

Jon J Major

List of Publications by Year in descending order

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51
papers

3,274
citations

236833

25
h-index

330025

37
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all docs

69
docs citations

69
times ranked

2828
citing authors

#	ARTICLE	IF	CITATIONS
1	Subaerial volcanoclastic deposits – influences of initiation mechanisms and transport behaviour on characteristics and distributions. <i>Geological Society Special Publication</i> , 2023, 520, 29-100.	0.8	3
2	Effective Hydrological Events in an Evolving Mid-latitude Mountain River System Following Cataclysmic Disturbance – A Saga of Multiple Influences. <i>Water Resources Research</i> , 2021, 57, e2019WR026851.	1.7	7
3	Mount St. Helens at 40. <i>Science</i> , 2020, 368, 704-705.	6.0	6
4	Conceptualizing Ecological Responses to Dam Removal: If You Remove It, What's to Come?. <i>BioScience</i> , 2019, 69, 26-39.	2.2	96
5	Multidecadal Geomorphic Evolution of a Profoundly Disturbed Gravel Bed River System – A Complex, Nonlinear Response and Its Impact on Sediment Delivery. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 1281-1309.	1.0	25
6	Sediment Erosion and Delivery from Toutle River Basin After the 1980 Eruption of Mount St. Helens: A 30-Year Perspective. , 2018, , 19-44.		14
7	Geomorphic Response of the Muddy River Basin to the 1980 Eruptions of Mount St. Helens, 1980 – 2000. , 2018, , 45-70.		3
8	Surface morphology of caldera-forming eruption deposits revealed by lidar mapping of Crater Lake National Park, Oregon – Implications for deposition and surface modification. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 342, 61-78.	0.8	9
9	Dam removal: Listening in. <i>Water Resources Research</i> , 2017, 53, 5229-5246.	1.7	166
10	Camera system considerations for geomorphic applications of SfM photogrammetry. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 969-986.	1.2	85
11	Landscape context and the biophysical response of rivers to dam removal in the United States. <i>PLoS ONE</i> , 2017, 12, e0180107.	1.1	67
12	Extraordinary sediment delivery and rapid geomorphic response following the 2008 – 2009 eruption of Chait�n Volcano, Chile. <i>Water Resources Research</i> , 2016, 52, 5075-5094.	1.7	54
13	Rapid reservoir erosion, hyperconcentrated flow, and downstream deposition triggered by breaching of 38 m tall Condit Dam, White Salmon River, Washington. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 1376-1394.	1.0	76
14	Hydrogeomorphic Effects of Explosive Volcanic Eruptions on Drainage Basins. <i>Annual Review of Earth and Planetary Sciences</i> , 2014, 42, 469-507.	4.6	113
15	Acute sedimentation response to rainfall following the explosive phase of the 2008 – 2009 eruption of Chait�n volcano, Chile. <i>Bulletin of Volcanology</i> , 2013, 75, 1.	1.1	74
16	Voluminous ice-rich and water-rich lahars generated during the 2009 eruption of Redoubt Volcano, Alaska. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 259, 389-413.	0.8	35
17	Overview of Chait�n Volcano, Chile, and its 2008-2009 eruption. <i>Andean Geology</i> , 2013, 40, .	0.2	36
18	Pyroclastic density currents associated with the 2008-2009 eruption of Chait�n Volcano (Chile): Forest disturbances, deposits, and dynamics. <i>Andean Geology</i> , 2013, 40, .	0.2	28

