

Dilce F Rossetti

List of Publications by Year in descending order

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116
papers

3,401
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117453

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117
times ranked

2582
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#	ARTICLE	IF	CITATIONS
1	New geological framework for Western Amazonia (Brazil) and implications for biogeography and evolution. <i>Quaternary Research</i> , 2005, 63, 78-89.	1.0	202
2	Soft-sediment deformation structures in late Albian to Cenomanian deposits, Sao Luis Basin, northern Brazil: evidence for palaeoseismicity. <i>Sedimentology</i> , 1999, 46, 1065-1081.	1.6	157
3	Topodata: Brazilian full coverage refinement of SRTM data. <i>Applied Geography</i> , 2012, 32, 300-309.	1.7	145
4	Late Oligocene–Miocene transgressions along the equatorial and eastern margins of Brazil. <i>Earth-Science Reviews</i> , 2013, 123, 87-112.	4.0	132
5	Evolution of the lowest amazon basin modeled from the integration of geological and SRTM topographic data. <i>Catena</i> , 2007, 70, 253-265.	2.2	99
6	Late Cenozoic sedimentary evolution in northeastern Pará, Brazil, within the context of sea level changes. <i>Journal of South American Earth Sciences</i> , 2001, 14, 77-89.	0.6	92
7	Deciphering the sedimentological imprint of paleoseismic events: an example from the Aptian Codó Formation, northern Brazil. <i>Sedimentary Geology</i> , 2000, 135, 137-156.	1.0	84
8	Avian gene trees, landscape evolution, and geology: towards a modern synthesis of Amazonian historical biogeography?. <i>Journal Fur Ornithologie</i> , 2007, 148, 443-453.	1.2	83
9	Paleosurfaces from northeastern Amazonia as a key for reconstructing paleolandscapes and understanding weathering products. <i>Sedimentary Geology</i> , 2004, 169, 151-174.	1.0	65
10	Applying DEM-SRTM for reconstructing a late Quaternary paleodrainage in Amazonia. <i>Earth and Planetary Science Letters</i> , 2010, 297, 262-270.	1.8	64
11	Sediment deformation in Miocene and post-Miocene strata, Northeastern Brazil: Evidence for paleoseismicity in a passive margin. <i>Sedimentary Geology</i> , 2011, 235, 172-187.	1.0	64
12	Neotectonic reactivation of shear zones and implications for faulting style and geometry in the continental margin of NE Brazil. <i>Tectonophysics</i> , 2014, 614, 78-90.	0.9	62
13	Holocene palaeoenvironmental history of the Amazonian mangrove belt. <i>Quaternary Science Reviews</i> , 2012, 55, 50-58.	1.4	59
14	Postrift stress field inversion in the Potiguar Basin, Brazil – Implications for petroleum systems and evolution of the equatorial margin of South America. <i>Marine and Petroleum Geology</i> , 2020, 111, 88-104.	1.5	54
15	Mid-Late Pleistocene OSL chronology in western Amazonia and implications for the transcontinental Amazon pathway. <i>Sedimentary Geology</i> , 2015, 330, 1-15.	1.0	52
16	Reconstructing habitats in central Amazonia using megafauna, sedimentology, radiocarbon, and isotope analyses. <i>Quaternary Research</i> , 2004, 61, 289-300.	1.0	50
17	The role of tectonics in the late Quaternary evolution of Brazil's Amazonian landscape. <i>Earth-Science Reviews</i> , 2014, 139, 362-389.	4.0	48
18	Landscape evolution during the late Quaternary at the Doce River mouth, Espírito Santo State, Southeastern Brazil. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 415, 48-58.	1.0	48

