

# André A Iroum

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

2,223  
citations

159585

30  
h-index

254184

43  
g-index

89  
all docs

89  
docs citations

89  
times ranked

2054  
citing authors

#	ARTICLE	IF	CITATIONS
1	What do biphasic flow experiments reveal on the variability of exposure on alluvial fans and which implications for risk assessment result from this?. <i>Natural Hazards</i> , 2022, 111, 3099-3120.	3.4	0
2	Abundance of Benthic Algae in Forestry Watersheds and the Associated Forest Cover Factors. <i>Forests</i> , 2022, 13, 378.	2.1	0
3	Hydrological effects of large dams in Chilean rivers. <i>Journal of Hydrology: Regional Studies</i> , 2022, 41, 101060.	2.4	6
4	Partial afforestation has uncertain effect on flood frequency and peak discharge at large catchment scales (100–1000 km <sup>2</sup> ), south-central Chile. <i>Hydrological Processes</i> , 2022, 36, .	2.6	5
5	Reflections on the history of research on large wood in rivers. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 55-66.	2.5	30
6	Large wood load fluctuations in an Andean basin. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 371-384.	2.5	15
7	Introduction to the Wood in World Rivers special issue. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 1640-1645.	2.5	3
8	Forest operations, tree species composition and decline in rainfall explain runoff changes in the Nacimiento experimental catchments, south central Chile. <i>Hydrological Processes</i> , 2021, 35, e14257.	2.6	9
9	Comparison of streamflow recession between plantations and native forests in small catchments in Central-Southern Chile. <i>Hydrological Processes</i> , 2021, 35, e14182.	2.6	8
10	Post-eruption morphological evolution and vegetation dynamics of the Blanco River, southern Chile. <i>Journal of South American Earth Sciences</i> , 2020, 104, 102809.	1.4	10
11	Fluvial transport of coarse particulate organic matter in a coastal mountain stream of a rainy-temperate evergreen broadleaf forest in southern Chile. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3216-3230.	2.5	7
12	Modelling the Effects of Changes in Forest Cover and Climate on Hydrology of Headwater Catchments in South-Central Chile. <i>Water (Switzerland)</i> , 2020, 12, 1828.	2.7	9
13	Forests and floods: Using field evidence to reconcile analysis methods. <i>Hydrological Processes</i> , 2020, 34, 3295-3310.	2.6	30
14	Unravelling the impacts to the built environment caused by floods in a river heavily perturbed by volcanic eruptions. <i>Journal of South American Earth Sciences</i> , 2020, 102, 102655.	1.4	11
15	Do the morphological characteristics of Chilean gravel-bed rivers exhibit latitudinal patterns?. <i>Journal of South American Earth Sciences</i> , 2020, 99, 102522.	1.4	8
16	Assessing the effect of fire severity on sediment connectivity in central Chile. <i>Science of the Total Environment</i> , 2020, 728, 139006.	8.0	18
17	Long-term large wood load fluctuations in two low-order streams in Southern Chile. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 1959-1973.	2.5	9
18	Evaluating the Effects of Forest Cover Changes on Sediment Connectivity in a Catchment Affected by Multiple Wildfires. <i>Lecture Notes in Civil Engineering</i> , 2020, , 13-20.	0.4	0

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19	Sediment connectivity changes in an Andean catchment affected by volcanic eruption. <i>Science of the Total Environment</i> , 2019, 692, 1209-1222.	8.0	31
20	Quantification of fluvial wood using UAVs and structure from motion. <i>Geomorphology</i> , 2019, 345, 106837.	2.6	34
21	SDG 6: Clean Water and Sanitation – Forest-Related Targets and Their Impacts on Forests and People. , 2019, , 178-205.		4
22	Cascading processes in a changing environment: Disturbances on fluvial ecosystems in Chile and implications for hazard and risk management. <i>Science of the Total Environment</i> , 2019, 655, 1089-1103.	8.0	34
23	Preface for the South American Hydrology Virtual Special Issue. <i>Hydrological Processes</i> , 2018, 32, 454-458.	2.6	3
24	Toward participatory decision-making in river corridor management: two case studies from the European Alps. <i>Journal of Environmental Planning and Management</i> , 2018, 61, 1250-1270.	4.5	9
25	Recent geomorphological evolution of a natural river channel in a Mediterranean Chilean basin. <i>Geomorphology</i> , 2018, 303, 322-337.	2.6	35
26	Assessing and mitigating large wood-related hazards in mountain streams: recent approaches. <i>Journal of Flood Risk Management</i> , 2018, 11, 207-222.	3.3	55
27	Geomorphic and stream flow influences on large wood dynamics and displacement lengths in high gradient mountain streams (Chile). <i>Hydrological Processes</i> , 2018, 32, 2636-2653.	2.6	13
28	The effects of topography and forest management on water storage in catchments in south-central Chile. <i>Hydrological Processes</i> , 2018, 32, 3225-3240.	2.6	12
29	Water sustainability and watershed storage. <i>Nature Sustainability</i> , 2018, 1, 378-379.	23.7	56
30	Morphological characterization of a highly-dynamic fluvial landscape: The River Baker (Chilean) Tj ETQqO 0 0 rgBT /Qverlock 10 Tf 50 302	1.4	14
31	Temporal variations of large wood abundance and mobility in the Blanco River affected by the Chaitán volcanic eruption, southern Chile. <i>Catena</i> , 2017, 156, 149-160.	5.0	26
32	Breakdown of instream wood in low order forested streams of the Southern Chilean mountain ranges. <i>Forest Ecology and Management</i> , 2017, 401, 17-32.	3.2	9
33	The Effects of Replacing Native Forest on the Quantity and Impacts of In-Channel Pieces of Large Wood in Chilean Streams. <i>River Research and Applications</i> , 2017, 33, 73-88.	1.7	7
34	Forests and water in South America. <i>Hydrological Processes</i> , 2017, 31, 972-980.	2.6	37
35	Pyroclastic Eruption Boosts Organic Carbon Fluxes Into Patagonian Fjords. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1626-1638.	4.9	13
36	Forest Impact on Flood Peak Discharge and Sediment Yield in Streamflow. , 2017, , 15-29.		0