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19	Interdisciplinary Studies of Eruption at Chait�n Volcano, Chile. <i>Eos</i> , 2010, 91, 381-382.	0.1	22
20	Monitoring lava-dome growth during the 2004�2008 Mount St. Helens, Washington, eruption using oblique terrestrial photography. <i>Earth and Planetary Science Letters</i> , 2009, 286, 243-254.	1.8	41
21	After the disaster–The hydrogeomorphic, ecological, and biological responses to the 1980 eruption of Mount St. Helens, Washington–. , 2009, , .		7
22	Initial Fluvial Response to the Removal of Oregon's Marmot Dam. <i>Eos</i> , 2008, 89, 241-242.	0.1	32
23	Joint NOAA/NWS/USGS Prototype Debris Flow Warning System for Recently Burned Areas in Southern California. <i>Bulletin of the American Meteorological Society</i> , 2008, 89, 1845-1852.	1.7	24
24	Experimental and Field Observations of Breach Dynamics Accompanying Erosion of Marmot Cofferdam, Sandy River, Oregon. , 2008, , .		10
25	Peak flow responses to landscape disturbances caused by the cataclysmic 1980 eruption of Mount St. Helens, Washington. <i>Bulletin of the Geological Society of America</i> , 2006, 118, 938-958.	1.6	54
26	Dynamics of seismogenic volcanic extrusion at Mount St Helens in 2004�05. <i>Nature</i> , 2006, 444, 439-443.	13.7	191
27	Decadal-scale change of infiltration characteristics of a tephra-mantled hillslope at Mount St Helens, Washington. <i>Hydrological Processes</i> , 2005, 19, 3621-3630.	1.1	39
28	Debris flows at Mount St. Helens, Washington, USA. , 2005, , 685-731.		18
29	Physical Events, Environments, and Geological�Ecological Interactions at Mount St. Helens: March 1980�2004. , 2005, , 27-44.		55
30	Geomorphic Change and Vegetation Development on the Muddy River Mudflow Deposit. , 2005, , 75-91.		10
31	Debris-flow hazards at San Salvador, San Vicente, and San Miguel volcanoes, El Salvador. , 2004, , .		11
32	Landslides triggered by the 13 January and 13 February 2001 earthquakes in El Salvador. , 2004, , .		10
33	Posteruption suspended sediment transport at Mount St. Helens: Decadal-scale relationships with landscape adjustments and river discharges. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	64
34	Gravity-Driven Consolidation of Granular Slurries�Implications for Debris-Flow Deposition and Deposit Characteristics. <i>Journal of Sedimentary Research</i> , 2000, Vol. 70 (2000),, .	0.8	0
35	Gravity-Driven Consolidation of Granular Slurries: Implications for Debris-Flow Deposition and Deposit Characteristics. <i>Journal of Sedimentary Research</i> , 2000, 70, 64-83.	0.8	109
36	Debris-flow deposition: Effects of pore-fluid pressure and friction concentrated at flow margins. <i>Bulletin of the Geological Society of America</i> , 1999, 111, 1424-1434.	1.6	283

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37	Pebble orientation on large, experimental debris-flow deposits. <i>Sedimentary Geology</i> , 1998, 117, 151-164.	1.0	73
38	Discussion of "Verification of Vertically Rotating Flume Using Non-Newtonian Fluids" by R. Huizinga. <i>Journal of Hydraulic Engineering</i> , 1997, 123, 936-937.	0.7	5
39	Depositional Processes in Large-Scale Debris-Flow Experiments. <i>Journal of Geology</i> , 1997, 105, 345-366.	0.7	282
40	Disruption of Drift glacier and origin of floods during the 1989-1990 eruptions of Redoubt Volcano, Alaska. <i>Journal of Volcanology and Geothermal Research</i> , 1994, 62, 369-385.	0.8	22
41	Unusual ice diamicts emplaced during the December 15, 1989 eruption of redoubt volcano, Alaska. <i>Journal of Volcanology and Geothermal Research</i> , 1994, 62, 409-428.	0.8	23
42	Debris flow rheology: Experimental analysis of fine-grained slurries. <i>Water Resources Research</i> , 1992, 28, 841-857.	1.7	238
43	Snow and ice perturbation during historical volcanic eruptions and the formation of lahars and floods. <i>Bulletin of Volcanology</i> , 1989, 52, 1-27.	1.1	138
44	Comment and Reply on "Hydroseismicity" A hypothesis for the role of water in the generation of intraplate seismicity". <i>Geology</i> , 1988, 16, 562.	2.0	6
45	Rainfall, ground-water flow, and seasonal movement at Minor Creek landslide, northwestern California: Physical interpretation of empirical relations. <i>Bulletin of the Geological Society of America</i> , 1987, 99, 579.	1.6	193
46	Groundwater Seepage Vectors and the Potential for Hillslope Failure and Debris Flow Mobilization. <i>Water Resources Research</i> , 1986, 22, 1543-1548.	1.7	141
47	Sedimentology and Clast Orientations of the 18 May 1980 Southwest-Flank Lahars, Mount St. Helens, Washington. <i>Journal of Sedimentary Research</i> , 1986, Vol. 56, .	0.8	9
48	Hindered settling. , 1978, , 578-582.		3
49	Debris flow. , 1978, , 295-300.		1
50	Slurry. , 1978, , 1118-1120.		0
51	Modeling lahar behavior and hazards. , 0, , 300-330.		50