and Society</i> , 2019 , 51, 101694	10.1	8
92	Assessing uncertainty in pollutant wash-off modelling via model validation. <i>Science of the Total Environment</i> , 2014 , 497-498, 578-584	10.2	8
91	A Bayesian regression approach to assess uncertainty in pollutant wash-off modelling. <i>Science of the Total Environment</i> , 2014 , 479-480, 233-40	10.2	8
90	Kinetic modelling and performance evaluation of vertical subsurface flow constructed wetlands in tropics. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101539	6.7	8
89	How can gamification be incorporated into disaster emergency planning? A systematic review of the literature. <i>International Journal of Disaster Resilience in the Built Environment</i> , 2020 , 11, 481-506	1.4	8
88	Influence of photolysis on source characterization and health risk of polycyclic aromatic hydrocarbons (PAHs), and carbonyl-, nitro-, hydroxy- PAHs in urban road dust. <i>Environmental Pollution</i> , 2021 , 269, 116103	9.3	8
87	Emerging materials and technologies for landfill leachate treatment: A critical review. <i>Environmental Pollution</i> , 2021 , 291, 118133	9.3	8
86	Application of landscape epidemiology to assess potential public health risk due to poor sanitation. <i>Journal of Environmental Management</i> , 2017 , 192, 124-133	7.9	7
85	Mathematical modelling of the influence of physico-chemical properties on heavy metal adsorption by biosorbents. <i>Chemosphere</i> , 2020 , 255, 126965	8.4	7

84	Optimized simultaneous pressurized fluid extraction and in-cell clean-up, and analysis of polycyclic aromatic hydrocarbons (PAHs), and nitro-, carbonyl-, hydroxy -PAHs in solid particles. <i>Analytica Chimica Acta</i> , 2020 , 1125, 19-28	6.6	7
83	Nitrate-dependent Uranium mobilisation in groundwater. <i>Science of the Total Environment</i> , 2019 , 693, 133655	10.2	7
82	Factors influencing organochlorine pesticides distribution in the Brisbane River Estuarine sediment, Australia. <i>Marine Pollution Bulletin</i> , 2017 , 123, 349-356	6.7	7
81	Pollutant characteristics on roof surfaces for evaluation as a stormwater harvesting catchment. <i>Desalination and Water Treatment</i> , 2010 , 19, 205-211		7
80	Assessment of Physical and Chemical Attributes of Sub-Tropical Soil to Predict Long Term Effluent Treatment Potential. <i>Soil and Sediment Contamination</i> , 2005 , 14, 211-229	3.2	7
79	A Bayesian approach to model the trends and variability in urban stormwater quality associated with catchment and hydrologic parameters. <i>Water Research</i> , 2021 , 197, 117076	12.5	7
78	Water resources: Embed stormwater use in city planning. <i>Nature</i> , 2016 , 532, 37	50.4	7
77	Monitoring of a mixed land use catchment for pollutant source characterisation. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 336	3.1	6
76	Application of multivariate data techniques in photochemical study of polycyclic aromatic hydrocarbons (PAHs) and transformed PAH products in road dust. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 196, 110478	7	6
75	Prediction of the wash-off of traffic related semi- and non-volatile organic compounds from urban roads under climate change influenced rainfall characteristics. <i>Journal of Hazardous Materials</i> , 2012 , 213-214, 83-92	12.8	6
74	Using Multivariate Analysis to Predict the Behaviour of Soils Under Effluent Irrigation. <i>Water, Air, and Soil Pollution</i> , 2006 , 172, 109-127	2.6	6
73	A Critical Review of Social Resilience Properties and Pathways in Disaster Management. <i>International Journal of Disaster Risk Science</i> , 2021 , 12, 790	4.6	6
72	Public perceptions on artificial intelligence driven disaster management: Evidence from Sydney, Melbourne and Brisbane. <i>Telematics and Informatics</i> , 2021 , 65, 101729	8.1	6
71	Water and Soil Pollution Implications of Road Traffic. <i>Issues in Environmental Science and Technology</i> , 86-106	0.7	6
70	Influence of the hierarchical structure of land use on metals, nutrients and organochlorine pesticides in urban river sediments. <i>Ecological Engineering</i> , 2021 , 159, 106123	3.9	6
69	New conceptualisation of first flush phenomena in urban catchments. <i>Journal of Environmental Management</i> , 2021 , 281, 111820	7.9	6
68	Performance characterisation of a constructed wetland. <i>Water Science and Technology</i> , 2013 , 68, 2195-201		5
67	Dataset for the quantitative structure-activity relationship (QSAR) modeling of the toxicity equivalency factors (TEFs) of PAHs and transformed PAH products. <i>Data in Brief</i> , 2020 , 28, 104821	1.2	5