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19	Late Quaternary vegetation and coastal environmental changes at Ilha do Cardoso mangrove, southeastern Brazil. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 363-364, 57-68.	1.0	46
20	A multi-proxy evidence for the transition from estuarine mangroves to deltaic freshwater marshes, Southeastern Brazil, due to climatic and sea-level changes during the late Holocene. <i>Catena</i> , 2015, 128, 155-166.	2.2	46
21	Late Pleistocene–Holocene evolution of the Doce River delta, southeastern Brazil: Implications for the understanding of wave-influenced deltas. <i>Marine Geology</i> , 2015, 367, 171-190.	0.9	46
22	Events of sediment deformation and mass failure in Upper Cretaceous estuarine deposits (Cametã) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	43
23	The last mangroves of Marajó Island – Eastern Amazon: Impact of climate and/or relative sea-level changes. <i>Review of Palaeobotany and Palynology</i> , 2012, 187, 50-65.	0.8	43
24	The role of tectonics and climate in the late Quaternary evolution of a northern Amazonian River. <i>Geomorphology</i> , 2016, 271, 22-39.	1.1	43
25	Late Quaternary sedimentation in the Paraíba Basin, Northeastern Brazil: Landform, sea level and tectonics in Eastern South America passive margin. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 300, 191-204.	1.0	42
26	Late Quaternary fluvial terrace evolution in the main southern Amazonian tributary. <i>Catena</i> , 2014, 116, 19-37.	2.2	42
27	Quaternary tectonics in a passive margin: Marajó Island, northern Brazil. <i>Journal of Quaternary Science</i> , 2008, 23, 121-135.	1.1	41
28	Late Quaternary sedimentary dynamics in Western Amazonia: Implications for the origin of open vegetation/forest contrasts. <i>Geomorphology</i> , 2012, 177-178, 74-92.	1.1	41
29	Tsunami-induced large-scale scour-and-fill structures in Late Albian to Cenomanian deposits of the Grajaú Basin, northern Brazil. <i>Sedimentology</i> , 2000, 47, 309-323.	1.6	39
30	Late Pleistocene glacial forest of Humaitã – Western Amazonia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 415, 37-47.	1.0	39
31	Late quaternary dynamics in the Madeira river basin, southern Amazonia (Brazil), as revealed by paleomorphological analysis. <i>Anais Da Academia Brasileira De Ciencias</i> , 2015, 87, 29-49.	0.3	39
32	Facies architecture in a tectonically influenced estuarine incised valley fill of Miocene age, northern Brazil. <i>Journal of South American Earth Sciences</i> , 2004, 17, 267-284.	0.6	38
33	Influence of low amplitude/high frequency relative sea-level changes in a wave-dominated estuary (Miocene), São Luis Basin, northern Brazil. <i>Sedimentary Geology</i> , 2000, 133, 295-324.	1.0	36
34	Mangrove vegetation changes on Holocene terraces of the Doce River, southeastern Brazil. <i>Catena</i> , 2013, 110, 59-69.	2.2	36
35	Palaeodrainage on Marajó Island, northern Brazil, in relation to Holocene relative sea-level dynamics. <i>Holocene</i> , 2008, 18, 923-934.	0.9	34
36	Archaeological mounds in Marajó Island in northern Brazil: A geological perspective integrating remote sensing and sedimentology. <i>Geoarchaeology - an International Journal</i> , 2009, 24, 22-41.	0.7	33

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37	Quaternary paleoenvironments and relative sea-level changes in Marajó Island (Northern Brazil): Facies, $\delta^{13}C$, $\delta^{15}N$ and C/N. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009, 282, 19-31.	1.0	32
38	Palynofacies and stable C and N isotopes of Holocene sediments from Lake Macuco (Linhares, Espírito Santo). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 415, 69-82.	1.0	31
39	Understanding Amazonian fluvial rias based on a Late Pleistocene–Holocene analog. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 285-292.	1.2	29
40	Marine influence in the Barreiras Formation, State of Alagoas, northeastern Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2009, 81, 741-755.	0.3	27
41	Effectiveness of SRTM and ALOS-PALSAR data for identifying morphostructural lineaments in northeastern Brazil. <i>International Journal of Remote Sensing</i> , 2012, 33, 1058-1077.	1.3	27
42	Neotectonics in the northern equatorial Brazilian margin. <i>Journal of South American Earth Sciences</i> , 2012, 37, 175-190.	0.6	27
43	Distribuição de Sedimentos Pliocenos-Barreiras no Norte do Brasil: implicações paleogeográficas. <i>Revista Brasileira De Geociências</i> , 2008, 38, 514-524.	0.1	27
44	Mapping vegetation in a late Quaternary landform of the Amazonian wetlands using object-based image analysis and decision tree classification. <i>International Journal of Remote Sensing</i> , 2015, 36, 3397-3422.	1.3	26
45	A tectonically-triggered late Holocene seismite in the southern Amazonian lowlands, Brazil. <i>Sedimentary Geology</i> , 2017, 358, 70-83.	1.0	26
46	An abandoned estuary within Marajó Island: Implications for late Quaternary paleogeography of northern Brazil. <i>Estuaries and Coasts</i> , 2007, 30, 813-826.	1.0	25
47	Multitemporal Landsat data applied for deciphering a megafan in northern Amazonia. <i>International Journal of Remote Sensing</i> , 2012, 33, 6060-6075.	1.3	25
48	Applying SRTM digital elevation model to unravel Quaternary drainage in forested areas of Northeastern Amazonia. <i>Computers and Geosciences</i> , 2009, 35, 2331-2337.	2.0	24
49	Coexistence of forest and savanna in an Amazonian area from a geological perspective. <i>Journal of Vegetation Science</i> , 2010, 21, 120-132.	1.1	24
50	A Late Pleistocene–Holocene wetland megafan in the Brazilian Amazonia. <i>Sedimentary Geology</i> , 2012, 282, 276-293.	1.0	24
51	The effect of global warming on the establishment of mangroves in coastal Louisiana during the Holocene. <i>Geomorphology</i> , 2021, 381, 107648.	1.1	24
52	Facies analysis of the Codó Formation (Late Aptian) in the Grajaú Area, Southern São Luís-Grajaú Basin. <i>Anais Da Academia Brasileira De Ciencias</i> , 2004, 76, 791-806.	0.3	23
53	Holocene coastal vegetation changes at the mouth of the Amazon River. <i>Review of Palaeobotany and Palynology</i> , 2011, 168, 21-30.	0.8	22
54	Multiple remote sensing techniques as a tool for reconstructing late Quaternary drainage in the Amazon lowland. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 1234-1239.	1.2	21

