Dilce F Rossetti

List of Publications by Year
in descending order

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116 papers	3,401 citations	117625 34 h-index	182427 51 g-index
117 all docs	117 docs citations	117 times ranked	2582 citing authors

#	Article	IF	Citations
1	New geological framework for Western Amazonia (Brazil) and implications for biogeography and evolution. Quaternary Research, 2005, 63, 78-89.	1.7	202
2	Soft-sediment deformation structures in late Albian to Cenomanian deposits, Sao Luis Basin, northern Brazil: evidence for palaeoseismicity. Sedimentology, 1999, 46, 1065-1081.	3.1	157
3	Topodata: Brazilian full coverage refinement of SRTM data. Applied Geography, 2012, 32, 300-309.	3.7	145
4	Late Oligoceneâ€“Miocene transgressions along the equatorial and eastern margins of Brazil. Earth-Science Reviews, 2013, 123, 87-112.	9.1	132
5	Evolution of the lowest amazon basin modeled from the integration of geological and SRTM topographic data. Catena, 2007, 70, 253-265.	5.0	99
6	Late Cenozoic sedimentary evolution in northeastern ParÃ¡, Brazil, within the context of sea level changes. Journal of South American Earth Sciences, 2001, 14, 77-89.	1.4	92
7	Deciphering the sedimentological imprint of paleoseismic events: an example from the Aptian CodÃ³ Formation, northern Brazil. Sedimentary Geology, 2000, 135, 137-156.	2.1	84
8	Avian gene trees, landscape evolution, and geology: towards a modern synthesis of Amazonian historical biogeography?. Journal Fur Ornithologie, 2007, 148, 443-453.	1.2	83
9	Paleosurfaces from northeastern Amazonia as a key for reconstructing paleolandscapes and understanding weathering products. Sedimentary Geology, 2004, 169, 151-174.	2.1	65
10	Applying DEM-SRTM for reconstructing a late Quaternary paleodrainage in Amazonia. Earth and Planetary Science Letters, 2010, 297, 262-270.	4.4	64
11	Sediment deformation in Miocene and post-Miocene strata, Northeastern Brazil: Evidence for paleoseismicity in a passive margin. Sedimentary Geology, 2011, 235, 172-187.	2.1	64
12	Neotectonic reactivation of shear zones and implications for faulting style and geometry in the continental margin of NE Brazil. Tectonophysics, 2014, 614, 78-90.	2.2	62
13	Holocene palaeoenvironmental history of the Amazonian mangrove belt. Quaternary Science Reviews, 2012, 55, 50-58.	3.0	59
14	Postrift stress field inversion in the Potiguar Basin, Brazil â€“ Implications for petroleum systems and evolution of the equatorial margin of South America. Marine and Petroleum Geology, 2020, 111, 88-104.	3.3	54
15	Mid-Late Pleistocene OSL chronology in western Amazonia and implications for the transcontinental Amazon pathway. Sedimentary Geology, 2015, 330, 1-15.	2.1	52
16	Reconstructing habitats in central Amazonia using megafauna, sedimentology, radiocarbon, and isotope analyses. Quaternary Research, 2004, 61, 289-300.	1.7	50
17	The role of tectonics in the late Quaternary evolution of Brazil's Amazonian landscape. Earth-Science Reviews, 2014, 139, 362-389.	9.1	48
18	Landscape evolution during the late Quaternary at the Doce River mouth, EspÃrito Santo State, Southeastern Brazil. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 415, 48-58.	2.3	48

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19	Late Quaternary vegetation and coastal environmental changes at Ilha do Cardoso mangrove, southeastern Brazil. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 363-364, 57-68.	2.3	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. Catena, 2015, 128, 155-166.	5.0	46
21	Late Pleistoceneâ€“Holocene evolution of the Doce River delta, southeastern Brazil: Implications for the understanding of wave-influenced deltas. Marine Geology, 2015, 367, 171-190.	2.1	46
22	Events of sediment deformation and mass failure in Upper Cretaceous estuarine deposits (CametÃ¡) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	43