66	Stormwater Quality, Pollutant Sources, Processes, and Treatment Options 2019 , 49-74		5
65	Influence of land use class and configuration on water-sediment partitioning of heavy metals. <i>Science of the Total Environment</i> , 2022 , 804, 150116	10.2	5
64	Modelling Resilience of a Water Supply System under Climate Change and Population Growth Impacts. <i>Water Resources Management</i> , 2017 , 31, 2885-2898	3.7	4
63	Influence of physicochemical properties of road dust on the build-up of hydrocarbons. <i>Science of the Total Environment</i> , 2019 , 694, 133812	10.2	4
62	Application of <i>Chlorella pyrenoidosa</i> embedded biochar beads for water treatment. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101892	6.7	4
61	Microbial risk from source-separated urine used as liquid fertilizer in sub-tropical Australia. <i>Microbial Risk Analysis</i> , 2017 , 5, 53-64	1.6	3
60	Particulate matter exchange between atmosphere and roads surfaces in urban areas. <i>Journal of Environmental Sciences</i> , 2020 , 98, 118-123	6.4	3
59	Using undisturbed columns to predict long term behaviour of effluent irrigated soils under field conditions. <i>Soil Research</i> , 2006 , 44, 661	1.8	3
58	Removal of polycyclic aromatic hydrocarbons from wastewater using dual-mode ultrasound system. <i>Water and Environment Journal</i> , 2020 , 34, 425-434	1.7	3
57	Differentiating Between Pollutants Build-Up on Roads and Roofs: Significance of Roofs as a Stormwater Pollutant Source. <i>Clean - Soil, Air, Water</i> , 2016 , 44, 538-543	1.6	3
56	Catchment based estimation of pollutant event mean concentration (EMC) and implications for first flush assessment. <i>Journal of Environmental Management</i> , 2021 , 279, 111737	7.9	3
55	Assessing social resilience in disaster management. <i>International Journal of Disaster Risk Reduction</i> , 2021 , 52, 101957	4.5	3
54	Spatial response surface modelling in the presence of data paucity for the evaluation of potential human health risk due to the contamination of potable water resources. <i>Science of the Total Environment</i> , 2016 , 566-567, 1368-1378	10.2	2
53	INVESTIGATION OF URBAN WATER QUALITY USING ARTIFICIAL RAINFALL. <i>Proceedings of the Water Environment Federation</i> , 2004 , 2004, 1169-1184		2
52	Traffic and Climate Change Impacts on Water Quality 2011 , 1804-1823		2
51	A Framework for Stormwater Quality Modelling under the Effects of Climate Change to Enhance Reuse. <i>Sustainability</i> , 2020 , 12, 10463	3.6	2
50	Role of organic matter, nitrogen and phosphorous on granulation and settling velocity in wastewater treatment. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101967	6.7	2
49	Enhancing the Storm Water Treatment Performance of Constructed Wetlands and Bioretention Basins. <i>SpringerBriefs in Water Science and Technology</i> , 2016 ,	1.8	2

48	Factors influencing volatile hydrocarbon pollution in urban areas. <i>Emerging Contaminants</i> , 2019 , 5, 288-298	1
47	Urban Water Quality. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2019 , 49-68	5 1
46	Surrogate Measures to Assess Mobility of People as a Resilience Indicator in Disaster Management: An Exploratory Study in Southeastern Sri Lanka. <i>International Journal of Disaster Risk Science</i> , 2020 , 11, 13-31	4.6 1
45	Rethinking hydrocarbons build-up on urban roads: A perspective on volatilisation under global warming scenarios. <i>Environmental Pollution</i> , 2019 , 252, 950-959	9.3 1
44	A Multivariate Approach to the Identification of Surrogate Parameters for Heavy Metals in Stormwater. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6 1
43	Water Quality Profile of an Urbanising Catchment 2007 ,	1
42	Yield performance and adaptation of some Australian-grown rice varieties through multivariate analysis. <i>Australian Journal of Agricultural Research</i> , 2007 , 58, 874	1
41	ASSESSING CHANGES IN SOIL PHYSICAL AND CHEMICAL PROPERTIES UNDER LONG TERM EFFLUENT DISPOSAL	1
40	The Role of Geographical Information Systems in Urban Hydrological Modelling. <i>Water and Environment Journal</i> , 1999 , 13, 200-206	1.7 1
39	Biosorption of heavy metals: Transferability between batch and column studies.. <i>Chemosphere</i> , 2022 , 294, 133659	8.4 1
38	Integrating Tank Model and adsorption/desorption characteristics of filter media to simulate outflow water quantity and quality of a bioretention basin: A case study of biochar-based bioretention basin.. <i>Journal of Environmental Management</i> , 2021 , 304, 114282	7.9 1
37	Traffic and Climate Change Impacts on Water Quality. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 147-167	0.4 1
36	Understanding Uncertainty Associated with Stormwater Quality Modelling. <i>SpringerBriefs in Water Science and Technology</i> , 2019 , 1-13	1.8 1
35	Climate Change Risk Management for Public Assets in Semarang, Indonesia. <i>Smart Innovation, Systems and Technologies</i> , 2019 , 238-246	0.5 1
34	Influence of Traffic and Land Use on Pollutant Transport Pathways. <i>SpringerBriefs in Water Science and Technology</i> , 2018 , 27-54	1.8 1
33	Predicting Stormwater Quality Resulting from Traffic Generated Pollutants. <i>SpringerBriefs in Water Science and Technology</i> , 2018 , 55-69	1.8 1
32	Urbanisation and Stormwater Quality. <i>SpringerBriefs in Water Science and Technology</i> , 2015 , 1-14	1.8 1
31	Effect of traffic congestion and vegetation on airborne bacteria in a city of a developing country. <i>Air Quality, Atmosphere and Health</i> , 2021 , 14, 1103-1116	5.6 1

