

# AndrÃ© O Sawakuchi

## List of Publications by Year in descending order

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Version: 2024-02-01

87  
papers

2,262  
citations

279798

23  
h-index

265206

42  
g-index

90  
all docs

90  
docs citations

90  
times ranked

2982  
citing authors

#	ARTICLE	IF	CITATIONS
1	New Archaeological Evidence for an Early Human Presence at Monte Verde, Chile. PLoS ONE, 2015, 10, e0141923.	2.5	180
2	Methane emissions from Amazonian Rivers and their contribution to the global methane budget. Global Change Biology, 2014, 20, 2829-2840.	9.5	110
3	Microplastics in sediments from Amazon rivers, Brazil. Science of the Total Environment, 2020, 749, 141604.	8.0	93
4	Thermal history versus sedimentary history: OSL sensitivity of quartz grains extracted from rocks and sediments. Quaternary Geochronology, 2011, 6, 261-272.	1.4	86
5	Synchronous and proportional deglacial changes in Atlantic meridional overturning and northeast Brazilian precipitation. Paleoceanography, 2017, 32, 622-633.	3.0	86
6	The complex prograded Cassino barrier in southern Brazil: Geological and morphological evolution and records of climatic, oceanographic and sea-level changes in the last 76 ka. Marine Geology, 2017, 390, 106-119.	2.1	71
7	Eolian depositional episodes controlled by Late Quaternary relative sea level changes on the Ibituba "Laguna coast (southern Brazil). Marine Geology, 2007, 237, 143-168.	2.1	66
8	Terrigenous input off northern South America driven by changes in Amazonian climate and the North Brazil Current retroflexion during the last 250 ka. Climate of the Past, 2014, 10, 843-862.	3.4	66
9	Chronology of Terra Firme formation in Amazonian lowlands reveals a dynamic Quaternary landscape. Quaternary Science Reviews, 2019, 210, 154-163.	3.0	64
10	Oxidative mitigation of aquatic methane emissions in large Amazonian rivers. Global Change Biology, 2016, 22, 1075-1085.	9.5	61
11	Luminescence as a Sediment Tracer and Provenance Tool. Reviews of Geophysics, 2019, 57, 987-1017.	23.0	57
12	Luminescence of quartz and feldspar fingerprints provenance and correlates with the source area denudation in the Amazon River basin. Earth and Planetary Science Letters, 2018, 492, 152-162.	4.4	55
13	Quaternary climate changes as speciation drivers in the Amazon floodplains. Science Advances, 2020, 6, eaax4718.	10.3	55
14	Mid-Late Pleistocene OSL chronology in western Amazonia and implications for the transcontinental Amazon pathway. Sedimentary Geology, 2015, 330, 1-15.	2.1	52
15	The development of blowouts and foredunes in the Ilha Comprida barrier (Southeastern Brazil): the influence of Late Holocene climate changes on coastal sedimentation. Quaternary Science Reviews, 2008, 27, 2076-2090.	3.0	44
16	The role of tectonics and climate in the late Quaternary evolution of a northern Amazonian River. Geomorphology, 2016, 271, 22-39.	2.6	43
17	Determination of controls on Holocene barrier progradation through application of OSL dating: The Ilha Comprida Barrier example, Southeastern Brazil. Marine Geology, 2011, 285, 1-16.	2.1	42
18	Origin, transport and deposition of leaf-wax biomarkers in the Amazon Basin and the adjacent Atlantic. Geochimica Et Cosmochimica Acta, 2016, 192, 149-165.	3.9	40