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55	Facies, $\delta^{13}C$, $\delta^{15}N$ and C/N analyses in a late Quaternary compound estuarine fill, northern Brazil and relation to sea level. <i>Marine Geology</i> , 2010, 274, 135-150.	0.9	21
56	Neotectonic evolution of the Brazilian northeastern continental margin based on sedimentary facies and ichnology. <i>Quaternary Research</i> , 2014, 82, 462-472.	1.0	21
57	Fossil megafans evidenced by remote sensing in the Amazonian wetlands. <i>Zeitschrift für Geomorphologie</i> , 2014, 58, 145-161.	0.3	20
58	Contribution to the stratigraphy of the onshore Par��ba Basin, Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2012, 84, 313-334.	0.3	20
59	Genesis of the largest Amazonian wetland in northern Brazil inferred by morphology and gravity anomalies. <i>Journal of South American Earth Sciences</i> , 2016, 69, 1-10.	0.6	19
60	Regionalization of local geomorphometric derivations for geological mapping in the sedimentary domain of central Amaz��nia. <i>Computers and Geosciences</i> , 2017, 100, 46-56.	2.0	19
61	Linking lacustrine cycles with syn-sedimentary tectonic episodes: an example from the Cod�� Formation (late Aptian), northeastern Brazil. <i>Geological Magazine</i> , 2005, 142, 269-285.	0.9	18
62	First evidence of marine influence in the Cretaceous of the Amazonas Basin, Brazil. <i>Cretaceous Research</i> , 2006, 27, 513-528.	0.6	18
63	Paleohydrology of an Upper Aptian lacustrine system from northeastern Brazil: Integration of facies and isotopic geochemistry. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 241, 247-266.	1.0	18
64	The growth of the Doce River Delta in northeastern Brazil indicated by sedimentary facies and diatoms. <i>Diatom Research</i> , 2013, 28, 455-466.	0.5	18
65	Millennial to secular time-scale impacts of climate and sea-level changes on mangroves from the Doce River delta, Southeastern Brazil. <i>Holocene</i> , 2016, 26, 1733-1749.	0.9	18
66	Decadal-scale dynamics of an Amazonian mangrove caused by climate and sea level changes: Inferences from spatial-temporal analysis and digital elevation models. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2876-2888.	1.2	18
67	Effects of Beach Nourishment Project on Coastal Geomorphology and Mangrove Dynamics in Southern Louisiana, USA. <i>Remote Sensing</i> , 2021, 13, 2688.	1.8	17
68	Impact of sedimentary processes on white-sand vegetation in an Amazonian megafan. <i>Journal of Tropical Ecology</i> , 2016, 32, 498-509.	0.5	16
69	Origins of the Rio Capim kaolinities (northern Brazil) revealed by $\delta^{18}O$ and δ^D analyses. <i>Applied Clay Science</i> , 2007, 37, 281-294.	2.6	14
70	Late Quaternary drainage dynamics in northern Brazil based on the study of a large paleochannel from southwestern Maraj�� Island. <i>Anais Da Academia Brasileira De Ciencias</i> , 2008, 80, 579-593.	0.3	14
71	Palaeoenvironmental control on modern forest composition of southwestern Maraj�� Island, Eastern Amazonia. <i>Water and Environment Journal</i> , 2012, 26, 70-84.	1.0	14
72	Relative sea-level and climatic changes in the Amazon littoral during the last 500 years. <i>Catena</i> , 2015, 133, 441-451.	2.2	14

