

Aaron R Mittelstet

List of Publications by Year in descending order

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papers

599
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759233

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42
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Literature Review: Global Neonicotinoid Insecticide Occurrence in Aquatic Environments. <i>Water (Switzerland)</i> , 2020, 12, 3388.	2.7	75
2	Mitigating the risk of atrazine exposure: Identifying hot spots and hot times in surface waters across Nebraska, USA. <i>Journal of Environmental Management</i> , 2019, 250, 109424.	7.8	55
3	Comparison of subsurface and surface runoff phosphorus transport rates in alluvial floodplains. <i>Agriculture, Ecosystems and Environment</i> , 2011, 141, 417-425.	5.3	34
4	Impact of Eastern Redcedar Proliferation on Water Resources in the Great Plains USAâ€”Current State of Knowledge. <i>Water (Switzerland)</i> , 2018, 10, 1768.	2.7	33
5	Stageâ€”dependent transient storage of phosphorus in alluvial floodplains. <i>Hydrological Processes</i> , 2011, 25, 3230-3243.	2.6	31
6	The hydraulic conductivity structure of gravel-dominated vadose zones within alluvial floodplains. <i>Journal of Hydrology</i> , 2014, 513, 229-240.	5.4	26
7	Development and Testing of an Inâ€”stream Phosphorus Cycling Model for the Soil and Water Assessment Tool. <i>Journal of Environmental Quality</i> , 2014, 43, 215-223.	2.0	25
8	Landscape and flow metrics affecting the distribution of a federally-threatened fish: Improving management, model fit, and model transferability. <i>Ecological Modelling</i> , 2016, 342, 1-18.	2.5	24
9	Baseflow nitrate dynamics within nested watersheds of an agricultural stream in Nebraska, USA. <i>Agriculture, Ecosystems and Environment</i> , 2021, 308, 107223.	5.3	20
10	Predicting <i>Escherichia coli</i> loads in cascading dams with machine learning: An integration of hydrometeorology, animal density and grazing pattern. <i>Science of the Total Environment</i> , 2020, 722, 137894.	8.0	18
11	The application of SWAT-GIS tool to improve the recharge factor in the DRASTIC framework: Case study. <i>Journal of Hydrology</i> , 2021, 592, 125613.	5.4	18
12	Evaluation of selected watershed characteristics to identify best management practices to reduce Nebraskan nitrate loads from Nebraska to the Mississippi/Atchafalaya River basin. <i>Agriculture, Ecosystems and Environment</i> , 2019, 277, 1-10.	5.3	15
13	Comparing an Annual and a Daily Timeâ€”Step Model for Predicting Fieldâ€”Scale Phosphorus Loss. <i>Journal of Environmental Quality</i> , 2017, 46, 1314-1322.	2.0	14
14	The assessment of water resources in ungauged catchments in Rwanda. <i>Journal of Hydrology: Regional Studies</i> , 2017, 13, 274-289.	2.4	13
15	<i>Escherichia coli</i> concentrations in waters of a reservoir system impacted by cattle and migratory waterfowl. <i>Science of the Total Environment</i> , 2020, 705, 135607.	8.0	13
16	Measuring the occurrence of antibiotics in surface water adjacent to cattle grazing areas using passive samplers. <i>Science of the Total Environment</i> , 2020, 726, 138296.	8.0	13
17	Pesticide occurrence and persistence entering recreational lakes in watersheds of varying land uses. <i>Environmental Pollution</i> , 2021, 273, 116399.	7.5	13
18	Determination of vadose zone and saturated zone nitrate lag times using long-term groundwater monitoring data and statistical machine learning. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 811-829.	4.9	12