#	ARTICLE	IF	CITATIONS
19	Quartz OSL sensitivity as a proxy for storm activity on the southern Brazilian coast during the Late Holocene. <i>Quaternary Geochronology</i> , 2012, 13, 92-102.	1.4	39
20	Different precipitation patterns across tropical South America during Heinrich and Dansgaard-Oeschger stadials. <i>Quaternary Science Reviews</i> , 2017, 177, 1-9.	3.0	37
21	Provenance of sands from the confluence of the Amazon and Madeira rivers based on detrital heavy minerals and luminescence of quartz and feldspar. <i>Sedimentary Geology</i> , 2015, 316, 1-12.	2.1	33
22	Phylogeography and population dynamics of Antbirds (Thamnophilidae) from Amazonian fluvial islands. <i>Journal of Biogeography</i> , 2017, 44, 2284-2294.	3.0	30
23	The Volta Grande do Xingu: reconstruction of past environments and forecasting of future scenarios of a unique Amazonian fluvial landscape. <i>Scientific Drilling</i> , 0, 20, 21-32.	0.6	30
24	Climate changes in Northeastern Brazil from deglacial to Meghalayan periods and related environmental impacts. <i>Quaternary Science Reviews</i> , 2020, 250, 106655.	3.0	26
25	The Origin and Evolution of Amazonian Species Diversity. <i>Fascinating Life Sciences</i> , 2020, , 225-244.	0.9	26
26	Controls of heavy minerals and grain size in a holocene regressive barrier (Ilha Comprida,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (</i>	1.4	25
27	Late Quaternary Cuiabá megafan, Brazilian Pantanal: Channel patterns and paleoenvironmental changes. <i>Quaternary International</i> , 2017, 438, 108-125.	1.5	25
28	Holocene provenance shift of suspended particulate matter in the Amazon River basin. <i>Quaternary Science Reviews</i> , 2018, 190, 66-80.	3.0	25
29	Patterns and Processes of Diversification in Amazonian White Sand Ecosystems: Insights from Birds and Plants. <i>Fascinating Life Sciences</i> , 2020, , 245-270.	0.9	25
30	Grain size and heavy minerals of the Late Quaternary eolian sediments from the Imbituba "Jaguaruna coast, Southern Brazil: Depositional controls linked to relative sea-level changes. <i>Sedimentary Geology</i> , 2009, 222, 226-240.	2.1	24
31	Late Holocene intensification of colds fronts in southern Brazil as indicated by dune development and provenance changes in the São Francisco do Sul coastal barrier. <i>Marine Geology</i> , 2013, 335, 64-77.	2.1	24
32	The role of abrupt climate change in the formation of an open vegetation enclave in northern Amazonia during the late Quaternary. <i>Global and Planetary Change</i> , 2019, 172, 140-149.	3.5	24
33	Influence of cell size on volume calculation using digital terrain models: A case of coastal dune fields. <i>Geomorphology</i> , 2013, 180-181, 130-136.	2.6	22
34	Paleotemperatures and paleofluids recorded in fluid inclusions from calcite veins from the northern flank of the Ponta Grossa dyke swarm: Implications for hydrocarbon generation and migration in the Paraná Basin. <i>Marine and Petroleum Geology</i> , 2014, 52, 107-124.	3.3	22
35	Geochronology and evolution of a complex barrier, Younghusband Peninsula, South Australia. <i>Geomorphology</i> , 2020, 354, 107044.	2.6	22
36	Origin and processing of terrestrial organic carbon in the Amazon system: lignin phenols in river, shelf, and fan sediments. <i>Biogeosciences</i> , 2017, 14, 2495-2512.	3.3	19

