

Mark Rains

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,804
citations

331259

21
h-index

288905

40
g-index

41
all docs

41
docs citations

41
times ranked

1841
citing authors

#	ARTICLE	IF	CITATIONS
1	Vulnerable Waters are Essential to Watershed Resilience. <i>Ecosystems</i> , 2023, 26, 1-28.	1.6	21
2	Why is calcite a strong phosphorus sink in freshwater? Investigating the adsorption mechanism using batch experiments and surface complexation modeling. <i>Chemosphere</i> , 2022, 286, 131596.	4.2	7
3	The Peculiar Hydrology of West-Central Florida's Sandhill Wetlands, Ponds, and Lakes "Part 2: Hydrogeologic Controls. <i>Wetlands</i> , 2022, 42, .	0.7	7
4	Linking landscape attributes to salmon and decision-making in the southern Kenai Lowlands, Alaska, USA. <i>Ecology and Society</i> , 2021, 26, .	1.0	18
5	The Peculiar Hydrology of West-Central Florida's Sandhill Wetlands, Ponds, and Lakes"Part 1: Physical and Chemical Evidence of Connectivity to a Regional Water-Supply Aquifer. <i>Wetlands</i> , 2021, 41, 1.	0.7	6
6	Distorting science, putting water at risk. <i>Science</i> , 2020, 369, 766-768.	6.0	25
7	A Hydrologic Landscapes Perspective on Groundwater Connectivity of Depressional Wetlands. <i>Water (Switzerland)</i> , 2020, 12, 50.	1.2	20
8	Where's the Science? Recent Changes to Clean Water Act Threaten Wetlands and Thousands of Miles of Our Nation's Rivers and Streams. <i>Environmental Engineering Science</i> , 2020, 37, 173-177.	0.8	9
9	The proposed change to the definition of "waters of the United States" flouts sound science. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11558-11561.	3.3	34
10	Shifting Ground: Landscape-Scale Modeling of Biogeochemical Processes under Climate Change in the Florida Everglades. <i>Environmental Management</i> , 2019, 64, 416-435.	1.2	4
11	Soil indicators of hydrologic health and resilience in cypress domes of West-Central Florida. <i>Ecological Indicators</i> , 2019, 97, 269-279.	2.6	8
12	Solute evidence for hydrological connectivity of geographically isolated wetlands. <i>Land Degradation and Development</i> , 2018, 29, 3954-3962.	1.8	26
13	Nitrogen Subsidies from Hillslope Alder Stands to Streamside Wetlands and Headwater Streams, Kenai Peninsula, Alaska. <i>Journal of the American Water Resources Association</i> , 2017, 53, 478-492.	1.0	13
14	Rapid and Intense Phosphate Desorption Kinetics When Saltwater Intrudes into Carbonate Rock. <i>Estuaries and Coasts</i> , 2017, 40, 1301-1313.	1.0	4
15	The Significant Surface-Water Connectivity of "Geographically Isolated Wetlands". <i>Wetlands</i> , 2017, 37, 801-806.	0.7	23
16	Saltwater intrusion as potential driver of phosphorus release from limestone bedrock in a coastal aquifer. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 184, 166-176.	0.9	35
17	Enhancing protection for vulnerable waters. <i>Nature Geoscience</i> , 2017, 10, 809-815.	5.4	141
18	Catchment-scale alder cover controls nitrogen fixation in boreal headwater streams. <i>Freshwater Science</i> , 2017, 36, 523-532.	0.9	10

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19	Integrating geographically isolated wetlands into land management decisions. <i>Frontiers in Ecology and the Environment</i> , 2017, 15, 319-327.	1.9	92
20	Visioning the Future: Scenarios Modeling of the Florida Coastal Everglades. <i>Environmental Management</i> , 2017, 60, 989-1009.	1.2	15
21	Do geographically isolated wetlands influence landscape functions?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1978-1986.	3.3	297
22	Control of phosphorus concentration through adsorption and desorption in shallow groundwater of subtropical carbonate estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2016, 169, 238-247.	0.9	14
23	Geographically Isolated Wetlands: Rethinking a Misnomer. <i>Wetlands</i> , 2015, 35, 423-431.	0.7	87
24	Controls on Temperature in Salmonid-Bearing Headwater Streams in Two Common Hydrogeologic Settings, Kenai Peninsula, Alaska. <i>Journal of the American Water Resources Association</i> , 2015, 51, 84-98.	1.0	21
25	Effects of increased summer flooding on nitrogen dynamics in impounded mangroves. <i>Journal of Environmental Management</i> , 2014, 139, 217-226.	3.8	20
26	Hydrologic characterization of 56 geographically isolated wetlands in west-central Florida using a probabilistic method. <i>Wetlands Ecology and Management</i> , 2013, 21, 1-14.	0.7	27
27	Water Sources and Hydrodynamics of Closed-Basin Depressions, Cook Inlet Region, Alaska. <i>Wetlands</i> , 2011, 31, 377-387.	0.7	30
28	Controls on Water Levels and Salinity in a Barrier Island Mangrove, Indian River Lagoon, Florida. <i>Wetlands</i> , 2010, 30, 725-734.	0.7	14
29	Simulated Effects of Stream Restoration on the Distribution of Wet-Meadow Vegetation. <i>Restoration Ecology</i> , 2010, 18, 882-893.	1.4	44
30	Case Study on the Accuracy and Cost/Effectiveness in Simulating Reference Evapotranspiration in West-Central Florida. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010, 15, 696-703.	0.8	22
31	Vegetation and water-table relationships in a hydrologically restored riparian meadow. <i>Wetlands</i> , 2009, 29, 785-797.	0.7	45
32	Quantifying the hydrological effects of stream restoration in a montane meadow, northern California, USA. <i>River Research and Applications</i> , 2008, 24, 735-753.	0.7	76
33	Geological control of physical and chemical hydrology in California vernal pools. <i>Wetlands</i> , 2008, 28, 347-362.	0.7	39
34	Hydrology of Clay Settling Areas and Surrounding Landscapes in the Phosphate Mining District, Peninsular Florida. <i>Journal of the American Water Resources Association</i> , 2008, 44, 980-995.	1.0	5
35	Non-navigable streams and adjacent wetlands: addressing science needs following the Supreme Court's <i>Rapanos</i> decision. <i>Frontiers in Ecology and the Environment</i> , 2008, 6, 364-371.	1.9	106
36	Hydrological Connectivity of Headwaters to Downstream Waters: Introduction to the Featured Collection. <i>Journal of the American Water Resources Association</i> , 2007, 43, 1-4.	1.0	42

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37	Hydrological Connectivity Between Headwater Streams and Downstream Waters: How Science Can Inform Policy. Journal of the American Water Resources Association, 2007, 43, 118-133.	1.0	226
38	The role of perched aquifers in hydrological connectivity and biogeochemical processes in vernal pool landscapes, Central Valley, California. Hydrological Processes, 2006, 20, 1157-1175.	1.1	84
39	SIMULATED CHANGES IN SHALLOW GROUNDWATER AND VEGETATION DISTRIBUTIONS UNDER DIFFERENT RESERVOIR OPERATIONS SCENARIOS. , 2004, 14, 192-207.		51
40	Origin of Shallow Ground Water in an Alluvial Aquifer as Determined by Isotopic and Chemical Procedures. Ground Water, 2002, 40, 552-563.	0.7	23
41	Hydrogeomorphic (HGM) assessment—A test of user consistency. Wetlands, 1999, 19, 560-569.	0.7	13