

Samuel C. Zipper

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,360
citations

186265

28
h-index

223800

46
g-index

84
all docs

84
docs citations

84
times ranked

3351
citing authors

#	ARTICLE	IF	CITATIONS
1	Runoff change induced by vegetation recovery and climate change over carbonate and non-carbonate areas in the karst region of South-west China. <i>Journal of Hydrology</i> , 2022, 604, 127231.	5.4	10
2	Hotspots for social and ecological impacts from freshwater stress and storage loss. <i>Nature Communications</i> , 2022, 13, 439.	12.8	45
3	Advancing environmental flows approaches to streamflow depletion management. <i>Journal of Hydrology</i> , 2022, 607, 127447.	5.4	17
4	Quantifying Streamflow Depletion from Groundwater Pumping: A Practical Review of Past and Emerging Approaches for Water Management. <i>Journal of the American Water Resources Association</i> , 2022, 58, 289-312.	2.4	19
5	Reconceptualizing the hyporheic zone for nonperennial rivers and streams. <i>Freshwater Science</i> , 2022, 41, 167-182.	1.8	15
6	How High to Fly? Mapping Evapotranspiration from Remotely Piloted Aircrafts at Different Elevations. <i>Remote Sensing</i> , 2022, 14, 1660.	4.0	5
7	The Role of Climate in Monthly Baseflow Changes across the Continental United States. <i>Journal of Hydrologic Engineering - ASCE</i> , 2022, 27, .	1.9	9
8	Assessing placement bias of the global river gauge network. <i>Nature Sustainability</i> , 2022, 5, 586-592.	23.7	51
9	Alternative stable states and hydrological regime shifts in a large intermittent river. <i>Environmental Research Letters</i> , 2022, 17, 074005.	5.2	10
10	Quantifying the Impact of Lagged Hydrological Responses on the Effectiveness of Groundwater Conservation. <i>Water Resources Research</i> , 2022, 58, .	4.2	5
11	Spatial Patterns and Drivers of Nonperennial Flow Regimes in the Contiguous United States. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL090794.	4.0	54
12	Comparing Streamflow Depletion Estimation Approaches in a Heavily Stressed, Conjunctively Managed Aquifer. <i>Water Resources Research</i> , 2021, 57, e2020WR027591.	4.2	11
13	The Drying Regimes of Non-Perennial Rivers and Streams. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093298.	4.0	18
14	Pervasive changes in stream intermittency across the United States. <i>Environmental Research Letters</i> , 2021, 16, 084033.	5.2	47
15	Cannabis farms in California rely on wells outside of regulated groundwater basins. <i>Environmental Research Communications</i> , 2021, 3, 075005.	2.3	2
16	Exploring the relative importance of socio-ecological factors to ecosystem services clusters: a support to spatially targeted management. <i>Environmental Research Letters</i> , 2021, 16, 084053.	5.2	7
17	Too Many Streams and Not Enough Time or Money? Analytical Depletion Functions for Streamflow Depletion Estimates. <i>Ground Water</i> , 2021, , .	1.3	3
18	Significant Baseflow Reduction in the Sao Francisco River Basin. <i>Water (Switzerland)</i> , 2021, 13, 2.	2.7	24

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19	GMD perspective: The quest to improve the evaluation of groundwater representation in continental-to global-scale models. <i>Geoscientific Model Development</i> , 2021, 14, 7545-7571.	3.6	38
20	The evolution of virtual water flows in China's electricity transmission network and its driving forces. <i>Journal of Cleaner Production</i> , 2020, 242, 118336.	9.3	29
21	Adding our leaves: A community-wide perspective on research directions in ecohydrology. <i>Hydrological Processes</i> , 2020, 34, 1665-1673.	2.6	3
22	Illuminating water cycle modifications and Earth system resilience in the Anthropocene. <i>Water Resources Research</i> , 2020, 56, e2019WR024957.	4.2	86
23	Streamflow depletion from groundwater pumping in contrasting hydrogeological landscapes: Evaluation and sensitivity of a new management tool. <i>Journal of Hydrology</i> , 2020, 590, 125568.	5.4	9
24	A Serious Board Game to Analyze Socio-Ecological Dynamics towards Collaboration in Agriculture. <i>Sustainability</i> , 2020, 12, 5301.	3.2	15
25	The Water Planetary Boundary: Interrogation and Revision. <i>One Earth</i> , 2020, 2, 223-234.	6.8	98
26	Transitions from irrigated to dryland agriculture in the Ogallala Aquifer: Land use suitability and regional economic impacts. <i>Agricultural Water Management</i> , 2020, 233, 106061.	5.6	69
27	Integrating the Water Planetary Boundary With Water Management From Local to Global Scales. <i>Earth's Future</i> , 2020, 8, e2019EF001377.	6.3	65
28	Zero or not? Causes and consequences of zero-flow stream gage readings. <i>Wiley Interdisciplinary Reviews: Water</i> , 2020, 7, e1436.	6.5	63
29	Management of minimum lake levels and impacts on flood mitigation: A case study of the Yahara Watershed, Wisconsin, USA. <i>Journal of Hydrology</i> , 2019, 577, 123920.	5.4	4
30	Comparing the effects of climate and land use on surface water quality using future watershed scenarios. <i>Science of the Total Environment</i> , 2019, 693, 133484.	8.0	20
31	Integrating team science into interdisciplinary graduate education: an exploration of the SESYNC Graduate Pursuit. <i>Journal of Environmental Studies and Sciences</i> , 2019, 9, 218-233.	2.0	11
32	Balancing Open Science and Data Privacy in the Water Sciences. <i>Water Resources Research</i> , 2019, 55, 5202-5211.	4.2	40
33	Rapid and Accurate Estimates of Streamflow Depletion Caused by Groundwater Pumping Using Analytical Depletion Functions. <i>Water Resources Research</i> , 2019, 55, 5807-5829.	4.2	29
34	Nonlinear groundwater influence on biophysical indicators of ecosystem services. <i>Nature Sustainability</i> , 2019, 2, 475-483.	23.7	42
35	Land use change impacts on European heat and drought: remote land-atmosphere feedbacks mitigated locally by shallow groundwater. <i>Environmental Research Letters</i> , 2019, 14, 044012.	5.2	24
36	Combining Evapotranspiration and Soil Apparent Electrical Conductivity Mapping to Identify Potential Precision Irrigation Benefits. <i>Remote Sensing</i> , 2019, 11, 2460.	4.0	9

