

Kimberly J Van Meter

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,342
citations

331670

21
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

2470
citing authors

#	ARTICLE	IF	CITATIONS
1	River dam impacts on biogeochemical cycling. <i>Nature Reviews Earth & Environment</i> , 2020, 1, 103-116.	29.7	372
2	Legacy nitrogen may prevent achievement of water quality goals in the Gulf of Mexico. <i>Science</i> , 2018, 360, 427-430.	12.6	262
3	The nitrogen legacy: emerging evidence of nitrogen accumulation in anthropogenic landscapes. <i>Environmental Research Letters</i> , 2016, 11, 035014.	5.2	249
4	Wetlands as large-scale nature-based solutions: Status and challenges for research, engineering and management. <i>Ecological Engineering</i> , 2017, 108, 489-497.	3.6	217
5	Two centuries of nitrogen dynamics: Legacy sources and sinks in the Mississippi and Susquehanna River Basins. <i>Global Biogeochemical Cycles</i> , 2017, 31, 2-23.	4.9	199
6	Signatures of human impact: size distributions and spatial organization of wetlands in the Prairie Pothole landscape. <i>Ecological Applications</i> , 2015, 25, 451-465.	3.8	122
7	Maximizing US nitrate removal through wetland protection and restoration. <i>Nature</i> , 2020, 588, 625-630.	27.8	113
8	Time lags in watershed-scale nutrient transport: an exploration of dominant controls. <i>Environmental Research Letters</i> , 2017, 12, 084017.	5.2	112
9	Managing nitrogen legacies to accelerate water quality improvement. <i>Nature Geoscience</i> , 2022, 15, 97-105.	12.9	112
10	Catchment Legacies and Time Lags: A Parsimonious Watershed Model to Predict the Effects of Legacy Storage on Nitrogen Export. <i>PLoS ONE</i> , 2015, 10, e0125971.	2.5	104
11	Review: the environmental status and implications of the nitrate time lag in Europe and North America. <i>Hydrogeology Journal</i> , 2018, 26, 7-22.	2.1	53
12	Monsoon Harvests: The Living Legacies of Rainwater Harvesting Systems in South India. <i>Environmental Science & Technology</i> , 2014, 48, 4217-4225.	10.0	50
13	Water security and rainwater harvesting: A conceptual framework and candidate indicators. <i>Applied Geography</i> , 2016, 76, 75-84.	3.7	43
14	A Race Against Time: Modeling Time Lags in Watershed Response. <i>Water Resources Research</i> , 2019, 55, 3941-3959.	4.2	43
15	Long-Term Shifts in U.S. Nitrogen Sources and Sinks Revealed by the New TRENDS Nitrogen Data Set (1930-2017). <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006626.	4.9	38
16	Chesapeake legacies: the importance of legacy nitrogen to improving Chesapeake Bay water quality. <i>Environmental Research Letters</i> , 2021, 16, 085002.	5.2	38
17	The need to integrate legacy nitrogen storage dynamics and time lags into policy and practice. <i>Science of the Total Environment</i> , 2021, 781, 146698.	8.0	31
18	The socioecohydrology of rainwater harvesting in India: understanding water storage and release dynamics across spatial scales. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2629-2647.	4.9	30

#	ARTICLE	IF	CITATIONS
19	Beyond the Mass Balance: Watershed Phosphorus Legacies and the Evolution of the Current Water Quality Policy Challenge. <i>Water Resources Research</i> , 2021, 57, e2020WR029316.	4.2	29
20	Biogeochemical asynchrony: Ecosystem drivers of seasonal concentration regimes across the Great Lakes Basin. <i>Limnology and Oceanography</i> , 2020, 65, 848-862.	3.1	28
21	Is the River a Chemostat?: Scale Versus Land Use Controls on Nitrate Concentrationâ€Discharge Dynamics in the Upper Mississippi River Basin. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087051.	4.0	28
22	Agricultural phosphorus surplus trajectories for Ontario, Canada (1961â€2016), and erosional export risk. <i>Science of the Total Environment</i> , 2022, 818, 151717.	8.0	16
23	Checkered landscapes: hydrologic and biogeochemical nitrogen legacies along the river continuum. <i>Environmental Research Letters</i> , 2021, 16, 115006.	5.2	13
24	Intensive agriculture, nitrogen legacies, and water quality: intersections and implications. <i>Environmental Research Letters</i> , 2022, 17, 035006.	5.2	13
25	Characterizing Catchmentâ€Scale Nitrogen Legacies and Constraining Their Uncertainties. <i>Water Resources Research</i> , 2022, 58, .	4.2	8
26	The role of groundwater discharge fluxes on Si:P ratios in a major tributary to Lake Erie. <i>Science of the Total Environment</i> , 2018, 622-623, 814-824.	8.0	5
27	Response to Comment on â€œLegacy nitrogen may prevent achievement of water quality goals in the Gulf of Mexicoâ€ Science, 2019, 365, .	12.6	5
28	Nitrogen legacies in anthropogenic landscapes: a case study in the Mondego Basin in Portugal. <i>Environmental Science and Pollution Research</i> , 2022, 29, 23919-23935.	5.3	3