

Pedro Walfir M Souza-Filho

List of Publications by Year in descending order

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97
papers

3,077
citations

186265

28
h-index

189892

50
g-index

101
all docs

101
docs citations

101
times ranked

3095
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper mining in the eastern Amazon: an environmental perspective on potentially toxic elements. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1767-1781.	3.4	11
2	Spectral diversity allows remote detection of the rehabilitation status in an Amazonian iron mining complex. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2022, 106, 102653.	2.8	4
3	Spectral and Soil Quality Index for Monitoring Environmental Rehabilitation and Soil Carbon Stock in an Amazonian Sandstone Mine. <i>Sustainability</i> , 2022, 14, 597.	3.2	7
4	Investigating Changes Driving Cumulative Impacts on Native Vegetation in Mining Regions in the Northeastern Brazilian Amazon. <i>Environmental Management</i> , 2022, 69, 438-448.	2.7	2
5	Changes in soil properties during iron mining and in rehabilitating minelands in the Eastern Amazon. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 256.	2.7	10
6	Seasonal variations in the backscatter of RADARSAT-1 images in tropical coastal environments. <i>Brazilian Journal of Geology</i> , 2022, 52, .	0.7	0
7	Nutrient requirements of <i>paricã</i> (<i>Schizolobium parahyba</i> var. <i>amazonicum</i>): optimizing seedling quality for reforestation programs. <i>Acta Amazonica</i> , 2022, 52, 96-103.	0.7	0
8	Amazon Sediment Transport and Accumulation Along the Continuum of Mixed Fluvial and Marine Processes. <i>Annual Review of Marine Science</i> , 2021, 13, 501-536.	11.6	25
9	Land-use intensity of official mineral extraction in the Amazon region: Linking economic and spatial data. <i>Land Degradation and Development</i> , 2021, 32, 1706-1717.	3.9	11
10	Lake sedimentary processes and vegetation changes over the last 45k cal a BP in the uplands of southeastern Amazonia. <i>Journal of Quaternary Science</i> , 2021, 36, 255-272.	2.1	9
11	A Large-Scale Deep-Learning Approach for Multi-Temporal Aqua and Salt-Culture Mapping. <i>Remote Sensing</i> , 2021, 13, 1415.	4.0	10
12	Recent sedimentation in an Amazon tidal tributary: Integrated analysis of morphology and sedimentology. <i>Journal of South American Earth Sciences</i> , 2021, 107, 103134.	1.4	2
13	ãBiochar and Compost Affect the Phosphorus Sorption, Nutrient Availability, and Growth of <i>Dioclea apurensis</i> in Iron Mining Soil. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 674.	2.0	2
14	Response of Water Balance Components to Changes in Soil Use and Vegetation Cover Over Three Decades in the Eastern Amazon. <i>Frontiers in Water</i> , 2021, 3, .	2.3	3
15	Source and background threshold values of potentially toxic elements in soils by multivariate statistics and GIS-based mapping: a high density sampling survey in the Parauapebas basin, Brazilian Amazon. <i>Environmental Geochemistry and Health</i> , 2020, 42, 255-282.	3.4	31
16	Terrestrial water storage and Pacific SST affect the monthly water balance of Itacaiãnas River Basin (Eastern Amazonia). <i>International Journal of Climatology</i> , 2020, 40, 3021-3035.	3.5	7
17	Multivariate statistics and geochemical approaches for understanding source-sink relationship - a case study from close-basin lakes in Southeast Amazon. <i>Journal of South American Earth Sciences</i> , 2020, 99, 102497.	1.4	7
18	Land cover change, landscape degradation, and restoration along a railway line in the Amazon biome, Brazil. <i>Land Degradation and Development</i> , 2020, 31, 2033-2046.	3.9	11

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19	Integrating environmental variables by multivariate ordination enables the reliable estimation of mineland rehabilitation status. <i>Journal of Environmental Management</i> , 2020, 256, 109894.	7.8	21
20	The sustainability index of the physical mining Environment in protected areas, Eastern Amazon. <i>Environmental and Sustainability Indicators</i> , 2020, 8, 100074.	3.3	7
21	Regional-scale mapping for determining geochemical background values in soils of the Itacaiãnas River Basin, Brazil: The use of compositional data analysis (CoDA). <i>Geoderma</i> , 2020, 376, 114504.	5.1	39
22	The role of fault reactivation in the development of tropical montane lakes. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3732-3746.	2.5	4
23	Reconstructing Three Decades of Land Use and Land Cover Changes in Brazilian Biomes with Landsat Archive and Earth Engine. <i>Remote Sensing</i> , 2020, 12, 2735.	4.0	589
24	Geochemical mapping in stream sediments of the Carajás Mineral Province: Background values for the Itacaiãnas River watershed, Brazil. <i>Applied Geochemistry</i> , 2020, 118, 104608.	3.0	24
25	Land Cover Changes in Open-Cast Mining Complexes Based on High-Resolution Remote Sensing Data. <i>Remote Sensing</i> , 2020, 12, 611.	4.0	27
26	Improving mangrove above-ground biomass estimates using LiDAR. <i>Estuarine, Coastal and Shelf Science</i> , 2020, 236, 106585.	2.1	33
27	Challenges and opportunities for large-scale reforestation in the Eastern Amazon using native species. <i>Forest Ecology and Management</i> , 2020, 466, 118120.	3.2	34
28	The effect of anthropogenic drivers on spatial patterns of mangrove land use on the Amazon coast. <i>PLoS ONE</i> , 2019, 14, e0217754.	2.5	30
29	Mapping and quantification of ferruginous outcrop savannas in the Brazilian Amazon: A challenge for biodiversity conservation. <i>PLoS ONE</i> , 2019, 14, e0211095.	2.5	36
30	Potential for Forest Restoration and Deficit Compensation in Itacaiãnas Watershed, Southeastern Brazilian Amazon. <i>Forests</i> , 2019, 10, 439.	2.1	9
31	High resolution hydrogeochemical survey and estimation of baseline concentrations of trace elements in surface water of the Itacaiãnas River Basin, southeastern Amazonia: Implication for environmental studies. <i>Journal of Geochemical Exploration</i> , 2019, 205, 106321.	3.2	38
32	Seasonal, tidal, and geomorphic controls on sediment export to Amazon River tidal floodplains. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 1846-1859.	2.5	11
33	Brazilian Mangrove Status: Three Decades of Satellite Data Analysis. <i>Remote Sensing</i> , 2019, 11, 808.	4.0	101
34	Opposite Effects of Climate and Land Use Changes on the Annual Water Balance in the Amazon Arc of Deforestation. <i>Water Resources Research</i> , 2019, 55, 3092-3106.	4.2	55
35	Native leguminous plants for mineland revegetation in the eastern Amazon: seed characteristics and germination. <i>New Forests</i> , 2019, 50, 859-872.	1.7	20
36	Holocene history of a lake filling and vegetation dynamics of the Serra Sul dos Carajás, southeast Amazonia. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20160916.	0.8	8

