

Kwok P Chun

List of Publications by Citations

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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.

75
papers

2,317
citations

21
h-index

47
g-index

103
ext. papers

2,742
ext. citations

5
avg, IF

4.9
L-index

#	Paper	IF	Citations
75	Precipitation downscaling under climate change: Recent developments to bridge the gap between dynamical models and the end user. <i>Reviews of Geophysics</i> , 2010 , 48,	23.1	1021
74	Factors affecting the implementation of green specifications in construction. <i>Journal of Environmental Management</i> , 2010 , 91, 654-61	7.9	107
73	Insights into plant water uptake from xylem-water isotope measurements in two tropical catchments with contrasting moisture conditions. <i>Hydrological Processes</i> , 2016 , 30, 3210-3227	3.3	87
72	Integrating Green Specifications in Construction and Overcoming Barriers in Their Use. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2009 , 135, 142-152	0.7	64
71	Recent climatic, cryospheric, and hydrological changes over the interior of western Canada: a review and synthesis. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 1573-1598	5.5	64
70	A stochastic reconstruction framework for analysis of water resource system vulnerability to climate-induced changes in river flow regime. <i>Water Resources Research</i> , 2013 , 49, 291-305	5.4	63
69	Temporal dynamics of catchment transit times from stable isotope data. <i>Water Resources Research</i> , 2015 , 51, 4208-4223	5.4	53
68	Environmental management system vs green specifications: how do they complement each other in the construction industry?. <i>Journal of Environmental Management</i> , 2011 , 92, 788-95	7.9	51
67	The changing water cycle: the Boreal Plains ecozone of Western Canada. <i>Wiley Interdisciplinary Reviews: Water</i> , 2015 , 2, 505-521	5.7	45
66	Priorities and Interactions of Sustainable Development Goals (SDGs) with Focus on Wetlands. <i>Water (Switzerland)</i> , 2019 , 11, 619	3	39
65	Beaver-mediated methane emission: The effects of population growth in Eurasia and the Americas. <i>Ambio</i> , 2015 , 44, 7-15	6.5	38
64	Who Smells? Forecasting Taste and Odor in a Drinking Water Reservoir. <i>Environmental Science & Technology</i> , 2015 , 49, 10984-92	10.3	38
63	Dexamethasone exacerbates cerebral edema and brain injury following lithium-pilocarpine induced status epilepticus. <i>Neurobiology of Disease</i> , 2014 , 63, 229-36	7.5	32
62	Assessing the relative importance of parameter and forcing uncertainty and their interactions in conceptual hydrological model simulations. <i>Advances in Water Resources</i> , 2016 , 97, 299-313	4.7	30
61	Bitter melon reduces elevated fasting plasma glucose levels in an intervention study among prediabetics in Tanzania. <i>Journal of Ethnopharmacology</i> , 2018 , 216, 1-7	5	29
60	Ecohydrological disturbances associated with roads: Current knowledge, research needs, and management concerns with reference to the tropics. <i>Ecohydrology</i> , 2018 , 11, e1881	2.5	27
59	Divergent Perspectives on Water Security: Bridging the Policy Debate. <i>Professional Geographer</i> , 2015 , 67, 62-71	1.7	26