23	The last mangroves of MarajÃ³ Island â€" Eastern Amazon: Impact of climate and/or relative sea-level changes. Review of Palaeobotany and Palynology, 2012, 187, 50-65.	1.5	43
24	The role of tectonics and climate in the late Quaternary evolution of a northern Amazonian River. Geomorphology, 2016, 271, 22-39.	2.6	43
25	Late Quaternary sedimentation in the ParaÃba Basin, Northeastern Brazil: Landform, sea level and tectonics in Eastern South America passive margin. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 300, 191-204.	2.3	42
26	Late Quaternary fluvial terrace evolution in the main southern Amazonian tributary. Catena, 2014, 116, 19-37.	5.0	42
27	Quaternary tectonics in a passive margin: MarajÃ³ Island, northern Brazil. Journal of Quaternary Science, 2008, 23, 121-135.	2.1	41
28	Late Quaternary sedimentary dynamics in Western Amazonia: Implications for the origin of open vegetation/forest contrasts. Geomorphology, 2012, 177-178, 74-92.	2.6	41
29	Tsunami-induced large-scale scour-and-fill structures in Late Albian to Cenomanian deposits of the GrajaÃº Basin, northern Brazil. Sedimentology, 2000, 47, 309-323.	3.1	39
30	Late Pleistocene glacial forest of HumaitÃ¡â€"Western Amazonia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 415, 37-47.	2.3	39
31	Late quaternary dynamics in the Madeira river basin, southern Amazonia (Brazil), as revealed by paleomorphological analysis. Anais Da Academia Brasileira De Ciencias, 2015, 87, 29-49.	0.8	39
32	Facies architecture in a tectonically influenced estuarine incised valley fill of Miocene age, northern Brazil. Journal of South American Earth Sciences, 2004, 17, 267-284.	1.4	38
33	Influence of low amplitude/high frequency relative sea-level changes in a wave-dominated estuary (Miocene), SÃ£o Luis Basin, northern Brazil. Sedimentary Geology, 2000, 133, 295-324.	2.1	36
34	Mangrove vegetation changes on Holocene terraces of the Doce River, southeastern Brazil. Catena, 2013, 110, 59-69.	5.0	36
35	Palaeodrainage on MarajÃ³ Island, northern Brazil, in relation to Holocene relative sea-level dynamics. Holocene, 2008, 18, 923-934.	1.7	34
36	Archaeological mounds in MarajÃ³ Island in northern Brazil: A geological perspective integrating remote sensing and sedimentology. Geoarchaeology - an International Journal, 2009, 24, 22-41.	1.5	33

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37	Quaternary paleoenvironments and relative sea-level changes in MarajÃ³ Island (Northern Brazil): Facies, Î´13C, Î´15N and C/N. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 282, 19-31.	2.3	32
38	Palynofacies and stable C and N isotopes of Holocene sediments from Lake Macuco (Linhares, EspÃrito) Tj ETQq0 0 0 rgBT /Overlock 10 Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 415, 69-82.	2.3	31
39	Understanding Amazonian fluvial rias based on a Late Pleistoceneâ€“Holocene analog. Earth Surface Processes and Landforms, 2015, 40, 285-292.	2.5	29
40	Marine influence in the Barreiras Formation, State of Alagoas, northeastern Brazil. Anais Da Academia Brasileira De Ciencias, 2009, 81, 741-755.	0.8	27
41	Effectiveness of SRTM and ALOS-PALSAR data for identifying morphostructural lineaments in northeastern Brazil. International Journal of Remote Sensing, 2012, 33, 1058-1077.	2.9	27
42	Neotectonics in the northern equatorial Brazilian margin. Journal of South American Earth Sciences, 2012, 37, 175-190.	1.4	27
43	DataÃ§Ã£o de Sedimentos PÃ³s-Barreiras no Norte do Brasil: implicaÃ§Ãµes paleogeogrÃ¡ficas. Revista Brasileira De GeociÃªncias, 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. International Journal of Remote Sensing, 2015, 36, 3397-3422.	2.9	26
45	A tectonically-triggered late Holocene seismite in the southern Amazonian lowlands, Brazil. Sedimentary Geology, 2017, 358, 70-83.	2.1	26
