Carolyn E Oldham

List of PR Articles by Year
in descending order

49 PR articles	1,433 PR citations	262009 22 PR h-index	299961 36 g-index
54 documents	1575 doc citations	299426 22 h-index	2276 citing authors

#	Article	IF	PR Citations
1	First Peoplesâ€™ knowledge leads scientists to reveal â€˜fairy circlesâ€™ and termite linyji are linked in Australia. Nature Ecology and Evolution, 2023, 7, 610-622.	10.3	16
2	Impact of ambient air temperature, orientation, and plant status on the thermal performance of green faÃ§ades. Energy and Buildings, 2023, 296, 113389.	6.7	20
3	Thermal performance of green faÃ§ades: Review and analysis of published data. Renewable and Sustainable Energy Reviews, 2022, 155, 111744.	16.7	54
4	Exploring the evapotranspirative cooling effect of a green faÃ§ade. Sustainable Cities and Society, 2022, 81, 103822.	11.5	64
5	Evapotranspiration rates and evapotranspirative cooling of green faÃ§ades under different irrigation scenarios. Energy and Buildings, 2022, 270, 112223.	6.7	50
6	Particle capture by seagrass canopies under an oscillatory flow. Coastal Engineering, 2021, 169, 103972.	4.2	40
7	Functional dynamics of vegetated model patches: The minimum patch size effect for canopy restoration. Science of the Total Environment, 2021, 795, 148854.	8.4	13
8	Unravelling the metabolism black-box in a dynamic wetland environment using a hybrid model framework: Storm driven changes in oxygen budgets. Science of the Total Environment, 2020, 723, 138020.	8.4	6
9	ML-SWAN-v1: a hybrid machine learning framework for the concentration prediction and discovery of transport pathways of surface water nutrients. Geoscientific Model Development, 2020, 13, 4253-4270.	3.8	6
10	An integrated modelling system for water quality forecasting in an urban eutrophic estuary: The Swan-Canning Estuary virtual observatory. Journal of Marine Systems, 2019, 199, 103218.	2.7	30
11	Controls on iron(II) fluxes into waterways impacted by acid mine drainage: A DamkÃ¶hler analysis of groundwater seepage and iron kinetics. Water Research, 2019, 153, 11-20.	12.5	11
12	Flow velocity and nutrient uptake in marine canopies. Marine Ecology - Progress Series, 2019, 622, 17-30.	1.9	14
13	The distribution and origins of extremely acidic saline groundwaters in the south of Western Australia â€“ Groundwater and digital mapping datasets provide new insights. Journal of Hydrology, 2018, 556, 717-731.	6.0	3
14	Local hydrodynamics at edges of marine canopies under oscillatory flows. PLoS ONE, 2018, 13, e0201737.	2.4	17
15	The Impact of Landscape Characteristics on Groundwater Dissolved Organic Nitrogen: Insights From Machine Learning Methods and Sensitivity Analysis. Water Resources Research, 2018, 54, 4785-4804.	4.6	14
16	Storm event-scale nutrient attenuation in constructed wetlands experiencing a Mediterranean climate: A comparison of a surface flow and hybrid surface-subsurface flow system. Science of the Total Environment, 2017, 598, 1001-1014.	8.4	20
17	Temporal dynamics of stormwater nutrient attenuation of an urban constructed wetland experiencing summer low flows and macrophyte senescence. Ecological Engineering, 2017, 102, 641-661.	4.1	21
18	Quantifying Lake Water Quality Evolution: Coupled Geochemistry, Hydrodynamics, and Aquatic Ecology in an Acidic Pit Lake. Environmental Science & Technology, 2017, 51, 9864-9875.	11.1	26