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37	Shut down of the South American summer monsoon during the penultimate glacial. <i>Scientific Reports</i> , 2020, 10, 6275.	3.3	19
38	The Fate of Carbon in Sediments of the Xingu and Tapajás Clearwater Rivers, Eastern Amazon. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	18
39	How green can Amazon hydropower be? Net carbon emission from the largest hydropower plant in Amazonia. <i>Science Advances</i> , 2021, 7, .	10.3	18
40	Attaining provenance proxies from OSL and TL sensitivities: Coupling with grain size and heavy minerals data from southern Brazilian coastal sediments. <i>Radiation Measurements</i> , 2015, 81, 39-45.	1.4	17
41	Fluid inclusions in calcite filled opening fractures of the Serra Alta Formation reveal paleotemperatures and composition of diagenetic fluids percolating Permian shales of the Paraná Basin. <i>Journal of South American Earth Sciences</i> , 2018, 84, 242-254.	1.4	17
42	Lycopodiopsis derbyi Renault from the Corumbataí-Formation in the state of São Paulo (Guadalupian) Tj ETQq0 0 0 rgBT /Overlock 10 and Palynology, 2009, 158, 180-192.	1.5	16
43	The effects of mid-Holocene fluvio-eolian interplay and coastal dynamics on the formation of dune-dammed lakes in NE Brazil. <i>Quaternary Science Reviews</i> , 2018, 196, 137-153.	3.0	16
44	Transformation of maritime desert to an agricultural center: Holocene environmental change and landscape engineering in Chicama River valley, northern Peru coast. <i>Quaternary Science Reviews</i> , 2020, 227, 106046.	3.0	15
45	Modern and late Pleistocene particulate organic carbon transport by the Amazon River: Insights from long-chain alkyl diols. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 262, 1-19.	3.9	14
46	Spatiotemporal Variations of Riverine Discharge Within the Amazon Basin During the Late Holocene Coincide With Extratropical Temperature Anomalies. <i>Geophysical Research Letters</i> , 2019, 46, 9013-9022.	4.0	14
47	Luminescence dating of sediments from central Atacama Desert, northern Chile. <i>Quaternary Geochronology</i> , 2019, 53, 101002.	1.4	14
48	Revisiting the chronology and environmental conditions for the accretion of late Pleistocene-early Holocene Pampean loess (Argentina). <i>Quaternary Science Reviews</i> , 2019, 213, 105-119.	3.0	14
49	Optically stimulated luminescence and isothermal thermoluminescence dating of high sensitivity and well bleached quartz from Brazilian sediments: from Late Holocene to beyond the Quaternary?. <i>Brazilian Journal of Geology</i> , 2016, 46, 209-226.	0.7	13
50	Equatorial Pacific forcing of western Amazonian precipitation during Heinrich Stadial 1. <i>Scientific Reports</i> , 2016, 6, 35866.	3.3	13
51	Biogenic methane and carbon dioxide generation in organic-rich shales from southeastern Brazil. <i>International Journal of Coal Geology</i> , 2016, 162, 1-13.	5.0	13
52	Carbon dioxide (CO <sub>2</sub> ) concentrations and emission in the newly constructed Belo Monte hydropower complex in the Xingu River, Amazonia. <i>Biogeosciences</i> , 2019, 16, 3527-3542.	3.3	13
53	Why deep drilling in the Colônia Basin (Brazil)?. <i>Scientific Drilling</i> , 0, 20, 33-39.	0.6	13
54	Chronostratigraphy of a 1.5±0.1Ma composite sedimentary record from Colônia basin (SE Brazil): Bayesian modeling based on paleomagnetic, authigenic <sup>10</sup> Be/ <sup>9</sup> Be, radiocarbon and luminescence dating. <i>Quaternary Geochronology</i> , 2020, 58, 101081.	1.4	12

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55	Correlation between thermoluminescence sensitivity and crystallization temperatures of quartz: Potential application in geothermometry. <i>Radiation Measurements</i> , 2011, 46, 51-58.	1.4	11
56	Thermoluminescence and Optically Stimulated Luminescence Measured in Marine Sediments Indicate Precipitation Changes Over Northeastern Brazil. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1476-1486.	2.9	11
57	Deglacial climate and relative sea level changes forced the shift from eolian sandsheets to dunefields in southern Brazilian coast. <i>Geomorphology</i> , 2020, 365, 107252.	2.6	11
58	Re-investigating Miocene age control and paleoenvironmental reconstructions in western Amazonia (northwestern Solimões Basin, Brazil). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 545, 109652.	2.3	11
59	Optically Stimulated Luminescence Sensitivity of Quartz for Provenance Analysis. <i>Methods and Protocols</i> , 2020, 3, 6.	2.0	11
60	Growing at the limit: Reef growth sensitivity to climate and oceanographic changes in the South Western Atlantic. <i>Global and Planetary Change</i> , 2021, 201, 103479.	3.5	11
61	Luminescence characteristics of quartz from Brazilian sediments and constraints for OSL dating. <i>Anais Da Academia Brasileira De Ciencias</i> , 2013, 85, 1303-1316.	0.8	11
62	Discussion: "Evidence for a transgressive barrier within a regressive strandplain system: implications for complex response to environmental change" by Hein, <i>et al</i> . (2013), <i>Sedimentology</i> 60, 469-502. <i>Sedimentology</i> , 2014, 61, 2205-2212.	3.1	10
63	Hydrocarbon generation in the Permian Irati organic-rich shales under the influence of the early cretaceous Paran Large Igneous Province. <i>Marine and Petroleum Geology</i> , 2020, 117, 104410.	3.3	10
64	Fluvial aggradation and incision in the Brazilian tropical semi-arid: Climate-controlled landscape evolution of the So Francisco River. <i>Quaternary Science Reviews</i> , 2021, 263, 106977.	3.0	10
65	Weakening of northeast trade winds during the Heinrich stadial 1 event recorded by dune field stabilization in tropical Brazil. <i>Quaternary Research</i> , 2017, 88, 369-381.	1.7	9
66	OSL dating of Brazilian fluvial carbonates (tufas) using detrital quartz grains. <i>Quaternary International</i> , 2015, 362, 146-156.	1.5	8
67	Evaluating isothermal thermoluminescence and thermally transferred optically stimulated luminescence for dating of Pleistocene sediments in Amazonia. <i>Quaternary Geochronology</i> , 2016, 36, 28-37.	1.4	7
68	Late Quaternary episodes of clastic sediment deposition in the Tarimba Cave, Central Brazil. <i>Quaternary International</i> , 2021, 580, 22-37.	1.5	7
69	Negligible Quantities of Particulate Low-Temperature Pyrogenic Carbon Reach the Atlantic Ocean via the Amazon River. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB006990.	4.9	7
70	Modern pollen signatures of Amazonian rivers and new insights for environmental reconstructions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 554, 109802.	2.3	7
71	Incision and aggradation phases of the Amazon River in central-eastern Amazonia during the late Neogene and Quaternary. <i>Geomorphology</i> , 2022, 399, 108073.	2.6	7
72	New insights on sources contributing dust to the loess record of the western edge of the Pampean Plain during the transition from the late MIS 2 to the early Holocene. <i>Holocene</i> , 2020, 30, 537-545.	1.7	6

