

Christoph SchÃ¼th

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

2,433
citations

236925

25
h-index

206112

48
g-index

77
all docs

77
docs citations

77
times ranked

3140
citing authors

#	ARTICLE	IF	CITATIONS
1	Delineating MAR Sites Using GIS-MCDA for Nuweiba Alluvial Fan Aquifer, Sinai, Egypt. Water (Switzerland), 2022, 14, 475.	2.7	4
2	Combination of zeolite barrier and bio sparging techniques to enhance efficiency of organic hydrocarbon remediation in a model of shallow groundwater. Chemosphere, 2021, 273, 128555.	8.2	15
3	Estimating water balance components in irrigated agriculture using a combined approach of soil moisture and energy balance monitoring, and numerical modelling. Hydrological Processes, 2021, 35, e14077.	2.6	7
4	A simple and robust wetland classification approach by using optical indices, unsupervised and supervised machine learning algorithms. Remote Sensing Applications: Society and Environment, 2021, 23, 100569.	1.5	9
5	Age and origin of groundwater resources in the Ararat Valley, Armenia: a baseline study applying hydrogeochemistry and environmental tracers. Hydrogeology Journal, 2021, 29, 2517-2527.	2.1	4
6	Themenheft "Grundwasserschutz und Grundwasserbewirtschaftung im Klimawandel". Grundwasser, 2021, 26, 1-2.	1.4	0
7	Processes controlling the extent of groundwater pollution with chromium from tanneries in the Hazaribagh area, Dhaka, Bangladesh. Science of the Total Environment, 2020, 710, 136213.	8.0	27
8	Mechanistic evaluation of biochar potential for plant growth promotion and alleviation of chromium-induced phytotoxicity in Ficus elastica. Chemosphere, 2020, 243, 125332.	8.2	27
9	Effect of water leaching on biochar properties and its impact on organic contaminant sorption. Environmental Science and Pollution Research, 2020, 27, 691-703.	5.3	10
10	Optimization of compound-specific chlorine stable isotope analysis of chloroform using the Taguchi design of experiments. Rapid Communications in Mass Spectrometry, 2020, 34, e8922.	1.5	3
11	Low Trihalomethane Formation during Managed Aquifer Recharge with Chlorinated Desalinated Water. Water (Switzerland), 2020, 12, 711.	2.7	4
12	Climate change or irrigated agriculture "what drives the water level decline of Lake Urmia. Scientific Reports, 2020, 10, 236.	3.3	92
13	Possible factors for increasing water salinity in an embanked coastal island in the southwest Bengal Delta of Bangladesh. Science of the Total Environment, 2020, 713, 136668.	8.0	25
14	A low-cost environmental chamber to simulate warm climatic conditions. Vadose Zone Journal, 2020, 19, e20023.	2.2	6
15	Spatially distributed model calibration of a highly managed hydrological system using remote sensing-derived ET data. Journal of Hydrology, 2019, 577, 123944.	5.4	55
16	The evolution of the groundwater quality in the alluvial aquifers of the south-western part of Bengal Basin, Bangladesh. Environmental Earth Sciences, 2019, 78, 1.	2.7	10
17	Assessment of soil buffer capacity on nutrients and pharmaceuticals in nature-based solution applications. Environmental Science and Pollution Research, 2019, 26, 759-774.	5.3	14
18	Sedimentary archive of Polycyclic Aromatic Hydrocarbons and perylene sources in the northern part of Taihu Lake, China. Environmental Pollution, 2019, 246, 198-206.	7.5	23

