

Christian Opp

List of Publications by Year in descending order

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48
papers

1,018
citations

471371

17
h-index

454834

30
g-index

48
all docs

48
docs citations

48
times ranked

901
citing authors

#	ARTICLE	IF	CITATIONS
1	Green water appropriation of the cropland ecosystem in China. <i>Science of the Total Environment</i> , 2022, 806, 150597.	3.9	16
2	Spatial Connections between Microplastics and Heavy Metal Pollution within Floodplain Soils. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 595.	1.3	14
3	Catchment Soil Properties Affect Metal(loid) Enrichment in Reservoir Sediments of German Low Mountain Regions. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2277.	1.3	9
4	Web-Based Decision Support System for Managing the Food-Water-Soil-Ecosystem Nexus in the Kolleru Freshwater Lake of Andhra Pradesh in South India. <i>Sustainability</i> , 2022, 14, 2044.	1.6	3
5	Water Quality Problems Analysis and Assessment of the Ecological Security Level of the Transboundary Ural-Caspian Basin of the Republic of Kazakhstan. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2059.	1.3	8
6	Automatic extraction of large-scale aquaculture encroachment areas using Canny Edge Otsu algorithm in Google earth engine – the case study of Kolleru Lake, South India. <i>Geocarto International</i> , 2022, 37, 11173-11189.	1.7	12
7	Understanding the Combined Effects of Land Cover, Precipitation and Catchment Size on Nitrogen and Discharge – A Case Study of the Mississippi River Basin. <i>Water (Switzerland)</i> , 2022, 14, 865.	1.2	3
8	Ranking of Basin-Scale Factors Affecting Metal Concentrations in River Sediment. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2805.	1.3	2
9	Sink and Source Functions for Metal(loid)s in Sediments and Soils of Two Water Reservoirs of the Ore Mountains, Saxony, Germany. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6354.	1.3	9
10	Investigating microplastic dynamics in soils: Orientation for sampling strategies and sample pre-processing. <i>Land Degradation and Development</i> , 2021, 32, 270-284.	1.8	26
11	Combined impact of land cover, precipitation, and catchment area on discharge and phosphorus in the Mississippi basin's subcatchments. <i>Journal of Environmental Quality</i> , 2021, 50, 198-214.	1.0	2
12	Spatial and temporal gradients in the rate of dust deposition and aerosol optical thickness in southwestern Iran. <i>Journal of Arid Land</i> , 2021, 13, 1-22.	0.9	5
13	Investigation of Aeolian Dust Deposition Rates in Different Climate Zones of Southwestern Iran. <i>Atmosphere</i> , 2021, 12, 229.	1.0	10
14	Estimation of soil erosion and sediment yield concentration across the Kolleru Lake catchment using GIS. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	31
15	Spatial and temporal variability in dust storms in the Middle East, 2002–2018: three case studies in July 2009. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	20
16	Spatiotemporal variations of agricultural water footprint and socioeconomic matching evaluation from the perspective of ecological function zone. <i>Agricultural Water Management</i> , 2021, 249, 106803.	2.4	22
17	Causes and Effects of Sand and Dust Storms: What Has Past Research Taught Us? A Survey. <i>Journal of Risk and Financial Management</i> , 2021, 14, 326.	1.1	14
18	GIS-based multi-criteria analysis for flood prone areas mapping in the trans-boundary Shatt Al-Arab basin, Iraq-Iran. <i>Geomatics, Natural Hazards and Risk</i> , 2021, 12, 2087-2116.	2.0	34

