

John Pitlick

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

3,119
citations

185998

28
h-index

315357

38
g-index

41
all docs

41
docs citations

41
times ranked

2864
citing authors

#	ARTICLE	IF	CITATIONS
1	Exaggerated Stream Depletion in Streams with Spatiotemporally Varying Streambed Conductance. <i>Journal of Hydrologic Engineering</i> - ASCE, 2021, 26, 04020066.	0.8	5
2	Sediment transport at the network scale and its link to channel morphology in the braided Vjosa River system. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 2946-2962.	1.2	13
3	Sediment Production in French Alpine Rivers. <i>Water Resources Research</i> , 2021, 57, e2021WR030470.	1.7	5
4	Characterizing the transient geomorphic response to base-level fall in the northeastern Tibetan Plateau. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 546-572.	1.0	36
5	Concentration–discharge relationships during an extreme event: Contrasting behavior of solutes and changes to chemical quality of dissolved organic material in the Boulder Creek Watershed during the September 2013 flood. <i>Water Resources Research</i> , 2017, 53, 5276-5297.	1.7	26
6	Camera system considerations for geomorphic applications of SfM photogrammetry. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 969-986.	1.2	85
7	Lithology-controlled evolution of stream bed sediment and basin-scale sediment yields in adjacent mountain watersheds, Idaho, USA. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1869-1883.	1.2	20
8	Coupling fluvial–hydraulic models to predict gravel transport in spatially variable flows. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015, 120, 834-855.	1.0	19
9	Effects of Streambed Conductance on Stream Depletion. <i>Water (Switzerland)</i> , 2015, 7, 271-287.	1.2	24
10	Sediment supply and channel morphology in mountain river systems: 2. Single thread to braided transitions. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 1516-1541.	1.0	78
11	Using repeat lidar to estimate sediment transport in a steep stream. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 621-643.	1.0	37
12	Width adjustment in experimental gravel-bed channels in response to overbank flows. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 553-570.	1.0	24
13	Sediment supply and channel morphology in mountain river systems: 1. Relative importance of lithology, topography, and climate. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 2325-2342.	1.0	107
14	The influence of channel bed disturbance on algal biomass in a Colorado mountain stream. <i>Ecology</i> , 2011, 4, 411-421.	1.1	23
15	Scaling frequency of channel-forming flows in snowmelt-dominated streams. <i>Water Resources Research</i> , 2010, 46, .	1.7	29
16	Effects of sediment transport and seepage direction on hydraulic properties at the sediment–water interface of hyporheic settings. <i>Journal of Hydrology</i> , 2009, 373, 377-391.	2.3	50
17	Persistence of the surface texture of a gravel-bed river during a large flood. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 661-673.	1.2	48
18	Relation between flow, surface-layer armoring and sediment transport in gravel-bed rivers. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 1192-1209.	1.2	72

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19	Physical basis for quasiuniversal relations describing bankfull hydraulic geometry of singlethread gravel bed rivers. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	342
20	Spatial and temporal variations in bed load transport intensity in a gravel bed river bend. <i>Water Resources Research</i> , 2007, 43, .	1.7	86
21	Use of Shields stress to reconstruct and forecast changes in river metabolism. <i>Freshwater Biology</i> , 2007, 52, 1587-1601.	1.2	21
22	Seasonal Cycle Shifts in Hydroclimatology over the Western United States. <i>Journal of Climate</i> , 2005, 18, 372-384.	1.2	408
23	Morphologically based model of bed load transport capacity in a headwater stream. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	59
24	Formation of Martian gullies by the action of liquid water flowing under current Martian environmental conditions. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	143
25	Variation in the reference Shields stress for bed load transport in gravel-bed streams and rivers. <i>Water Resources Research</i> , 2005, 41, .	1.7	190
26	Magnitude-frequency of bed load transport in mountain streams in Colorado. <i>Journal of Hydrology</i> , 2004, 290, 137-151.	2.3	104
27	Downstream changes in the channel geometry of a large gravel bed river. <i>Water Resources Research</i> , 2002, 38, 34-1-34-11.	1.7	55
28	Running water: fluvial geomorphology and river restoration. , 2002, , 133-152.		6
29	Interparticle collision of natural sediment grains in water. <i>Water Resources Research</i> , 2001, 37, 2377-2391.	1.7	91
30	Variability of bed mobility in natural, gravel-bed channels and adjustments to sediment load at local and reach scales. <i>Water Resources Research</i> , 2000, 36, 3743-3755.	1.7	190
31	Geomorphology and endangered fish habitats of the upper Colorado River: 2. Linking sediment transport to habitat maintenance. <i>Water Resources Research</i> , 1998, 34, 303-316.	1.7	79
32	Geomorphology and endangered fish habitats of the upper Colorado River: 1. Historic changes in streamflow, sediment load, and channel morphology. <i>Water Resources Research</i> , 1998, 34, 287-302.	1.7	86
33	In situ determination of particle friction angles of fluvial gravels. <i>Water Resources Research</i> , 1998, 34, 2017-2030.	1.7	75
34	A Regional Perspective of the Hydrology of the 1993 Mississippi River Basin Floods. <i>Annals of the American Association of Geographers</i> , 1997, 87, 135-151.	3.0	35
35	Observations of Flow and Sediment Entrainment on a Large Gravel-Bed River. <i>Water Resources Research</i> , 1996, 32, 2897-2909.	1.7	115
36	FLOOD-FREQUENCY ANALYSIS FOR THE SANTA YNEZ RIVER AND ADJACENT REGION, CALIFORNIA. <i>Physical Geography</i> , 1995, 16, 419-431.	0.6	0

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37	Relation between peak flows, precipitation, and physiography for five mountainous regions in the western USA. <i>Journal of Hydrology</i> , 1994, 158, 219-240.	2.3	114
38	Response and recovery of a subalpine stream following a catastrophic flood. <i>Bulletin of the Geological Society of America</i> , 1993, 105, 657-670.	1.6	75
39	Flow resistance under conditions of intense gravel transport. <i>Water Resources Research</i> , 1992, 28, 891-903.	1.7	91
40	Variability of bed load measurement. <i>Water Resources Research</i> , 1988, 24, 173-177.	1.7	46