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73	Quaternary reactivation of a basement structure in the Barreirinhas Basin, Brazilian Equatorial Margin. <i>Quaternary Research</i> , 2009, 72, 103-110.	1.0	13
74	Influence of landscape evolution on the distribution of floristic patterns in northern Amazonia revealed by ^{13}C data. <i>Journal of Quaternary Science</i> , 2012, 27, 854-864.	1.1	13
75	Object-based classification of vegetation and terrain topography in Southwestern Amazonia (Brazil) as a tool for detecting ancient fluvial geomorphic features. <i>Computers and Geosciences</i> , 2013, 60, 41-50.	2.0	13
76	Neogene–Quaternary fault reactivation influences coastal basin sedimentation and landform in the continental margin of NE Brazil. <i>Quaternary International</i> , 2017, 438, 92-107.	0.7	13
77	Neotectonics and tree mortality in a forest ecosystem of the Negro basin: Geomorphic evidence of contemporary seismicity in the intracratonic Brazilian Amazonia. <i>Geomorphology</i> , 2019, 329, 138-151.	1.1	13
78	Analysing the origin of the Upper Cretaceous–Lower Tertiary Rio Capim semi flint (Par State, Brazil) under a sedimentologic perspective. <i>Sedimentary Geology</i> , 2006, 186, 133-144.	1.0	12
79	Late Quaternary landscape evolution of northeastern Amazonia from pollen and diatom records. <i>Anais Da Academia Brasileira De Ciencias</i> , 2013, 85, 35-55.	0.3	12
80	Late Holocene mangrove dynamics dominated by autogenic processes. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 2013-2023.	1.2	12
81	Vegetation Change in Southwestern Amazonia (Brazil) and Relationship to the Late Pleistocene and Holocene Climate. <i>Radiocarbon</i> , 2017, 59, 69-89.	0.8	12
82	Late Holocene tectonic influence on hydrology and vegetation patterns in a northern Amazonian megafan. <i>Catena</i> , 2017, 158, 121-130.	2.2	12
83	Neotectonics in the South American passive margin: Evidence of Late Quaternary uplifting in the northern Paraiba Basin (NE Brazil). <i>Geomorphology</i> , 2019, 325, 1-16.	1.1	12
84	Mapping Neogene and Quaternary sedimentary deposits in northeastern Brazil by integrating geophysics, remote sensing and geological field data. <i>Journal of South American Earth Sciences</i> , 2014, 56, 316-327.	0.6	11
85	Tectonics and drainage development in central Amazonia: The Juru River. <i>Catena</i> , 2021, 206, 105560.	2.2	11
86	Biodiversity from a historical geology perspective: a case study from Marajo Island, lower Amazon. <i>Geobiology</i> , 2006, 4, 215-223.	1.1	10
87	Imaging underwater neotectonic structures in the Amazonian lowland. <i>Holocene</i> , 2014, 24, 1269-1277.	0.9	10
88	Relation between carbon isotopes of plants and soils on Maraj Island, a large tropical island: Implications for interpretation of modern and past vegetation dynamics in the Amazon region. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2014, 415, 91-104.	1.0	10
89	White sand vegetation in an Amazonian lowland under the perspective of a young geological history. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20181337.	0.3	10
90	Delineating shallow Neogene deformation structures in northeastern Par State using Ground Penetrating Radar. <i>Anais Da Academia Brasileira De Ciencias</i> , 2003, 75, 235-248.	0.3	9