30	Treatment technologies for stormwater reuse 2021 , 521-549		1
29	Ranking Three Water Sensitive Urban Design (WSUD) Practices Based on Hydraulic and Water Quality Treatment Performance: Implications for Effective Stormwater Treatment Design. <i>Water (Switzerland)</i> , 2022 , 14, 1296	3	1
28	Hydro-conditioning: Advanced approaches for cost-effective water quality management in agricultural watersheds. <i>Water Research</i> , 2022 , 118647	12.5	1
27	Urban Traffic Characteristics and Urban Stormwater Quality. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 168-185	0.4	0
26	Assessment of Human Health Risks from Metals in Urban Stormwater Based on Geochemical Fractionation and Bioavailability. <i>SpringerBriefs in Water Science and Technology</i> , 2020 , 33-43	1.8	0
25	Climate change adaptation in the management of public buildings: an Indonesian context. <i>International Journal of Building Pathology and Adaptation</i> , 2019 , 37, 140-162	1.6	
24	Reply to comment on "Characterising metal build-up on urban road surfaces" by . Environmental Pollution, 176, 87-91. <i>Environmental Pollution</i> , 2013 , 182, 503-6	9.3	
23	Estimating Peak Runoff for Risk-Based Assessment in Small Catchments. <i>Australian Journal of Water Resources</i> , 2002 , 5, 177-193	1.2	
22	Improving Sustainability of Indonesian Public Building: Challenges and Policy Strategy. <i>Smart Innovation, Systems and Technologies</i> , 2019 , 268-276	0.5	
21	Assessment of Build-up and Wash-off Process Uncertainty and Its Influence on Stormwater Quality Modelling. <i>SpringerBriefs in Water Science and Technology</i> , 2019 , 25-36	1.8	
20	Case Study Uncertainty Inherent in Metals Build-up and Wash-off Processes. <i>SpringerBriefs in Water Science and Technology</i> , 2019 , 37-48	1.8	
19	Metals in the Urban Stormwater Environment. <i>SpringerBriefs in Water Science and Technology</i> , 2020 , 1-10	1.8	
18	Metal Transformation and Stormwater Quality. <i>SpringerBriefs in Water Science and Technology</i> , 2020 , 21-32	1.8	
17	Research Design for Investigating Metal Transformations on Urban Roads. <i>SpringerBriefs in Water Science and Technology</i> , 2020 , 11-20	1.8	
16	Practical Implications and Recommendation for Future Research. <i>SpringerBriefs in Water Science and Technology</i> , 2020 , 45-48	1.8	
15	Stormwater Treatment Design. <i>SpringerBriefs in Water Science and Technology</i> , 2015 , 15-30	1.8	
14	Practical Application of Study Outcomes for Stormwater Treatment Design. <i>SpringerBriefs in Water Science and Technology</i> , 2015 , 51-69	1.8	
13	Assessing Bioretention Basin Treatment Performance. <i>SpringerBriefs in Water Science and Technology</i> , 2016 , 39-48	1.8	

12	Assessing Constructed Wetland Treatment Performance. <i>SpringerBriefs in Water Science and Technology</i> , 2016 , 49-61	1.8
11	Creating Conceptual Models of Treatment Systems. <i>SpringerBriefs in Water Science and Technology</i> , 2016 , 15-38	1.8
10	Implications for Engineering Practice. <i>SpringerBriefs in Water Science and Technology</i> , 2016 , 63-68	1.8
9	Storm Water Treatment. <i>SpringerBriefs in Water Science and Technology</i> , 2016 , 1-14	1.8
8	Implications for Engineered Applications and Recommendations for Future Research Directions. <i>SpringerBriefs in Water Science and Technology</i> , 2018 , 71-75	1.8
7	Primary Traffic Related Pollutants and Urban Stormwater Quality. <i>SpringerBriefs in Water Science and Technology</i> , 2018 , 1-16	1.8
6	Research Program. <i>SpringerBriefs in Water Science and Technology</i> , 2018 , 17-26	1.8
5	Sustainable Water Provision. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2010 , 17-30	0.4
4	Sustainable Water Provision 2011 , 1768-1781	
3	Selection of surrogates to assess social resilience in disaster management using multi-criteria decision analysis. <i>International Journal of Disaster Resilience in the Built Environment</i> , 2020 , 11, 453-480	1.4
2	Pollutant Build-up and Wash-off Process Variability. <i>SpringerBriefs in Water Science and Technology</i> , 2019 , 15-24	1.8
1	Practical Implications and Recommendations for Future Research. <i>SpringerBriefs in Water Science and Technology</i> , 2019 , 49-55	1.8