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73	Luminescence signals of quartz and feldspar as new methods for stratigraphic discrimination and provenance analysis of siliciclastic successions: The case of the Parnaíba Basin (Brazil) of West Gondwana. <i>Basin Research</i> , 0, , .	2.7	5
74	Cenozoic weathering of fluvial terraces and emergence of biogeographic boundaries in Central Amazonia. <i>Global and Planetary Change</i> , 2022, 212, 103815.	3.5	5
75	Alternate Atlantic forest and climate phases during the early Pleistocene 41 kyr cycles in southeastern Brazil. <i>Quaternary Science Reviews</i> , 2022, 286, 107560.	3.0	5
76	South American precipitation dipole forced by interhemispheric temperature gradient. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
77	Process Control in The Geneses and Evolution of A Lagoon-Barrier System inside of The Patos Lagoon, South of Brazil. <i>Journal of Coastal Research</i> , 2018, 85, 651-655.	0.3	4
78	Incubation experiments to constrain the production of methane and carbon dioxide in organic-rich shales of the Permian Irati Formation, Paranaí Basin. <i>Marine and Petroleum Geology</i> , 2020, 112, 104039.	3.3	4
79	The response of a dune succession from Lençóis Maranhenses, NE Brazil, to climate changes between MIS 3 and MIS 2. <i>Quaternary International</i> , 2020, 537, 97-111.	1.5	4
80	Geomorphology of fluvial deposits in the middle Tocantins River, eastern Amazon. <i>Journal of Maps</i> , 2020, 16, 710-723.	2.0	4
81	Discriminaçãõ dos depósitos cenozoicos da parte emersa da Bacia Paraíba (NE, Brasil) por meio de minerais pesados e granulometria. <i>Brazilian Journal of Geology</i> , 2013, 43, 555-570.	0.7	4
82	Geomorphological analysis of coastal depositional systems in SE Brazil aided by Google Earth coupled with the integration of chronological and sedimentological data by means of a Google Fusion Table. , 2012, , .		3
83	A planície costeira holocênica de Campos Verdes (Laguna, SC): evoluçãõ sedimentar inferida a partir de georadar (GPR), granulometria e minerais pesados. <i>Revista Brasileira De Geociências</i> , 2009, 39, 751-767.	0.1	3
84	The role of bedrock and climate for the Late Quaternary erosive-depositional behavior of an intraplate tropical river: The Tietê River case, southeastern Brazil. <i>Geomorphology</i> , 2021, 389, 107834.	2.6	2
85	Phylogeography of <i>Baryancistrus xanthellus</i> (Siluriformes: Loricariidae), a rheophilic catfish endemic to the Xingu River basin in eastern Amazonia. <i>PLoS ONE</i> , 2021, 16, e0256677.	2.5	1
86	Extended-Range Luminescence Dating of Central and Eastern Amazonia Sandy Terrains. <i>Frontiers in Earth Science</i> , 0, 10, .	1.8	1
87	Quaternary ironstones in the Xingu River, eastern Amazonia (Brazil). <i>Quaternary Research</i> , 0, , 1-14.	1.7	0