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91	Petrography of gypsum-bearing facies of the Cod Formation (Late Aptian), Northern Brazil. Anais Da Academia Brasileira De Ciencias, 2006, 78, 557-572.	0.3	9
92	Paleoenvironmental Evolution of Continental Carbonates in West-Central Brazil. Anais Da Academia Brasileira De Ciencias, 2017, 89, 407-429.	0.3	9
93	Effects of the 20172018 winter freeze on the northern limit of the American mangroves, Mississippi River delta plain. Geomorphology, 2021, , 107968.	1.1	9
94	Estratigrafia da sucesso sedimentar Ps-Barreiras (Zona Bragantina, Par) com base em radar de penetrao no solo. Revista Brasileira De Geofisica, 2001, 19, 113-130.	0.2	9
95	Molar-Tooth Carbonates: Shallow Subtidal Facies of the Mid- to Late Proterozoic: Discussion. Journal of Sedimentary Research, 2000, 70, 1246-1248.	0.8	8
96	An Upper Aptian saline pan/lake system from the Brazilian equatorial margin: integration of facies and isotopes. Sedimentology, 2005, 52, 051110021051001-???	1.6	8
97	Classification of Vegetation over a Residual Megafan Landform in the Amazonian Lowland Based on Optical and SAR Imagery. Remote Sensing, 2014, 6, 10931-10946.	1.8	8
98	The influence of late Quaternary sedimentation on vegetation in an Amazonian lowland megafan. Earth Surface Processes and Landforms, 2018, 43, 1259-1279.	1.2	8
99	Tectonic control on the stratigraphic framework of Late Pleistocene and Holocene deposits in Maraj Island, State of Par, eastern Amazonia. Anais Da Academia Brasileira De Ciencias, 2010, 82, 439-449.	0.3	7
100	Unfolding longterm Late PleistoceneHolocene disturbances of forest communities in the southwestern Amazonian lowlands. Ecosphere, 2018, 9, e02457.	1.0	7
101	D. Rossetti, P. Mann de Toledo, A.-M. Ges, New geological framework for Western Amazonia (Brazil) and implications for biogeography and evolution, Quaternary Research 63 (2005) 7889. Quaternary Research, 2005, 64, 279-282.	1.0	6
102	Origin of the Rio Capim Kaolin based on optical (petrographic and SEM) data. Journal of South American Earth Sciences, 2008, 26, 329-341.	0.6	6
103	Heavy mineral as a tool to refine the stratigraphy of kaolin deposits in the Rio Capim Area, Northern Brazil. Anais Da Academia Brasileira De Ciencias, 2007, 79, 457-471.	0.3	5
104	Have the Amazonian lowlands evidenced late Pleistocene-Holocene compression?. Journal of South American Earth Sciences, 2021, 107, 103044.	0.6	5
105	Microfacies and sequence stratigraphy of the Amap Formation, Late Paleocene to Early Eocene, Foz do Amazonas Basin, Brazil. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 280, 440-455.	1.0	4
106	Discriminao dos depsitos cenozoicos da parte emersa da Bacia Paraba (NE, Brasil) por meio de minerais pesados e granulometria. Brazilian Journal of Geology, 2013, 43, 555-570.	0.3	4
107	Did Sea-Level Changes Affect the Brazilian Amazon Forest during the Holocene?. Radiocarbon, 2018, 60, 91-112.	0.8	3
108	Late PleistoceneHolocene stress in the South American intraplate evidenced by tectonic instability in central Amazonia. Quaternary Research, 0, , 1-17.	1.0	3

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109	From an Estuary to a Freshwater Lake: A Paleo-Estuary Evolution in the Context of Holocene Sea-Level Fluctuations, Southeastern Brazil. <i>Radiocarbon</i> , 2013, 55, .	0.8	2
110	Neotectonics in Marajó ³ Island, State of Pará (Brazil) revealed by vertical electric sounding integrated with remote sensing and geological data. <i>Anais Da Academia Brasileira De Ciencias</i> , 2013, 85, 73-86.	0.3	2
111	A large-scale domal relief due to intraplate neotectonic compression in central Amazonia. <i>Geomorphology</i> , 2022, 407, 108218.	1.1	2
112	Facies Architecture and Sequential Evolution of an Incised-Valley Estuarine Fill: The Cajupe Formation (Upper Cretaceous to ?Lower Tertiary), São Luis Basin, Northern Brazil. <i>Journal of Sedimentary Research</i> , 1998, Vol. 68 (1998), .	0.8	1
113	Late Pleistocene and Holocene Vegetation, Climate Dynamics, and Amazonian taxa in the Atlantic Rainforest of Linhares, Southeastern Brazil. <i>Radiocarbon</i> , 2013, 55, .	0.8	0
114	Fitólitos como indicadores de mudanças ambientais durante o Holoceno na costa norte do estado do Espírito Santo (Brasil). <i>Quaternary and Environmental Geosciences</i> , 2015, 6, .	0.2	0
115	Radar de penetração no solo aplicado à caracterização de estruturas tectônicas miocênicas e quaternárias no leste da ilha do Marajó ³ (PA). <i>Brazilian Journal of Geology</i> , 2014, 44, 55-72.	0.3	0
116	Delineation of main relief subdomains of central Amazonia for regional geomorphometric mapping with SRTM data. <i>Journal of South American Earth Sciences</i> , 2020, 104, 102842.	0.6	0