Christian Opp

List of Publications by Year
in descending order

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48	1,018	471371	454834
papers	citations	17	30
		h-index	g-index

48	48	48	901
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impacts and Implications of Major Changes Caused by the Three Gorges Dam in the Middle Reaches of the Yangtze River, China. Water Resources Management, 2012, 26, 3367-3378.	1.9	136
2	Identification of Groundwater Potential Zones Using Remote Sensing and GIS Techniques: A Case Study of the Shatt Al-Arab Basin. Remote Sensing, 2021, 13, 112.	1.8	106
3	Spatial patterns of mesoplastics and coarse microplastics in floodplain soils as resulting from land use and fluvial processes. Environmental Pollution, 2020, 267, 115390.	3.7	92
4	Aeolian dust deposition in the southern Aral Sea region (Uzbekistan): Ground-based monitoring results from the LUCA project. Quaternary International, 2017, 429, 86-99.	0.7	54
5	Hydrological Drought at Dongting Lake: Its Detection, Characterization, and Challenges Associated With Three Gorges Dam in Central Yangtze, China. Water Resources Management, 2014, 28, 5377-5388.	1.9	46
6	Atmospheric Dynamics and Numerical Simulations of Six Frontal Dust Storms in the Middle East Region. Atmosphere, 2021, 12, 125.	1.0	40
7	Spatio-temporal variability and pollution sources identification of the surface sediments of Shatt Al-Arab River, Southern Iraq. Scientific Reports, 2020, 10, 6979.	1.6	39
8	GIS-based multi-criteria analysis for flood prone areas mapping in the trans-boundary Shatt Al-Arab basin, Iraq-Iran. Geomatics, Natural Hazards and Risk, 2021, 12, 2087-2116.	2.0	34
9	Impacts of dam draining on the mobility of heavy metals and arsenic in water and basin bottom sediments of three studied dams in Germany. Science of the Total Environment, 2018, 640-641, 1072-1081.	3.9	31
10	Estimation of soil erosion and sediment yield concentration across the Kolleru Lake catchment using GIS. Environmental Earth Sciences, 2021, 80, 1.	1.3	31
11	Wind regime and sand transport in the Sistan and Registan regions (Iran/Afghanistan). Zeitschrift FÃ¼r Geomorphologie, 2019, 62, 41-57.	0.3	27
12	Factors of runoff generation in the Dongting Lake basin based on a SWAT model and implications of recent land cover change. Quaternary International, 2018, 475, 54-62.	0.7	26
13	Investigating microplastic dynamics in soils: Orientation for sampling strategies and sample preâ€procession. Land Degradation and Development, 2021, 32, 270-284.	1.8	26
14	Spatiotemporal supply-demand characteristics and economic benefits of crop water footprint in the semi-arid region. Science of the Total Environment, 2020, 738, 139502.	3.9	24
15	Spatiotemporal variations of agricultural water footprint and socioeconomic matching evaluation from the perspective of ecological function zone. Agricultural Water Management, 2021, 249, 106803.	2.4	22
16	Mapping of Major Land-Use Changes in the Kolleru Lake Freshwater Ecosystem by Using Landsat Satellite Images in Google Earth Engine. Water (Switzerland), 2020, 12, 2493.	1.2	20
17	Spatial and temporal variability in dust storms in the Middle East, 2002â€“2018: three case studies in July 2009. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	20
18	Green water appropriation of the cropland ecosystem in China. Science of the Total Environment, 2022, 806, 150597.	3.9	16

