

Christoph SchÃ¼th

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

2,433
citations

236833

25
h-index

206029

48
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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. <i>Water (Switzerland)</i> , 2022, 14, 475.	1.2	4
2	Combination of zeolite barrier and bio sparging techniques to enhance efficiency of organic hydrocarbon remediation in a model of shallow groundwater. <i>Chemosphere</i> , 2021, 273, 128555.	4.2	15
3	Estimating water balance components in irrigated agriculture using a combined approach of soil moisture and energy balance monitoring, and numerical modelling. <i>Hydrological Processes</i> , 2021, 35, e14077.	1.1	7
4	A simple and robust wetland classification approach by using optical indices, unsupervised and supervised machine learning algorithms. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 23, 100569.	0.8	9
5	Age and origin of groundwater resources in the Ararat Valley, Armenia: a baseline study applying hydrogeochemistry and environmental tracers. <i>Hydrogeology Journal</i> , 2021, 29, 2517-2527.	0.9	4
6	Themenheft "Grundwasserschutz und Grundwasserbewirtschaftung im Klimawandel". <i>Grundwasser</i> , 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. <i>Science of the Total Environment</i> , 2020, 710, 136213.	3.9	27
8	Mechanistic evaluation of biochar potential for plant growth promotion and alleviation of chromium-induced phytotoxicity in <i>Ficus elastica</i> . <i>Chemosphere</i> , 2020, 243, 125332.	4.2	27
9	Effect of water leaching on biochar properties and its impact on organic contaminant sorption. <i>Environmental Science and Pollution Research</i> , 2020, 27, 691-703.	2.7	10
10	Optimization of compound-specific chlorine stable isotope analysis of chloroform using the Taguchi design of experiments. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8922.	0.7	3
11	Low Trihalomethane Formation during Managed Aquifer Recharge with Chlorinated Desalinated Water. <i>Water (Switzerland)</i> , 2020, 12, 711.	1.2	4
12	Climate change or irrigated agriculture " what drives the water level decline of Lake Urmia. <i>Scientific Reports</i> , 2020, 10, 236.	1.6	92
13	Possible factors for increasing water salinity in an embanked coastal island in the southwest Bengal Delta of Bangladesh. <i>Science of the Total Environment</i> , 2020, 713, 136668.	3.9	25
14	A low-cost environmental chamber to simulate warm climatic conditions. <i>Vadose Zone Journal</i> , 2020, 19, e20023.	1.3	6
15	Spatially distributed model calibration of a highly managed hydrological system using remote sensing-derived ET data. <i>Journal of Hydrology</i> , 2019, 577, 123944.	2.3	55
16	The evolution of the groundwater quality in the alluvial aquifers of the south-western part of Bengal Basin, Bangladesh. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	10
17	Assessment of soil buffer capacity on nutrients and pharmaceuticals in nature-based solution applications. <i>Environmental Science and Pollution Research</i> , 2019, 26, 759-774.	2.7	14
18	Sedimentary archive of Polycyclic Aromatic Hydrocarbons and perylene sources in the northern part of Taihu Lake, China. <i>Environmental Pollution</i> , 2019, 246, 198-206.	3.7	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.	3.9	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.	3.9	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.	4.2	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.	1.3	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.	1.4	27
25	Hydrodynamic analysis of a Mediterranean aquifer system with the use of hydrochemical and isotopic analysis as supporting tools. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	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.	1.9	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.	1.4	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.	3.9	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.	0.9	30
30	Improving large-scale groundwater models by considering fossil gradients. <i>Advances in Water Resources</i> , 2017, 103, 32-43.	1.7	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.	1.7	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.	0.7	8
33	YouTube as a crowd-generated water level archive. <i>Science of the Total Environment</i> , 2016, 568, 189-195.	3.9	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.	3.9	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.	1.1	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.	1.3	15
38	Spatial variation of boron in groundwater in South Iraq. <i>International Journal of Environmental Studies</i> , 2015, 72, 696-712.	0.7	3
39	Groundwater evaporation from salt pans: Examples from the eastern Arabian Peninsula. <i>Journal of Hydrology</i> , 2015, 531, 792-801.	2.3	35
40	Isotopic and chemical composition of precipitation in Riyadh, Saudi Arabia. <i>Chemical Geology</i> , 2015, 413, 51-62.	1.4	29
41	The Riddle of the Springs of Dilmunâ€”Does the Gilgamesh Epic Tell the Truth?. <i>Ground Water</i> , 2014, 52, 640-644.	0.7	11
42	Complexity vs. Simplicity: Groundwater Model Ranking Using Information Criteria. <i>Ground Water</i> , 2014, 52, 573-583.	0.7	20
43	Reactive Transport of lomeprol during Stream-Groundwater Interactions. <i>Environmental Science & Technology</i> , 2014, 48, 199-207.	4.6	20
44	Matrix versus fracture permeability in a regional sandstone aquifer (Wajid sandstone, SW Saudi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	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.	2.7	31
46	Suitability of temperature, hydraulic heads, and acesulfame to quantify wastewaterâ€related fluxes in the hyporheic and riparian zone. <i>Water Resources Research</i> , 2013, 49, 426-440.	1.7	49
47	Critical Review of Pd-Based Catalytic Treatment of Priority Contaminants in Water. <i>Environmental Science & Technology</i> , 2012, 46, 3655-3670.	4.6	373
48	Response to Comment on â€œCritical Review of Pd-Based Catalytic Treatment of Priority Contaminants in Waterâ€ Environmental Science & Technology, 2012, 46, 11469-11470.	4.6	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.	1.3	14
50	Comparison of tracer methods to quantify hydrodynamic exchange within the hyporheic zone. <i>Journal of Hydrology</i> , 2011, 400, 255-266.	2.3	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.	1.2	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.	1.6	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.	4.1	15