46	An abandoned estuary within MarajÃ³ Island: Implications for late Quaternary paleogeography of northern Brazil. Estuaries and Coasts, 2007, 30, 813-826.	2.2	25
47	Multitemporal Landsat data applied for deciphering a megafan in northern Amazonia. International Journal of Remote Sensing, 2012, 33, 6060-6075.	2.9	25
48	Applying SRTM digital elevation model to unravel Quaternary drainage in forested areas of Northeastern Amazonia. Computers and Geosciences, 2009, 35, 2331-2337.	4.2	24
49	Coexistence of forest and savanna in an Amazonian area from a geological perspective. Journal of Vegetation Science, 2010, 21, 120-132.	2.2	24
50	A Late Pleistoceneâ€“Holocene wetland megafan in the Brazilian Amazonia. Sedimentary Geology, 2012, 282, 276-293.	2.1	24
51	The effect of global warming on the establishment of mangroves in coastal Louisiana during the Holocene. Geomorphology, 2021, 381, 107648.	2.6	24
52	Facies analysis of the CodÃ³ Formation (Late Aptian) in the GrajaÃº Area, Southern SÃ£o LuÃs-GrajaÃº Basin. Anais Da Academia Brasileira De Ciencias, 2004, 76, 791-806.	0.8	23
53	Holocene coastal vegetation changes at the mouth of the Amazon River. Review of Palaeobotany and Palynology, 2011, 168, 21-30.	1.5	22
54	Multiple remote sensing techniques as a tool for reconstructing late Quaternary drainage in the Amazon lowland. Earth Surface Processes and Landforms, 2010, 35, 1234-1239.	2.5	21

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55	Facies, Î´13C, Î´15N and C/N analyses in a late Quaternary compound estuarine fill, northern Brazil and relation to sea level. Marine Geology, 2010, 274, 135-150.	2.1	21
56	Neotectonic evolution of the Brazilian northeastern continental margin based on sedimentary facies and ichnology,. Quaternary Research, 2014, 82, 462-472.	1.7	21
57	Fossil megafans evidenced by remote sensing in the Amazonian wetlands. Zeitschrift FÃ¼r Geomorphologie, 2014, 58, 145-161.	0.8	20
58	Contribution to the stratigraphy of the onshore ParaÃba Basin, Brazil. Anais Da Academia Brasileira De Ciencias, 2012, 84, 313-334.	0.8	20
59	Genesis of the largest Amazonian wetland in northern Brazil inferred by morphology and gravity anomalies. Journal of South American Earth Sciences, 2016, 69, 1-10.	1.4	19
60	Regionalization of local geomorphometric derivations for geological mapping in the sedimentary domain of central AmazÃ´nia. Computers and Geosciences, 2017, 100, 46-56.	4.2	19
61	Linking lacustrine cycles with syn-sedimentary tectonic episodes: an example from the CodÃ³ Formation (late Aptian), northeastern Brazil. Geological Magazine, 2005, 142, 269-285.	1.5	18
62	First evidence of marine influence in the Cretaceous of the Amazonas Basin, Brazil. Cretaceous Research, 2006, 27, 513-528.	1.4	18
63	Paleohydrology of an Upper Aptian lacustrine system from northeastern Brazil: Integration of facies and isotopic geochemistry. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 241, 247-266.	2.3	18
64	The growth of the Doce River Delta in northeastern Brazil indicated by sedimentary facies and diatoms. Diatom Research, 2013, 28, 455-466.	1.2	18
65	Millennial to secular time-scale impacts of climate and sea-level changes on mangroves from the Doce River delta, Southeastern Brazil. Holocene, 2016, 26, 1733-1749.	1.7	18
66	Decadalâ€scale dynamics of an Amazonian mangrove caused by climate and sea level changes: Inferences from spatialâ€“temporal analysis and digital elevation models. Earth Surface Processes and Landforms, 2018, 43, 2876-2888.	2.5	18
67	Effects of Beach Nourishment Project on Coastal Geomorphology and Mangrove Dynamics in Southern Louisiana, USA. Remote Sensing, 2021, 13, 2688.	4.0	17
68	Impact of sedimentary processes on white-sand vegetation in an Amazonian megafan. Journal of Tropical Ecology, 2016, 32, 498-509.	1.1	16
69	Origins of the Rio Capim kaolinites (northern Brazil) revealed by Î´18O and Î´D analyses. Applied Clay Science, 2007, 37, 281-294.	5.2	14