58	North American precipitation isotope ($\delta^{18}O$) zones revealed in time series modeling across Canada and northern United States. <i>Water Resources Research</i> , 2015 , 51, 1284-1299	5.4	26
57	The Grass Is Not Always Greener on the Other Side: Seasonal Reversal of Vegetation Greenness in Aspect-Driven Semiarid Ecosystems. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL088918	4.9	21
56	Advancing ecohydrology in the changing tropics: Perspectives from early career scientists. <i>Ecohydrology</i> , 2018 , 11, e1918	2.5	21
55	Streamflow estimation for six UK catchments under future climate scenarios 2009 , 40, 96-112		21
54	The role of landscape morphology on soil moisture variability in semi-arid ecosystems. <i>Hydrological Processes</i> , 2021 , 35,	3.3	21
53	Dynamic water quality modelling and uncertainty analysis of phytoplankton and nutrient cycles for the upper South Saskatchewan River. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 18239-51	5.1	20
52	Effects of initial soil water content and saturated hydraulic conductivity variability on small watershed runoff simulation using LISEM. <i>Hydrological Sciences Journal</i> , 2015 , 60, 1137-1154	3.5	20
51	Prediction of the impact of climate change on drought: an evaluation of six UK catchments using two stochastic approaches. <i>Hydrological Processes</i> , 2013 , 27, 1600-1614	3.3	20
50	Watershed services in the humid tropics: Opportunities from recent advances in ecohydrology. <i>Ecohydrology</i> , 2018 , 11, e1921	2.5	19
49	Contribution of supra-permafrost discharge to thermokarst lake water balances on the northeastern Qinghai-Tibet Plateau. <i>Journal of Hydrology</i> , 2017 , 555, 621-630	6	18
48	Unpacking viewpoints on water security: lessons from the South Saskatchewan River Basin. <i>Water Policy</i> , 2016 , 18, 50-72	1.6	18
47	Forms and drivers of annual streamflow variability in the headwaters of Canadian Prairies during the 20th century. <i>Hydrological Processes</i> , 2017 , 31, 221-239	3.3	17
46	Precipitation downscaling in Canadian Prairie Provinces using the LARS-WG and GLM approaches. <i>Canadian Water Resources Journal</i> , 2013 , 38, 311-332	1.7	17
45	Recent Increases in Permafrost Thaw Rates and Areal Loss of Palsas in the Western Northwest Territories, Canada. <i>Permafrost and Periglacial Processes</i> , 2017 , 28, 619-633	4.2	17
44	Application of ENSO and Drought Indices for Water Level Reconstruction and Prediction: A Case Study in the Lower Mekong River Estuary. <i>Water (Switzerland)</i> , 2018 , 10, 58	3	16
43	Tree rings provide early warning signals of jack pine mortality across a moisture gradient in the southern boreal forest. <i>Environmental Research Letters</i> , 2015 , 10, 084021	6.2	15
42	Evaluating the impact of fluvial geomorphology on river ice cover formation based on a global sensitivity analysis of a river ice model. <i>Canadian Journal of Civil Engineering</i> , 2013 , 40, 623-632	1.3	14
41	Methane dynamics in an estuarine brackish <i>Cyperus malaccensis</i> marsh: Production and porewater concentration in soils, and net emissions to the atmosphere over five years. <i>Geoderma</i> , 2019 , 337, 132-142	6.7	14

40	Temporal trends in $\delta^{18}O$ composition of precipitation in Germany: insights from time series modelling and trend analysis. <i>Hydrological Processes</i> , 2015 , 29, 2668-2680	3.3	13
39	Spatial distribution of livestock and poultry farm based on livestock manure nitrogen load on farmland and suitability evaluation. <i>Computers and Electronics in Agriculture</i> , 2017 , 139, 180-186	6.5	12
38	Geospatial modelling to determine the behaviour of ice cover formation during freeze-up of the Dauphin River in Manitoba 2014 , 45, 645-659		12
37	Water Level Reconstruction and Prediction Based on Space-Borne Sensors: A Case Study in the Mekong and Yangtze River Basins. <i>Sensors</i> , 2018 , 18,	3.8	12
36	Projecting and hindcasting potential evaporation for the UK between 1950 and 2099. <i>Climatic Change</i> , 2012 , 113, 639-661	4.5	11
35	Parameter Sensitivity of a Surface Water Quality Model of the Lower South Saskatchewan River: Comparison Between Ice-On and Ice-Off Periods. <i>Environmental Modeling and Assessment</i> , 2017 , 22, 291-307	2	10
34	Comparison of drought projections using two UK weather generators. <i>Hydrological Sciences Journal</i> , 2013 , 58, 295-309	3.5	9
33	Efficient Shapelet Discovery for Time Series Classification. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020 , 1-1	4.2	8
32	Water storage redistribution over East China, between 2003 and 2015, driven by intra- and inter-annual climate variability. <i>Journal of Hydrology</i> , 2020 , 583, 124475	6	8
31	Large Spatial Variations in Diffusive CH Fluxes from a Subtropical Coastal Reservoir Affected by Sewage Discharge in Southeast China. <i>Environmental Science & Technology</i> , 2020 , 54, 14192-14203	10.3	7
30	What is the most efficient and effective method for long-term monitoring of alpine tundra vegetation?. <i>Arctic Science</i> , 2016 , 2, 127-141	2.2	7
29	Quantifying Spatial Changes in the Structure of Water Quality Constituents in a Large Prairie River within Two Frameworks of a Water Quality Model. <i>Water (Switzerland)</i> , 2016 , 8, 158	3	6
28	A multivariate comparison of the BERMS flux-tower climate observations and Canadian Coupled Global Climate Model (CGCM3) outputs. <i>Journal of Hydrology</i> , 2014 , 519, 1537-1550	6	5
27	Data for wetlandscapes and their changes around the world. <i>Earth System Science Data</i> , 2020 , 12, 1083-1109	11.0	5
26	A novel stochastic method for reconstructing daily precipitation times-series using tree-ring data from the western Canadian Boreal Forest. <i>Dendrochronologia</i> , 2017 , 44, 9-18	2.8	3
25	Trend analysis of nutrient loadings in a large prairie catchment. <i>Hydrological Sciences Journal</i> , 2017 , 62, 657-679	3.5	3
24	ENSO diversity shows robust decadal variations that must be captured for accurate future projections. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	3
23	Recent climatic, cryospheric, and hydrological changes over the interior of western Canada: a synthesis and review		2