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19	Atmospheric Dynamics and Numerical Simulations of Six Frontal Dust Storms in the Middle East Region. <i>Atmosphere</i> , 2021, 12, 125.	1.0	40
20	Identification of Groundwater Potential Zones Using Remote Sensing and GIS Techniques: A Case Study of the Shatt Al-Arab Basin. <i>Remote Sensing</i> , 2021, 13, 112.	1.8	106
21	Estimating Actual Evapotranspiration over Croplands Using Vegetation Index Methods and Dynamic Harvested Area. <i>Remote Sensing</i> , 2021, 13, 5167.	1.8	14
22	Could oxalate-extractable phosphorus replace phosphorus fractionation schemes in soil phosphorus prospectors? A case study in the prehistoric Milseburg hillfort (Germany). <i>Geoarchaeology - an International Journal</i> , 2020, 35, 98-111.	0.7	9
23	Mapping of Major Land-Use Changes in the Kolleru Lake Freshwater Ecosystem by Using Landsat Satellite Images in Google Earth Engine. <i>Water (Switzerland)</i> , 2020, 12, 2493.	1.2	20
24	Spatial patterns of mesoplastics and coarse microplastics in floodplain soils as resulting from land use and fluvial processes. <i>Environmental Pollution</i> , 2020, 267, 115390.	3.7	92
25	Past, Present, and Future of Virtual Water and Water Footprint. <i>Water (Switzerland)</i> , 2020, 12, 3068.	1.2	14
26	Evaluation of WRF-Chem Predictions for Dust Deposition in Southwestern Iran. <i>Atmosphere</i> , 2020, 11, 757.	1.0	11
27	Sensitive Factors Identification and Scenario Simulation of Water Demand in the Arid Agricultural Area Based on the Socio-Economic-Environment Nexus. <i>Sustainability</i> , 2020, 12, 3996.	1.6	7
28	Spatio-temporal variability and pollution sources identification of the surface sediments of Shatt Al-Arab River, Southern Iraq. <i>Scientific Reports</i> , 2020, 10, 6979.	1.6	39
29	Spatiotemporal supply-demand characteristics and economic benefits of crop water footprint in the semi-arid region. <i>Science of the Total Environment</i> , 2020, 738, 139502.	3.9	24
30	Mapping of Potential Groundwater Recharge Zones in the Kolleru Lake Catchment, India, by Using Remote Sensing and GIS Techniques. <i>Natural Resources</i> , 2020, 11, 127-145.	0.2	10
31	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. <i>News of the National Academy of Sciences of the Republic of Kazakhstan, Series of Geology and Technical Sciences</i> , 2020, 1, 6-13.	0.1	0
32	Wind regime and sand transport in the Sistan and Registan regions (Iran/Afghanistan). <i>Zeitschrift für Geomorphologie</i> , 2019, 62, 41-57.	0.3	27
33	Physical and Chemical Characterization of Dust Deposited in the Turan Lowland (Central Asia). <i>E3S Web of Conferences</i> , 2019, 99, 03005.	0.2	8
34	Catchment soils as a factor of trace metal accumulation in sediments of the reservoir Klingenberg (eastern Ore Mountains, Germany). <i>Journal of Environmental Sciences</i> , 2019, 86, 1-14.	3.2	12
35	Factors of runoff generation in the Dongting Lake basin based on a SWAT model and implications of recent land cover change. <i>Quaternary International</i> , 2018, 475, 54-62.	0.7	26
36	Lake-catchment interactions and their responses to hydrological extremes. <i>Quaternary International</i> , 2018, 475, 1-3.	0.7	4

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37	Impacts of dam draining on the mobility of heavy metals and arsenic in water and basin bottom sediments of three studied dams in Germany. <i>Science of the Total Environment</i> , 2018, 640-641, 1072-1081.	3.9	31
38	Aeolian dust deposition in the southern Aral Sea region (Uzbekistan): Ground-based monitoring results from the LUCA project. <i>Quaternary International</i> , 2017, 429, 86-99.	0.7	54
39	Soil phosphorus dynamics along a loess limestone transect in Mihla, Thuringia (Germany). <i>Journal of Plant Nutrition and Soil Science</i> , 2017, 180, 768-778.	1.1	6
40	Regime dynamics of hydrochemical and toxicological parameters of the Irtysh River in Kazakhstan. <i>Journal of Arid Land</i> , 2016, 8, 521-532.	0.9	5
41	Impacts of river impoundment on dissolved heavy metals in floodplain soils of the Lahn River (Germany). <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	13
42	Long-term trends in flood discharges of the Ulster and Upper Fulda (Germany): a statistical review. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	1
43	Hydrological Drought at Dongting Lake: Its Detection, Characterization, and Challenges Associated With Three Gorges Dam in Central Yangtze, China. <i>Water Resources Management</i> , 2014, 28, 5377-5388.	1.9	46
44	Impacts and Implications of Major Changes Caused by the Three Gorges Dam in the Middle Reaches of the Yangtze River, China. <i>Water Resources Management</i> , 2012, 26, 3367-3378.	1.9	136
45	Precipitation patterns and associated hydrological extremes in the Yangtze River basin, China, using TRMM/PR data and EOF analysis. <i>Hydrological Sciences Journal</i> , 2012, 57, 1315-1324.	1.2	12
46	Analyzing the Patterns and Variation of Precipitation in the Yangtze River Basin Using TRMM/PR Data. , 2009, , .		1
47	Chemical Characterization of Aeolian Dust Deposition in Southern and Western Iran. <i>Asian Journal of Geographical Research</i> , 0, , 1-22.	0.0	6
48	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. <i>Asian Journal of Geographical Research</i> , 0, , 53-68.	0.0	4