70	Late Quaternary drainage dynamics in northern Brazil based on the study of a large paleochannel from southwestern MarajÃ³ Island. Anais Da Academia Brasileira De Ciencias, 2008, 80, 579-593.	0.8	14
71	Palaeoenvironmental control on modern forest composition of southwestern MarajÃ³ Island, Eastern Amazonia. Water and Environment Journal, 2012, 26, 70-84.	2.2	14
72	Relative sea-level and climatic changes in the Amazon littoral during the last 500 years. Catena, 2015, 133, 441-451.	5.0	14

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73	Quaternary reactivation of a basement structure in the Barreirinhas Basin, Brazilian Equatorial Margin. Quaternary Research, 2009, 72, 103-110.	1.7	13
74	Influence of landscape evolution on the distribution of floristic patterns in northern Amazonia revealed by Î´¹³C data. Journal of Quaternary Science, 2012, 27, 854-864.	2.1	13
75	Object-based classification of vegetation and terrain topography in Southwestern Amazonia (Brazil) as a tool for detecting ancient fluvial geomorphic features. Computers and Geosciences, 2013, 60, 41-50.	4.2	13
76	Neogeneâ€“Quaternary fault reactivation influences coastal basin sedimentation and landform in the continental margin of NE Brazil. Quaternary International, 2017, 438, 92-107.	1.5	13
77	Neotectonics and tree mortality in a forest ecosystem of the Negro basin: Geomorphic evidence of contemporary seismicity in the intracratonic Brazilian Amazonia. Geomorphology, 2019, 329, 138-151.	2.6	13
78	Analysing the origin of the Upper Cretaceousâ€“?Lower Tertiary Rio Capim semi flint (ParÃ¡ State, Brazil) under a sedimentologic perspective. Sedimentary Geology, 2006, 186, 133-144.	2.1	12
79	Late Quaternary landscape evolution of northeastern Amazonia from pollen and diatom records. Anais Da Academia Brasileira De Ciencias, 2013, 85, 35-55.	0.8	12
80	Late Holocene mangrove dynamics dominated by autogenic processes. Earth Surface Processes and Landforms, 2017, 42, 2013-2023.	2.5	12
81	Vegetation Change in Southwestern Amazonia (Brazil) and Relationship to the Late Pleistocene and Holocene Climate. Radiocarbon, 2017, 59, 69-89.	1.8	12
82	Late Holocene tectonic influence on hydrology and vegetation patterns in a northern Amazonian megafan. Catena, 2017, 158, 121-130.	5.0	12
83	Neotectonics in the South American passive margin: Evidence of Late Quaternary uplifting in the northern Paraiba Basin (NE Brazil). Geomorphology, 2019, 325, 1-16.	2.6	12
84	Mapping Neogene and Quaternary sedimentary deposits in northeastern Brazil by integrating geophysics, remote sensing and geological field data. Journal of South American Earth Sciences, 2014, 56, 316-327.	1.4	11
85	Tectonics and drainage development in central Amazonia: The JuruÃ¡ River. Catena, 2021, 206, 105560.	5.0	11
86	Biodiversity from a historical geology perspective: a case study from Marajo Island, lower Amazon. Geobiology, 2006, 4, 215-223.	2.4	10
87	Imaging underwater neotectonic structures in the Amazonian lowland. Holocene, 2014, 24, 1269-1277.	1.7	10
88	Relation between carbon isotopes of plants and soils on MarajÃ³ Island, a large tropical island: Implications for interpretation of modern and past vegetation dynamics in the Amazon region. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 415, 91-104.	2.3	10
89	White sand vegetation in an Amazonian lowland under the perspective of a young geological history. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20181337.	0.8	10
90	Delineating shallow Neogene deformation structures in northeastern ParÃ¡ State using Ground Penetrating Radar. Anais Da Academia Brasileira De Ciencias, 2003, 75, 235-248.	0.8	9

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91	Petrography of gypsum-bearing facies of the CodÃ³ Formation (Late Aptian), Northern Brazil. Anais Da Academia Brasileira De Ciencias, 2006, 78, 557-572.	0.8	9