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19	Looking back - Looking forward: A novel multi-time slice weight-of-evidence approach for defining reference conditions to assess the impact of human activities on lake systems. <i>Science of the Total Environment</i> , 2018, 626, 1036-1046.	8.0	9
20	Biochar aging in contaminated soil promotes Zn immobilization due to changes in biochar surface structural and chemical properties. <i>Science of the Total Environment</i> , 2018, 626, 953-961.	8.0	146
21	Sorption mechanisms of chlorinated hydrocarbons on biochar produced from different feedstocks: Conclusions from single- and bi-solute experiments. <i>Chemosphere</i> , 2018, 203, 34-43.	8.2	36
22	Seawater intrusion caused by unmanaged groundwater uses in a coastal tourist area, Cox's Bazar, Bangladesh. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	19
23	Hydrogeology of arid and semiarid environments. <i>Grundwasser</i> , 2018, 23, 3-3.	1.4	0
24	Comparison of precipitation collectors used in isotope hydrology. <i>Chemical Geology</i> , 2018, 488, 171-179.	3.3	27
25	Hydrodynamic analysis of a Mediterranean aquifer system with the use of hydrochemical and isotopical analysis as supporting tools. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	5
26	A risk assessment methodology to evaluate the risk failure of managed aquifer recharge in the Mediterranean Basin. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 3213-3227.	4.9	29
27	Nitrogen cycling and origin of ammonium during infiltration of treated wastewater for managed aquifer recharge. <i>Applied Geochemistry</i> , 2018, 97, 71-80.	3.0	19
28	Fate of five pharmaceuticals under different infiltration conditions for managed aquifer recharge. <i>Science of the Total Environment</i> , 2018, 642, 914-924.	8.0	11
29	A regional groundwater-flow model for sustainable groundwater-resource management in the south Asian megacity of Dhaka, Bangladesh. <i>Hydrogeology Journal</i> , 2017, 25, 617-637.	2.1	30
30	Improving large-scale groundwater models by considering fossil gradients. <i>Advances in Water Resources</i> , 2017, 103, 32-43.	3.8	17
31	Identifying the influential aquifer heterogeneity factor on nitrate reduction processes by numerical simulation. <i>Advances in Water Resources</i> , 2017, 99, 38-52.	3.8	24
32	Effects of lead toxicity on the total chlorophyll content and growth changes of the aquatic plant <i>Ceratophyllum demersum</i> L. <i>International Journal of Environmental Studies</i> , 2017, 74, 119-128.	1.6	8
33	YouTube as a crowd-generated water level archive. <i>Science of the Total Environment</i> , 2016, 568, 189-195.	8.0	33
34	Strontium isotopes as an indicator for groundwater salinity sources in the Kirkuk region, Iraq. <i>Science of the Total Environment</i> , 2016, 562, 935-945.	8.0	34
35	Estimating groundwater recharge for an arid karst system using a combined approach of time-lapse camera monitoring and water balance modelling. <i>Hydrological Processes</i> , 2016, 30, 771-782.	2.6	12
36	New Tools for Coherent Information Base for IWRM in Arid Regions: The Upper Mega Aquifer System on the Arabian Peninsula. , 2016, , 85-106.		5

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37	The impact of hydrogeological settings on geochemical evolution of groundwater in karstified limestone aquifer basin in northwest Sri Lanka. <i>Environmental Earth Sciences</i> , 2015, 73, 8061-8073.	2.7	15
38	Spatial variation of boron in groundwater in South Iraq. <i>International Journal of Environmental Studies</i> , 2015, 72, 696-712.	1.6	3
39	Groundwater evaporation from salt pans: Examples from the eastern Arabian Peninsula. <i>Journal of Hydrology</i> , 2015, 531, 792-801.	5.4	35
40	Isotopic and chemical composition of precipitation in Riyadh, Saudi Arabia. <i>Chemical Geology</i> , 2015, 413, 51-62.	3.3	29
41	The Riddle of the Springs of Dilmun – Does the Gilgamesh Epic Tell the Truth?. <i>Ground Water</i> , 2014, 52, 640-644.	1.3	11
42	Complexity vs. Simplicity: Groundwater Model Ranking Using Information Criteria. <i>Ground Water</i> , 2014, 52, 573-583.	1.3	20
43	Reactive Transport of Iomeprol during Stream-Groundwater Interactions. <i>Environmental Science & Technology</i> , 2014, 48, 199-207.	10.0	20
44	Matrix versus fracture permeability in a regional sandstone aquifer (Wajid sandstone, SW Saudi) <i>TJ ETQq0 0 0 rgBT /Overlock 10 Tf 50 4</i>	1.4	14
45	Occurrence and distribution of organic trace substances in waters from the Three Gorges Reservoir, China. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7124-7139.	5.3	31
46	Suitability of temperature, hydraulic heads, and acesulfame to quantify wastewater-related fluxes in the hyporheic and riparian zone. <i>Water Resources Research</i> , 2013, 49, 426-440.	4.2	49
47	Critical Review of Pd-Based Catalytic Treatment of Priority Contaminants in Water. <i>Environmental Science & Technology</i> , 2012, 46, 3655-3670.	10.0	373
48	Response to Comment on “Critical Review of Pd-Based Catalytic Treatment of Priority Contaminants in Water”. <i>Environmental Science & Technology</i> , 2012, 46, 11469-11470.	10.0	10
49	Urban impacts analysis on hydrochemical and hydrogeological evolution of groundwater in shallow aquifer Linares, Mexico. <i>Environmental Earth Sciences</i> , 2012, 66, 1871-1880.	2.7	14
50	Comparison of tracer methods to quantify hydrodynamic exchange within the hyporheic zone. <i>Journal of Hydrology</i> , 2011, 400, 255-266.	5.4	67
51	Wenig ist mehr: Hydrogeologie arider Gebiete. <i>Grundwasser</i> , 2010, 15, 219-219.	1.4	0
52	Technico-economic assessment of groundwater treatment by palladium-on-zeolite-catalyst in comparison to GAC fixed bed adsorbers. <i>Water Science and Technology</i> , 2010, 62, 708-718.	2.5	5
53	Modelling of geochemical and isotopic changes in a column experiment for degradation of TCE by zero-valent iron. <i>Journal of Contaminant Hydrology</i> , 2008, 97, 13-26.	3.3	28
54	Vacuum assisted removal of volatile to semi volatile organic contaminants from water using hollow fiber membrane contactorsII: A hybrid numerical-analytical modeling approach. <i>Journal of Membrane Science</i> , 2007, 292, 17-28.	8.2	15