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37	Cannabis and residential groundwater pumping impacts on streamflow and ecosystems in Northern California. <i>Environmental Research Communications</i> , 2019, 1, 125005.	2.3	20
38	Sociohydrological Impacts of Water Conservation Under Anthropogenic Drought in Austin, TX (USA). <i>Water Resources Research</i> , 2018, 54, 3062-3080.	4.2	33
39	Understanding relationships among ecosystem services across spatial scales and over time. <i>Environmental Research Letters</i> , 2018, 13, 054020.	5.2	76
40	Does hillslope trenching enhance groundwater recharge and baseflow in the Peruvian Andes?. <i>Hydrological Processes</i> , 2018, 32, 318-331.	2.6	26
41	Agricultural Research Using Social Media Data. <i>Agronomy Journal</i> , 2018, 110, 349-358.	1.8	18
42	Scenarios reveal pathways to sustain future ecosystem services in an agricultural landscape. <i>Ecological Applications</i> , 2018, 28, 119-134.	3.8	34
43	Groundwater Controls on Postfire Permafrost Thaw: Water and Energy Balance Effects. <i>Journal of Geophysical Research F: Earth Surface</i> , 2018, 123, 2677-2694.	2.8	26
44	Groundwater Pumping Impacts on Real Stream Networks: Testing the Performance of Simple Management Tools. <i>Water Resources Research</i> , 2018, 54, 5471-5486.	4.2	26
45	The synergistic effect of manure supply and extreme precipitation on surface water quality. <i>Environmental Research Letters</i> , 2018, 13, 044016.	5.2	32
46	Changing groundwater discharge dynamics in permafrost regions. <i>Environmental Research Letters</i> , 2018, 13, 084017.	5.2	101
47	Continuous separation of land use and climate effects on the past and future water balance. <i>Journal of Hydrology</i> , 2018, 565, 106-122.	5.4	30
48	Urban heat island-induced increases in evapotranspirative demand. <i>Geophysical Research Letters</i> , 2017, 44, 873-881.	4.0	65
49	The Influence of Legacy P on Lake Water Quality in a Midwestern Agricultural Watershed. <i>Ecosystems</i> , 2017, 20, 1468-1482.	3.4	60
50	Quantifying indirect groundwater-mediated effects of urbanization on agroecosystem productivity using MODFLOW-AgroIBIS (MAGI), a complete critical zone model. <i>Ecological Modelling</i> , 2017, 359, 201-219.	2.5	34
51	Socio-environmental drought response in a mixed urban-agricultural setting: synthesizing biophysical and governance responses in the Platte River Watershed, Nebraska, USA. <i>Ecology and Society</i> , 2017, 22, .	2.3	14
52	Arctic Deltaic Lake Sediments As Recorders of Fluvial Organic Matter Deposition. <i>Frontiers in Earth Science</i> , 2016, 4, .	1.8	12
53	How Universal Is the Relationship between Remotely Sensed Vegetation Indices and Crop Leaf Area Index? A Global Assessment. <i>Remote Sensing</i> , 2016, 8, 597.	4.0	91
54	Urban heat island impacts on plant phenology: intra-urban variability and response to land cover. <i>Environmental Research Letters</i> , 2016, 11, 054023.	5.2	148

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55	Wicked but worth it: student perspectives on socio-hydrology. <i>Hydrological Processes</i> , 2016, 30, 1467-1472.	2.6	17
56	Drought effects on US maize and soybean production: spatiotemporal patterns and historical changes. <i>Environmental Research Letters</i> , 2016, 11, 094021.	5.2	212
57	From qualitative to quantitative environmental scenarios: Translating storylines into biophysical modeling inputs at the watershed scale. <i>Environmental Modelling and Software</i> , 2016, 85, 80-97.	4.5	44
58	Is groundwater recharge always serving us well? Water supply provisioning, crop production, and flood attenuation in conflict in Wisconsin, USA. <i>Ecosystem Services</i> , 2016, 21, 153-165.	5.4	25
59	From channelization to restoration: Sociohydrologic modeling with changing community preferences in the Kissimmee River Basin, Florida. <i>Water Resources Research</i> , 2016, 52, 1227-1244.	4.2	59
60	Untangling the effects of shallow groundwater and soil texture as drivers of subfield-scale yield variability. <i>Water Resources Research</i> , 2015, 51, 6338-6358.	4.2	91
61	Using evapotranspiration to assess drought sensitivity on a subfield scale with HRMET, a high resolution surface energy balance model. <i>Agricultural and Forest Meteorology</i> , 2014, 197, 91-102.	4.8	39