92	Paleoenvironmental Evolution of Continental Carbonates in West-Central Brazil. Anais Da Academia Brasileira De Ciencias, 2017, 89, 407-429.	0.8	9
93	Effects of the 2017â€“2018 winter freeze on the northern limit of the American mangroves, Mississippi River delta plain. Geomorphology, 2021, , 107968.	2.6	9
94	Estratigrafia da sucessÃ£o sedimentar PÃ³s-Barreiras (Zona Bragantina, ParÃ¡) com base em radar de penetraÃ§Ã£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.	1.6	8
96	An Upper Aptian saline pan/lake system from the Brazilian equatorial margin: integration of facies and isotopes. Sedimentology, 2005, 52, 051110021051001-???.	3.1	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.	4.0	8
98	The influence of late Quaternary sedimentation on vegetation in an Amazonian lowland megafan. Earth Surface Processes and Landforms, 2018, 43, 1259-1279.	2.5	8
99	Tectonic control on the stratigraphic framework of Late Pleistocene and Holocene deposits in MarajÃ³ Island, State of ParÃ¡, eastern Amazonia. Anais Da Academia Brasileira De Ciencias, 2010, 82, 439-449.	0.8	7
100	Unfolding longâ€term Late Pleistoceneâ€“Holocene disturbances of forest communities in the southwestern Amazonian lowlands. Ecosphere, 2018, 9, e02457.	2.2	7
101	D. Rossetti, P. Mann de Toledo, A.-M. GÃ³es, New geological framework for Western Amazonia (Brazil) and implications for biogeography and evolution, Quaternary Research 63 (2005) 78â€“89. Quaternary Research, 2005, 64, 279-282.	1.7	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.	1.4	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.	0.8	5
104	Have the Amazonian lowlands evidenced late Pleistocene-Holocene compression?. Journal of South American Earth Sciences, 2021, 107, 103044.	1.4	5
105	Microfacies and sequence stratigraphy of the AmapÃ¡ Formation, Late Paleocene to Early Eocene, Foz do Amazonas Basin, Brazil. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 280, 440-455.	2.3	4
106	DiscriminaÃ§Ã£o dos depÃ³sitos cenozoicos da parte emersa da Bacia ParaÃba (NE, Brasil) por meio de minerais pesados e granulometria. Brazilian Journal of Geology, 2013, 43, 555-570.	0.7	4
107	Did Sea-Level Changes Affect the Brazilian Amazon Forest during the Holocene?. Radiocarbon, 2018, 60, 91-112.	1.8	3
108	Late Pleistoceneâ€“Holocene stress in the South American intraplate evidenced by tectonic instability in central Amazonia. Quaternary Research, 0, , 1-17.	1.7	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. Radiocarbon, 2013, 55, .	1.8	2
110	Neotectonics in MarajÃ³ Island, State of ParÃ¡ (Brazil) revealed by vertical electric sounding integrated with remote sensing and geological data. Anais Da Academia Brasileira De Ciencias, 2013, 85, 73-86.	0.8	2
111	A large-scale domal relief due to intraplate neotectonic compression in central Amazonia. Geomorphology, 2022, 407, 108218.	2.6	2
112	Facies Architecture and Sequential Evolution of an Incised-Valley Estuarine Fill: The Cujupe Formation (Upper Cretaceous to ?Lower Tertiary), SaO Luis Basin, Northern Brazil. Journal of Sedimentary Research, 1998, Vol. 68 (1998),, .	1.6	1
113	Late Pleistocene and Holocene Vegetation, Climate Dynamics, and Amazonian taxa in the Atlantic Rainforest of Linhares, Southeastern Brazil. Radiocarbon, 2013, 55, .	1.8	0
114	FitÃ³litos como indicadores de mudanÃ§as ambientais durante o Holoceno na costa norte do estado do EspÃrito Santo (Brasil). Quaternary and Environmental Geosciences, 2015, 6, .	0.1	0
115	Radar de penetraÃ§Ã£o no solo aplicado Ã caracterizaÃ§Ã£o de estruturas tectÃ´nicas miocÃªnicas e quaternÃ¡rias no leste da ilha do MarajÃ³ (PA). Brazilian Journal of Geology, 2014, 44, 55-72.	0.7	0
116	Delineation of main relief subdomains of central Amazonia for regional geomorphometric mapping with SRTM data. Journal of South American Earth Sciences, 2020, 104, 102842.	1.4	0