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55	Monitoring and evaluation of dechlorination processes using compound-specific chlorine isotope analysis. Rapid Communications in Mass Spectrometry, 2007, 21, 3077-3084.	1.5	94
56	Vacuum assisted removal of volatile to semi-volatile organic contaminants from water using hollow fiber membrane contactors!: Experimental results. Journal of Membrane Science, 2007, 292, 9-16.	8.2	9
57	Field application of a tailored catalyst for hydrodechlorinating chlorinated hydrocarbon contaminants in groundwater. Applied Catalysis B: Environmental, 2004, 52, 197-203.	20.2	61
58	Katalytische Hydrodechlorierung von LCKW im Rahmen der Abstromsicherung mittels "Drain-and-Gate" am Standort Denkendorf. Grundwasser, 2003, 8, 140-145.	1.4	5
59	Carbon and hydrogen isotope effects during sorption of organic contaminants on carbonaceous materials. Journal of Contaminant Hydrology, 2003, 64, 269-281.	3.3	88
60	Carbon isotope fractionation during reductive dechlorination of TCE in batch experiments with iron samples from reactive barriers. Journal of Contaminant Hydrology, 2003, 66, 25-37.	3.3	35
61	Carbon Isotope Fractionation during Aerobic Biodegradation of Trichloroethene by Burkholderia cepacia G4: a Tool To Map Degradation Mechanisms. Applied and Environmental Microbiology, 2002, 68, 1728-1734.	3.1	60
62	Solubility-Normalized Combined Adsorption-Partitioning Sorption Isotherms for Organic Pollutants. Environmental Science & Technology, 2002, 36, 4689-4697.	10.0	216
63	Katalytische Dechlorierung von Chlorkohlenwasserstoffen aus kontaminierten Grundwässern. Grundwasser, 2002, 7, 140-145.	1.4	7
64	Carbon isotope fractionation during abiotic reductive dehalogenation of trichloroethene (TCE). Chemosphere, 2001, 44, 1281-1286.	8.2	41
65	Tailoring catalysts for hydrodechlorinating chlorinated hydrocarbon contaminants in groundwater. Applied Catalysis B: Environmental, 2000, 28, 147-152.	20.2	71
66	Binary Desorption Isotherms of TCE and PCE from Silica Gel and Natural Solids. Environmental Science & Technology, 2000, 34, 4341-4347.	10.0	19
67	Hydrodechlorination and hydrogenation of aromatic compounds over palladium on alumina in hydrogen-saturated water. Applied Catalysis B: Environmental, 1998, 18, 215-221.	20.2	162
68	Groundwater Flow Model Calibration of a Coastal Multilayer Aquifer System Based on Statistical Sensitivity Analysis. Environmental Modeling and Assessment, 0, , 1.	2.2	3