22	Implication of stem water cryogenic extraction experiment for an earlier study is not supported with robust context-specific statistical assessment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	2
21	Climatic and vegetational drivers of insect beta diversity at the continental scale. <i>Ecology and Evolution</i> , 2019 , 9, 13764-13775	2.8	2
20	Hydro-climatic changes of wetlandscapes across the world. <i>Scientific Reports</i> , 2021 , 11, 2754	4.9	2
19	Improvement of the ESA CCI Land cover maps for water balance analysis in tropical regions: A case study in the Muda River Basin, Malaysia. <i>Journal of Hydrology: Regional Studies</i> , 2021 , 36, 100837	3.6	2
18	Tropical drought patterns and their linkages to large-scale climate variability over Peninsular Malaysia. <i>Hydrological Processes</i> , 2021 , 35, e14356	3.3	2
17	Species-specific control of DBH and landscape characteristics on tree-to-tree variability of sap velocity. <i>Agricultural and Forest Meteorology</i> , 2021 , 307, 108533	5.8	2
16	Drought Variability and Characteristics in the Muda River Basin of Malaysia from 1985 to 2019. <i>Atmosphere</i> , 2021 , 12, 1210	2.7	2
15	Quantifying land use heterogeneity on drought conditions for mitigation strategies development in the Dongjiang River Basin, China. <i>Ecological Indicators</i> , 2021 , 129, 107945	5.8	2
14	Under-measured daily maximum precipitation from manual gauge observations over the northern regions. <i>Science of the Total Environment</i> , 2020 , 715, 136970	10.2	1
13	Does Engagement Build Empathy for Shared Water Resources? Results from the Use of the Interpersonal Reactivity Index during a Mobile Water Allocation Experimental Decision Laboratory. <i>Water (Switzerland)</i> , 2019 , 11, 1259	3	1
12	A framework to evaluate the accessibility, visibility, and intelligibility of green-blue spaces (GBSs) related to pedestrian movement. <i>Urban Forestry and Urban Greening</i> , 2022 , 69, 127494	5.4	1
11	DIY meteorology: Use of citizen science to monitor snow dynamics in a data-sparse city. <i>Facets</i> , 2017 , 2, 734-753	2.3	1
10	Spatially-heterogeneous impacts of surface characteristics on urban thermal environment, a case of the Guangdong-Hong Kong-Macau Greater Bay Area. <i>Urban Climate</i> , 2022 , 41, 101034	6.8	1
9	Gravimetry-based water storage shifting over the China-India border area controlled by regional climate variability. <i>Science of the Total Environment</i> , 2020 , 714, 136360	10.2	1
8	Assessment of multiple stable isotopes for tracking regional and organic authenticity of plant products in Hesse, Germany. <i>Isotopes in Environmental and Health Studies</i> , 2021 , 57, 281-300	1.5	1
7	Identifying drivers of streamflow extremes in West Africa to inform a nonstationary prediction model. <i>Weather and Climate Extremes</i> , 2021 , 33, 100346	6	1
6	Coastal reservoirs as a source of nitrous oxide: Spatio-temporal patterns and assessment strategy. <i>Science of the Total Environment</i> , 2021 , 790, 147878	10.2	1
5	Community voices: the importance of diverse networks in academic mentoring.. <i>Nature Communications</i> , 2022 , 13, 1681	17.4	1

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| 4 | On the laboratory calibration of dielectric permittivity models for agricultural soils: Effect of systematic porosity variation. <i>Vadose Zone Journal</i> , 2021 , 20, e20096 | 2.7 | 0 |
| 3 | The Effect of Fallow Period Length on the Abundance and Diversity of Usable Plant Assemblages in Shifting Cultivation System (Swidden Agriculture) in Northern Laos. <i>Polish Journal of Ecology</i> , 2016 , 64, 350-356 | 0.4 | |
| 2 | An Efficient Calibration Technique for Heat Dissipation Matric Water Potential Sensors. <i>Soil Science Society of America Journal</i> , 2015 , 79, 1115-1122 | 2.5 | |
| 1 | Integrating the Budyko framework with the emerging hot spot analysis in local land use planning for regulating surface evapotranspiration ratio.. <i>Journal of Environmental Management</i> , 2022 , 316, 115232 ^{7.9} | 7.9 | |