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37	How much water do Chilean forests use? A review of interception losses in forest plot studies. <i>Hydrological Processes</i> , 2016, 30, 4674-4686.	2.6	23
38	Spatial analysis of the impacts of the Chait�n volcano eruption (Chile) in three fluvial systems. <i>Journal of South American Earth Sciences</i> , 2016, 69, 213-225.	1.4	21
39	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.	4.2	54
40	Flume and field-based calibration of surrogate sensors for monitoring bedload transport. <i>Geomorphology</i> , 2016, 253, 10-21.	2.6	46
41	Use of remote imagery to analyse changes in morphology and longitudinal large wood distribution in the blanco river after the 2008 chait�n volcanic eruption, southern chile. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2015, 97, 523-541.	1.5	34
42	Massive biomass flushing despite modest channel response in the Rayas River following the 2008 eruption of Chait�n volcano, Chile. <i>Geomorphology</i> , 2015, 250, 397-406.	2.6	24
43	Large wood mobility processes in low-order Chilean river channels. <i>Geomorphology</i> , 2015, 228, 681-693.	2.6	50
44	Seasonal logging, process response, and geomorphic work. <i>Earth Surface Dynamics</i> , 2014, 2, 117-125.	2.4	12
45	Reach scale ecologic influence of in-stream large wood in a Coastal Mountain range channel, Southern Chile. <i>Gayana</i> , 2014, 78, 85-97.	0.1	7
46	Quantitative generalizations for catchment sediment yield following forest logging. <i>Water Resources Research</i> , 2014, 50, 8383-8402.	4.2	19
47	Large Wood Volume and Longitudinal Distribution in Channel Segments Draining Catchments with Different Land Use, Chile. <i>Open Journal of Modern Hydrology</i> , 2014, 04, 57-66.	1.0	18
48	Using 137Cs and 210Pbex and other sediment source fingerprints to document suspended sediment sources in small forested catchments in south-central Chile. <i>Journal of Environmental Radioactivity</i> , 2013, 124, 147-159.	1.7	56
49	Afforestation and changes in forest composition affect runoff in large river basins with pluvial regime and Mediterranean climate, Chile. <i>Journal of Hydrology</i> , 2013, 505, 113-125.	5.4	45
50	Runoff generation and soil erosion processes after clear cutting. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 814-831.	2.8	34
51	Dynamics and management alternatives of in-channel large wood in mountain basins of the southern Andes. <i>Bosque</i> , 2013, 34, 15-16.	0.3	31
52	Streamflow response in small upland catchments in the Chilean coastal range to the M <sub>W</sub> 8.8 Maule earthquake on 27 February 2010. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
53	Forest impact on floods due to extreme rainfall and snowmelt in four Latin American environments 2: Model analysis. <i>Journal of Hydrology</i> , 2011, 400, 292-304.	5.4	54
54	Forest impact on floods due to extreme rainfall and snowmelt in four Latin American environments 1: Field data analysis. <i>Journal of Hydrology</i> , 2011, 400, 281-291.	5.4	89