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55	Monitoring and evaluation of dechlorination processes using compound-specific chlorine isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3077-3084.	0.7	94
56	Vacuum assisted removal of volatile to semi-volatile organic contaminants from water using hollow fiber membrane contactors: Experimental results. <i>Journal of Membrane Science</i> , 2007, 292, 9-16.	4.1	9
57	Field application of a tailored catalyst for hydrodechlorinating chlorinated hydrocarbon contaminants in groundwater. <i>Applied Catalysis B: Environmental</i> , 2004, 52, 197-203.	10.8	61
58	Katalytische Hydrodechlorierung von LCKW im Rahmen der Abstromsicherung mittels ?Drain-and-Gate? am Standort Denkendorf. <i>Grundwasser</i> , 2003, 8, 140-145.	1.4	5
59	Carbon and hydrogen isotope effects during sorption of organic contaminants on carbonaceous materials. <i>Journal of Contaminant Hydrology</i> , 2003, 64, 269-281.	1.6	88
60	Carbon isotope fractionation during reductive dechlorination of TCE in batch experiments with iron samples from reactive barriers. <i>Journal of Contaminant Hydrology</i> , 2003, 66, 25-37.	1.6	35
61	Carbon Isotope Fractionation during Aerobic Biodegradation of Trichloroethene by <i>Burkholderia cepacia</i> G4: a Tool To Map Degradation Mechanisms. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1728-1734.	1.4	60
62	Solubility-Normalized Combined Adsorption-Partitioning Sorption Isotherms for Organic Pollutants. <i>Environmental Science & Technology</i> , 2002, 36, 4689-4697.	4.6	216
63	Katalytische Dechlorierung von Chlorkohlenwasserstoffen aus kontaminierten GrundwÄssern. <i>Grundwasser</i> , 2002, 7, 140-145.	1.4	7
64	Carbon isotope fractionation during abiotic reductive dehalogenation of trichloroethene (TCE). <i>Chemosphere</i> , 2001, 44, 1281-1286.	4.2	41
65	Tailoring catalysts for hydrodechlorinating chlorinated hydrocarbon contaminants in groundwater. <i>Applied Catalysis B: Environmental</i> , 2000, 28, 147-152.	10.8	71
66	Binary Desorption Isotherms of TCE and PCE from Silica Gel and Natural Solids. <i>Environmental Science & Technology</i> , 2000, 34, 4341-4347.	4.6	19
67	Hydrodechlorination and hydrogenation of aromatic compounds over palladium on alumina in hydrogen-saturated water. <i>Applied Catalysis B: Environmental</i> , 1998, 18, 215-221.	10.8	162
68	Groundwater Flow Model Calibration of a Coastal Multilayer Aquifer System Based on Statistical Sensitivity Analysis. <i>Environmental Modeling and Assessment</i> , 0, , 1.	1.2	3