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19	Fragment dispersal and plant-induced dieback explain irregular ring-shaped pattern formation in a clonal submerged macrophyte. Ecological Modelling, 2017, 363, 111-121.	2.9	11
20	Spatial and temporal characterization of nutrient net uptake in a vegetated urban stream: Stream bank features leading to net uptake hotspots. Hydrological Processes, 2017, 31, 3003-3016.	2.6	4
21	Invasive Macrophytes Control the Spatial and Temporal Patterns of Temperature and Dissolved Oxygen in a Shallow Lake: A Proposed Feedback Mechanism of Macrophyte Loss. Frontiers in Plant Science, 2017, 8, .	4.1	56
22	Interactions between Fragmented Seagrass Canopies and the Local Hydrodynamics. PLoS ONE, 2016, 11, e0156264.	2.4	33
23	Comparison of Machine Learning Techniques and Variables for Groundwater Dissolved Organic Nitrogen Prediction in an Urban Area. Procedia Engineering, 2016, 154, 1176-1184.	1.5	21
24	Stormwater nutrient attenuation in a constructed wetland with alternating surface and subsurface flow pathways: Event to annual dynamics. Water Research, 2016, 107, 66-82.	12.5	42
25	Using multi-tracer inference to move beyond single-catchment ecohydrology. Earth-Science Reviews, 2016, 160, 19-42.	8.7	162
26	Urban subsurface drainage as an alternative water source in a drying climate. Australian Journal of Water Resources, 2016, 20, 148-159.	1.2	2
27	Modified hydrodynamics in canopies with longitudinal gaps exposed to oscillatory flows. Journal of Hydrology, 2015, 531, 840-849.	6.0	18
28	Applicability of passive compost bioreactors for treatment of extremely acidic and saline waters in semi-arid climates. Water Research, 2014, 55, 83-94.	12.5	15
29	A preliminary exploration of the physical properties of seagrass wrack that affect its offshore transport, deposition, and retention on a beach. Limnology & Oceanography Fluids & Environments, 2014, 4, 120-135.	2.4	14
30	Urban runoff impacts on receiving aquatic ecosystems assessed using periphyton community. International Journal of River Basin Management, 2012, 10, 189-196.	2.2	5
31	Kinetic Reaction Modeling Framework for Identifying and Quantifying Reductant Reactivity in Heterogeneous Aquifer Sediments. Environmental Science & Technology, 2010, 44, 6698-6705.	11.1	27
32	Geochemical controls on sediment reactivity and buffering processes in a heterogeneous aquifer. Applied Geochemistry, 2010, 25, 261-275.	3.3	52
33	Does Iron Cycling Trigger Generation of Acidity in Groundwaters of Western Australia?. Environmental Science & Technology, 2009, 43, 6548-6552.	11.1	11
34	Natural attenuation of nitrogen in groundwater discharging through a sandy beach. Biogeochemistry, 2009, 98, 75-87.	3.1	41
35	Radium isotopes reveal seasonal groundwater inputs to Cockburn Sound, a marine embayment in Western Australia. Journal of Hydrology, 2008, 351, 203-217.	6.0	19
36	Near-Surface Wind-Induced Mixing in a Mine Lake. Journal of Hydraulic Engineering, 2008, 134, 1464-1472.	2.3	18

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37	Nitrate attenuation in agricultural catchments: Shifting balances between transport and reaction. Water Resources Research, 2006, 42, .	4.6	140
38	Hydrological connectivity of upland-riparian zones in agricultural catchments: Implications for runoff generation and nitrate transport. Journal of Hydrology, 2006, 331, 643-658.	6.0	145
39	Field exploration of coupled hydrological and biogeochemical catchment responses and a unifying perceptual model. Advances in Water Resources, 2006, 29, 161-180.	4.0	28
40	Hydrological versus biogeochemical controls on catchment nitrate export: a test of the flushing mechanism. Hydrological Processes, 2006, 20, 4269-4286.	2.6	59
41	Control mechanisms for dissolved phosphorus and arsenic in a shallow lake. Applied Geochemistry, 2004, 19, 1377-1389.	3.3	22
42	Arsenic Remobilization in a Shallow Lake. Journal of Environmental Quality, 2002, 31, 822.	4.0	19
43	Arsenic Remobilization in a Shallow Lake. Journal of Environmental Quality, 2002, 31, 822-828.	4.0	25
44	A preliminary model for predicting heavy metal contaminant loading from an urban catchment. Science of the Total Environment, 2001, 266, 299-307.	8.4	53
45	The use of an ultrafiltration technique for measurement of orthophosphate in shallow wetlands. Science of the Total Environment, 2001, 266, 159-167.	8.4	12
46	The use of Fick's First Law for predicting porewater nutrient fluxes under diffusive conditions. Hydrological Processes, 2001, 15, 2435-2451.	2.6	73
47	Interference from arsenate when determining phosphate by the malachite green spectrophotometric method. Analytica Chimica Acta, 2001, 450, 247-252.	5.8	38
48	Steady convective exchange flows down slopes. Aquatic Sciences, 1999, 61, 260.	1.5	58
49	Oxygen patchiness in a lake. Aquatic Sciences, 1995, 57, 325-337.	1.5	4