

Christoph SchÃ¼th

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

2,433
citations

270111

25
h-index

232693

48
g-index

77
all docs

77
docs citations

77
times ranked

3557
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, Coxâ€™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€”. <i>Environmental Science & Technology</i> , 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 |