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19	Testing of the Modified Streambank Erosion and Instream Phosphorus Routines for the SWAT Model. <i>Journal of the American Water Resources Association</i> , 2017, 53, 101-114.	2.4	11
20	Evaluation of the TBET Model for Potential Improvement of Southern P Indices. <i>Journal of Environmental Quality</i> , 2017, 46, 1341-1348.	2.0	11
21	Quantifying Effectiveness of Streambank Stabilization Practices on Cedar River, Nebraska. <i>Water (Switzerland)</i> , 2017, 9, 930.	2.7	11
22	Assessing Decadal Trends of a Nitrate-Contaminated Shallow Aquifer in Western Nebraska Using Groundwater Isotopes, Age-Dating, and Monitoring. <i>Water (Switzerland)</i> , 2018, 10, 1047.	2.7	10
23	Quantifying Legacy Phosphorus Using a Mass Balance Approach and Uncertainty Analysis. <i>Journal of the American Water Resources Association</i> , 2016, 52, 1297-1310.	2.4	9
24	Recharge seasonality based on stable isotopes: Nongrowing season bias altered by irrigation in Nebraska. <i>Hydrological Processes</i> , 2020, 34, 1575-1586.	2.6	9
25	Comparison of Aquifer Sustainability Under Groundwater Administrations in Oklahoma and Texas ¹ . <i>Journal of the American Water Resources Association</i> , 2011, 47, 424-431.	2.4	8
26	Influence of watershed characteristics on streambed hydraulic conductivity across multiple stream orders. <i>Scientific Reports</i> , 2020, 10, 3696.	3.3	8
27	Modeling and Prioritizing Interventions Using Pollution Hotspots for Reducing Nutrients, Atrazine and E. coli Concentrations in a Watershed. <i>Sustainability</i> , 2021, 13, 103.	3.2	8
28	Streambed Flux Measurement Informed by Distributed Temperature Sensing Leads to a Significantly Different Characterization of Groundwater Discharge. <i>Water (Switzerland)</i> , 2019, 11, 2312.	2.7	7
29	Effects of drought on groundwater-fed lake areas in the Nebraska Sand Hills. <i>Journal of Hydrology: Regional Studies</i> , 2021, 36, 100877.	2.4	7
30	Modeling Streambank Erosion on Composite Streambanks on a Watershed Scale. <i>Transactions of the ASABE</i> , 2017, 60, 753-767.	1.1	6
31	Unit-bar migration and bar-trough deposition: impacts on hydraulic conductivity and grain size heterogeneity in a sandy streambed. <i>Hydrogeology Journal</i> , 2018, 26, 553-564.	2.1	6
32	Nitrate Removal by Floating Treatment Wetlands Amended with Spent Coffee: A Mesocosm-Scale Evaluation. <i>Transactions of the ASABE</i> , 2019, 62, 1619-1630.	1.1	5
33	Knowledge-guided machine learning for improving daily soil temperature prediction across the United States. <i>Vadose Zone Journal</i> , 2021, 20, e20151.	2.2	5
34	A biological and chemical approach to restoring water quality: A case study in an urban eutrophic pond. <i>Journal of Environmental Management</i> , 2022, 318, 115463.	7.8	5
35	Estimating groundwater mean transit time from SF6 in stream water: field example and planning metrics for a reach mass-balance approach. <i>Hydrogeology Journal</i> , 2022, 30, 479.	2.1	4
36	Using Automated Seepage Meters to Quantify the Spatial Variability and Net Flux of Groundwater to a Stream. <i>Water Resources Research</i> , 2022, 58, .	4.2	4

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37	Geostatistical features of streambed vertical hydraulic conductivities in Frenchman Creek Watershed in Western Nebraska. <i>Hydrological Processes</i> , 2020, 34, 3481-3491.	2.6	3
38	Impact of an Extreme Flood Event on Streambank Retreat: Cedar River, Nebraska, USA. <i>Journal of the American Water Resources Association</i> , 2020, 56, 528-541.	2.4	3
39	Impact of Bank Stabilization Structures on Upstream and Downstream Bank Mobilization at Cedar River, Nebraska. <i>Transactions of the ASABE</i> , 2021, 64, 1555-1567.	1.1	3
40	Groundwater level assessment and prediction in the Nebraska Sand Hills using LIDAR-derived lake water level. <i>Journal of Hydrology</i> , 2021, 600, 126582.	5.4	3
41	Evolution of three streambanks before and after stabilization and record flooding. <i>Ecological Engineering</i> , 2021, 170, 106357.	3.6	1
42	Application of an Ultrasonic Sensor to Monitor Soil Erosion and Deposition. <i>Transactions of the ASABE</i> , 2021, 64, 963-974.	1.1	0