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55	The effect of forest cover on peak flow and sediment discharge— an integrated field and modelling study in central— southern Chile. <i>Hydrological Processes</i> , 2011, 25, 1284-1297.	2.6	67
56	Material leñoso de gran tamaño en dos cuencas de la Cordillera de la Costa de Chile con diferente historia de uso del suelo. <i>Bosque</i> , 2011, 32, 235-245.	0.3	17
57	Movilidad y reclutamiento de material leñoso de gran tamaño en dos cauces de la Cordillera de la Costa de Chile. <i>Bosque</i> , 2011, 32, 247-254.	0.3	12
58	Use of beryllium-7 to study the effectiveness of woody trash barriers in reducing sediment delivery to streams after forest clearcutting. <i>Soil and Tillage Research</i> , 2010, 110, 143-153.	5.6	34
59	Efecto de plantaciones de <i>Pinus radiata</i> y <i>Eucalyptus globulus</i> sobre el recurso agua en la Cordillera de la Costa de la región del Biobío, Chile. <i>Bosque</i> , 2010, 31, 219-230.	0.3	64
60	Escorrentías y caudales máximos luego de la cosecha a tala rasa y del establecimiento de una nueva plantación en una cuenca experimental del sur de Chile. <i>Bosque</i> , 2010, 31, .	0.3	2
61	Forests and floods in Latin America: science, management, policy and the EPIC FORCE project. <i>Water International</i> , 2010, 35, 114-131.	1.0	28
62	Interdisciplinary Studies of Eruption at Chaitón Volcano, Chile. <i>Eos</i> , 2010, 91, 381-382.	0.1	22
63	Large wood abundance, distribution and mobilization in a third order Coastal mountain range river system, southern Chile. <i>Forest Ecology and Management</i> , 2010, 260, 480-490.	3.2	44
64	Extending the timescale for using beryllium 7 measurements to document soil redistribution by erosion. <i>Water Resources Research</i> , 2009, 45, .	4.2	72
65	Effect of <i>Pinus radiata</i> plantations on water balance in Chile. <i>Hydrological Processes</i> , 2008, 22, 142-148.	2.6	72
66	Investigation of runoff generation in a pristine, poorly gauged catchment in the Chilean Andes I: A multi— method experimental study. <i>Hydrological Processes</i> , 2008, 22, 3661-3675.	2.6	43
67	Field based analysis of sediment entrainment in two high gradient streams located in Alpine and Andine environments. <i>Geomorphology</i> , 2008, 93, 368-383.	2.6	65
68	Role and management of in-channel wood in relation to flood events in Southern Andes basins. <i>WIT Transactions on Engineering Sciences</i> , 2008, , .	0.0	8
69	Evaluación de los volúmenes y de los efectos hidro-morfológicos del material leñoso en dos torrentes andinos (Chile). <i>Ingeniería Del Agua</i> , 2008, 15, 189.	0.4	9
70	Residuos leñosos de gran tamaño en un torrente de la Cordillera de Los Andes, Chile: su funcionalidad e importancia. <i>Bosque</i> , 2007, 28, .	0.3	7
71	Use of Beryllium-7 to Document Soil Redistribution following Forest Harvest Operations. <i>Journal of Environmental Quality</i> , 2006, 35, 1756-1763.	2.0	71
72	Runoff and peak flow responses to timber harvest and forest age in southern Chile. <i>Hydrological Processes</i> , 2006, 20, 37-50.	2.6	55

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73	Summer flows in experimental catchments with different forest covers, Chile. <i>Journal of Hydrology</i> , 2005, 300, 300-313.	5.4	47
74	Transporte de sedimentos en una cuenca de montaña en la Cordillera de los Andes de la Novena Región de Chile. <i>Bosque</i> , 2003, 24, .	0.3	14
75	Comparison of interception losses in a broadleaved native forest and a <i>Pseudotsuga menziesii</i> (Douglas) Tj ETQq1 1,0,784314,rgBT /Otel	2.6	53
76	The solute budget of a forest catchment and solute fluxes within a <i>Pinus radiata</i> and a secondary native forest site, southern Chile. <i>Hydrological Processes</i> , 2002, 16, 2521-2536.	2.6	14
77	Variability of annual rainfall partitioning for different sites and forest covers in Chile. <i>Journal of Hydrology</i> , 2001, 248, 78-92.	5.4	112
78	VARIABILIDAD ESPACIAL Y TEMPORAL DE LA INFILTRACIÓN EN UNA CUENCA EXPERIMENTAL EN LA CORDILLERA DE LOS ANDES, IX REGIÓN, CHILE. <i>Agro Sur</i> , 2000, 28, 1-9.	0.2	2
79	Intercepción de las lluvias por la cubierta de bosques y efecto en los caudales de crecida en una cuenca experimental en Malalcahuello, IX Región, Chile. <i>Bosque</i> , 2000, 21, 45-56.	0.3	11
80	Estudio de los procesos hidrológicos en una cuenca experimental forestal andina de la IX Región, Chile. <i>Bosque</i> , 1997, 18, 73-81.	0.3	7
81	Compaction and soil disturbances from logging in Southern Chile. <i>Annales Des Sciences Forestières</i> , 1991, 48, 63-71.	1.2	28
82	Assessment of Runoff and Suspended Sediment Yield in a Partially Forested Catchment in Southern Chile. <i>Water Resources Research</i> , 1990, 26, 2637-2642.	4.2	15
83	Assessing woody vegetation recovery in the Rayas River following the eruption of the Chaitón Volcano in 2008. <i>Geological Society Special Publication</i> , 0, , SP520-2020-261.	1.3	0