#	Article	IF	Citations
19	Past, Present, and Future of Virtual Water and Water Footprint. Water (Switzerland), 2020, 12, 3068.	1.2	14
20	Causes and Effects of Sand and Dust Storms: What Has Past Research Taught Us? A Survey. Journal of Risk and Financial Management, 2021, 14, 326.	1.1	14
21	Spatial Connections between Microplastics and Heavy Metal Pollution within Floodplain Soils. Applied Sciences (Switzerland), 2022, 12, 595.	1.3	14
22	Estimating Actual Evapotranspiration over Croplands Using Vegetation Index Methods and Dynamic Harvested Area. Remote Sensing, 2021, 13, 5167.	1.8	14
23	Impacts of river impoundment on dissolved heavy metals in floodplain soils of the Lahn River (Germany). Environmental Earth Sciences, 2016, 75, 1.	1.3	13
24	Precipitation patterns and associated hydrological extremes in the Yangtze River basin, China, using TRMM/PR data and EOF analysis. Hydrological Sciences Journal, 2012, 57, 1315-1324.	1.2	12
25	Catchment soils as a factor of trace metal accumulation in sediments of the reservoir Klingenberg (eastern Ore Mountains, Germany). Journal of Environmental Sciences, 2019, 86, 1-14.	3.2	12
26	Automatic extraction of large-scale aquaculture encroachment areas using Canny Edge Otsu algorithm in Google earth engine â€“ the case study of Kolleru Lake, South India. Geocarto International, 2022, 37, 11173-11189.	1.7	12
27	Evaluation of WRF-Chem Predictions for Dust Deposition in Southwestern Iran. Atmosphere, 2020, 11, 757.	1.0	11
28	Investigation of Aeolian Dust Deposition Rates in Different Climate Zones of Southwestern Iran. Atmosphere, 2021, 12, 229.	1.0	10
29	Mapping of Potential Groundwater Recharge Zones in the Kolleru Lake Catchment, India, by Using Remote Sensing and GIS Techniques. Natural Resources, 2020, 11, 127-145.	0.2	10
30	Could oxalateâ€extractable phosphorus replace phosphorus fractionation schemes in soil phosphorus prospections?â€”A case study in the prehistoric Milseburg hillfort (Germany). Geoarchaeology - an International Journal, 2020, 35, 98-111.	0.7	9
31	Catchment Soil Properties Affect Metal(loid) Enrichment in Reservoir Sediments of German Low Mountain Regions. Applied Sciences (Switzerland), 2022, 12, 2277.	1.3	9
32	Sink and Source Functions for Metal(loid)s in Sediments and Soils of Two Water Reservoirs of the Ore Mountains, Saxony, Germany. Applied Sciences (Switzerland), 2022, 12, 6354.	1.3	9
33	Physical and Chemical Characterization of Dust Deposited in the Turan Lowland (Central Asia). E3S Web of Conferences, 2019, 99, 03005.	0.2	8
34	Water Quality Problems Analysis and Assessment of the Ecological Security Level of the Transboundary Ural-Caspian Basin of the Republic of Kazakhstan. Applied Sciences (Switzerland), 2022, 12, 2059.	1.3	8
35	Sensitive Factors Identification and Scenario Simulation of Water Demand in the Arid Agricultural Area Based on the Socio-Economic-Environment Nexus. Sustainability, 2020, 12, 3996.	1.6	7
36	Soil phosphorus dynamics along a loessâ€“limestone transect in Mihla, Thuringia (Germany). Journal of Plant Nutrition and Soil Science, 2017, 180, 768-778.	1.1	6

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37	Chemical Characterization of Aeolian Dust Deposition in Southern and Western Iran. Asian Journal of Geographical Research, 0, , 1-22.	0.0	6
38	Regime dynamics of hydrochemical and toxicological parameters of the Irtysh River in Kazakhstan. Journal of Arid Land, 2016, 8, 521-532.	0.9	5
39	Spatial and temporal gradients in the rate of dust deposition and aerosol optical thickness in southwestern Iran. Journal of Arid Land, 2021, 13, 1-22.	0.9	5
40	Lake-catchment interactions and their responses to hydrological extremes. Quaternary International, 2018, 475, 1-3.	0.7	4
41	Identification of Critical Diffuse Pollution Sources in an Ungauged Catchment by Using the Swat Model- A Case Study of Kolleru Lake, East Coast of India. Asian Journal of Geographical Research, 0, , 53-68.	0.0	4
42	Web-Based Decision Support System for Managing the Foodâ€“Waterâ€“Soilâ€“Ecosystem Nexus in the Kolleru Freshwater Lake of Andhra Pradesh in South India. Sustainability, 2022, 14, 2044.	1.6	3
43	Understanding the Combined Effects of Land Cover, Precipitation and Catchment Size on Nitrogen and Dischargeâ€”A Case Study of the Mississippi River Basin. Water (Switzerland), 2022, 14, 865.	1.2	3
44	Combined impact of land cover, precipitation, and catchment area on discharge and phosphorus in the Mississippi basin's subcatchments. Journal of Environmental Quality, 2021, 50, 198-214.	1.0	2
45	Ranking of Basin-Scale Factors Affecting Metal Concentrations in River Sediment. Applied Sciences (Switzerland), 2022, 12, 2805.	1.3	2
46	Analyzing the Patterns and Variation of Precipitation in the Yangtze River Basin Using TRMM/PR Data. , 2009, , .		1
47	Long-term trends in flood discharges of the Ulster and Upper Fulda (Germany): a statistical review. Environmental Earth Sciences, 2016, 75, 1.	1.3	1
48	ABOUT RATIO AND VALUES OF THE EMPIRICAL COEFFICIENT OF ALKALI METALS (Na+ and K+) IN SURFACE WATERS OF KAZAKHSTAN ON THE EXAMPLE OF THE ILE RIVER. News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences, 2020, 1, 6-13.	0.1	0