Jerry R Miller

List of Publications by Year
in descending order

32 papers	1,402 citations	430874 18 h-index	526287 27 g-index
33 all docs	33 docs citations	33 times ranked	1398 citing authors

#	Article	IF	Citations
1	The role of fluvial geomorphic processes in the dispersal of heavy metals from mine sites. Journal of Geochemical Exploration, 1997, 58, 101-118.	3.2	228
2	Sources, distribution and storage of heavy metals in the RÄ±lo Pilcomayo, Bolivia. Journal of Geochemical Exploration, 2001, 72, 229-250.	3.2	137
3	Reconciling the roles of tectonism and climate in Quaternary alluvial fan evolution. Geology, 1995, 23, 245.	4.4	114
4	Assessment of channel dynamics, in-stream structures and post-project channel adjustments in North Carolina and its implications to effective stream restoration. Environmental Earth Sciences, 2010, 59, 1681-1692.	2.7	105
5	An examination of the Rosgen classification of natural rivers. Catena, 1996, 27, 295-299.	5.0	99
6	Dispersal of mercury-contaminated sediments by geomorphic processes, sixmile canyon, Nevada, USA: Implications to site characterization and remediation of fluvial environments. Water, Air, and Soil Pollution, 1996, 86, 373-388.	2.4	94
7	Mercury mobility at the Carson River Superfund Site, west-central Nevada, USA: Interpretation of mercury speciation data in mill tailings, soils, and sediments. Journal of Geochemical Exploration, 1997, 58, 259-267.	3.2	92
8	Fluvial responses to land-use changes and climatic variations within the Drury Creek watershed, southern Illinois. Geomorphology, 1993, 6, 309-329.	2.6	69
9	Development of anastomosing channels in south-central Indiana. Geomorphology, 1991, 4, 221-229.	2.6	51
10	Environmental controls on the evolution of alluvial fans in Buena Vista Valley, North Central Nevada, during late Quaternary time. Geomorphology, 2000, 36, 63-87.	2.6	46
11	Evaluation of particle dispersal from mining and milling operations using lead isotopic fingerprinting techniques, Rio Pilcomayo Basin, Bolivia. Science of the Total Environment, 2007, 384, 355-373.	8.0	46
12	Lead, zinc, and antimony contamination of the Rio Chilco-Rio Tupiza drainage system, Southern Bolivia. Environmental Geology, 2006, 51, 283-299.	1.2	42
13	Lead isotopic fingerprinting of heavy metal contamination,Rio Pilcomayo basin, Bolivia. Geochemistry: Exploration, Environment, Analysis, 2002, 2, 225-233.	0.9	40
14	Mercury Contamination of Alluvial Sediments within the Essequibo and Mazaruni River Basins, Guyana. Water, Air, and Soil Pollution, 2003, 148, 139-166.	2.4	39
15	The disruption of Grassy Creek: implications concerning catastrophic events and thresholds. Geomorphology, 1999, 29, 323-338.	2.6	27
16	An integrated approach to the determination of the quantity, distribution, and dispersal of mercury in Lahontan Reservoir, Nevada, USA. Journal of Geochemical Exploration, 1995, 52, 45-55.	3.2	26
17	HISTORICAL TRENDS IN SEDIMENTATION RATES AND SEDIMENT PROVENANCE, FAIRFIELD LAKE, WESTERN NORTH CAROLINA. Journal of the American Water Resources Association, 2005, 41, 1053-1075.	2.4	24
18	Forensic Assessment of Metal Contaminated Rivers in the 21st Century Using Geochemical and Isotopic Tracers. Minerals (Basel, Switzerland), 2013, 3, 192-246.	2.0	21

#	Article	IF	Citations
19	Application of Geochemical Tracers to Fluvial Sediment. SpringerBriefs in Earth Sciences, 2015, , .	0.5	17
20	GEOMORPHIC RESPONSE TO WILDFIRE IN AN ARID WATERSHED, CROW CANYON, NEVADA. Physical Geography, 1995, 16, 243-256.	1.4	16
21	Structural organization of process zones in upland watersheds of central Nevada and its influence on basin connectivity, dynamics, and wet meadow complexes. Geomorphology, 2012, 139-140, 384-402.	2.6	16
22	Controls on Suspended Sediment Concentrations and Turbidity within a Reforested, Southern Appalachian Headwater Basin. Water (Switzerland), 2015, 7, 3123-3148.	2.7	12
23	Concentrations, Sources, and Potential Ecological Impacts of Selected Trace Metals on Aquatic Biota within the Little Tennessee River Basin, North Carolina. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	10
24	Influence of temporal variations in water chemistry on the Pb isotopic composition of rainbow trout (Oncorhynchus mykiss). Science of the Total Environment, 2005, 350, 204-224.	8.0	7
25	Use of Paleoflood Deposits to Determine the Contribution of Anthropogenic Trace Metals to Alluvial Sediments in the Hyperarid Rio Loa Basin, Chile. Geosciences (Switzerland), 2019, 9, 244.	2.2	7
26	A GIS-based method for evaluating sediment storage and transport in large mining-affected river systems. Environmental Earth Sciences, 2015, 74, 4685-4698.	2.7	6
27	Mercury partitioning within alluvial sediments of the Carson river valley, Nevada: Implications for sampling strategies in tropical environments. , 1998, , 211-233.		5
28	Influence of Historical Land-Use Change on Contemporary Channel Processes, Form, and Restoration. Geosciences (Switzerland), 2021, 11, 423.	2.2	4
29	Application of Chemostratigraphic Methods to Floodplain Alluvial Deposits within the Big Harris Creek Basin, North Carolina. Geosciences (Switzerland), 2022, 12, 187.	2.2	1
30	Bolivia: Mining, River Contamination, and Human Health. , 2019, , 436-455.		0
31	Stable â€˜Non-Traditionalâ€™ Isotopes. SpringerBriefs in Earth Sciences, 2015, , 117-138.	0.5	0
32	Radiogenic Isotopes. SpringerBriefs in Earth Sciences, 2015, , 89-116.	0.5	0