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37	Statistical analysis of lake sediment geochemical data for understanding surface geological factors and processes: An example from Amazonian upland lakes, Brazil. <i>Catena</i> , 2019, 175, 47-62.	5.0	24
38	Mine land rehabilitation in Brazil: Goals and techniques in the context of legal requirements. <i>Ambio</i> , 2019, 48, 74-88.	5.5	64
39	Mine land rehabilitation: Modern ecological approaches for more sustainable mining. <i>Journal of Cleaner Production</i> , 2018, 172, 1409-1422.	9.3	99
40	A GEOBIA Approach for Multitemporal Land-Cover and Land-Use Change Analysis in a Tropical Watershed in the Southeastern Amazon. <i>Remote Sensing</i> , 2018, 10, 1683.	4.0	40
41	Morphology and morphometry of upland lakes over lateritic crust, Serra dos Carajás, southeastern Amazon region. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 1309-1325.	0.8	24
42	Sediment dynamics of a tropical tide-dominated estuary: Turbidity maximum, mangroves and the role of the Amazon River sediment load. <i>Estuarine, Coastal and Shelf Science</i> , 2018, 214, 10-24.	2.1	53
43	Landscape Genomic Conservation Assessment of a Narrow-Endemic and a Widespread Morning Glory From Amazonian Savannas. <i>Frontiers in Plant Science</i> , 2018, 9, 532.	3.6	48
44	Quillworts from the Amazon: A multidisciplinary populational study on <i>Isoetes serracarajensis</i> and <i>Isoetes cangae</i> . <i>PLoS ONE</i> , 2018, 13, e0201417.	2.5	20
45	Mapping Mining Areas in the Brazilian Amazon Using MSI/Sentinel-2 Imagery (2017). <i>Remote Sensing</i> , 2018, 10, 1178.	4.0	62
46	Pollen morphology of the Poaceae: implications of the palynological and paleoecological records of the southeastern Amazon in Brazil. <i>Palynology</i> , 2018, 42, 311-323.	1.5	13
47	Sensibilidade Ambiental a Derramamento de Óleo e Mapeamento de Unidades de Paisagem na Região Portuária do Maranhão. <i>Journal of Integrated Coastal Zone Management</i> , 2018, 18, 73-84.	0.1	2
48	Conserving relics from ancient underground worlds: assessing the influence of cave and landscape features on obligate iron cave dwellers from the Eastern Amazon. <i>PeerJ</i> , 2018, 6, e4531.	2.0	20
49	Environmental and vegetation changes in southeastern Amazonia during the late Pleistocene and Holocene. <i>Quaternary International</i> , 2017, 449, 83-105.	1.5	24
50	Modern pollen rain as a background for palaeoenvironmental studies in the Serra dos Carajás, southeastern Amazonia. <i>Holocene</i> , 2017, 27, 1055-1066.	1.7	20
51	River tributaries as sediment sinks: Processes operating where the Tapajás and Xingu rivers meet the Amazon tidal river. <i>Sedimentology</i> , 2017, 64, 1731-1753.	3.1	23
52	Geochemical characterization of the largest upland lake of the Brazilian Amazonia: Impact of provenance and processes. <i>Journal of South American Earth Sciences</i> , 2017, 80, 541-558.	1.4	18
53	Tidal influence on the hydrodynamics and sediment entrapment in a major Amazon River tributary – Lower Tapajás River. <i>Journal of South American Earth Sciences</i> , 2017, 79, 189-201.	1.4	15
54	Limnological characteristics and planktonic diversity of five tropical upland lakes from Brazilian Amazon. <i>Annales De Limnologie</i> , 2017, 53, 467-483.	0.6	27

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55	Three decades of reference evapotranspiration estimates for a tropical watershed in the eastern Amazon. <i>Anais Da Academia Brasileira De Ciencias</i> , 2017, 89, 1985-2002.	0.8	27
56	Uma nova proposta de indicadores de sustentabilidade na minera�o. <i>Sustentabilidade Em Debate</i> , 2017, 8, 15-29.	0.2	6
57	Estimativa de precipita�o e vaz�es m�dias para a bacia hidrogr�fica do rio Itacai�nas (BHRI), Amaz�nia Oriental, Brasil (Estimation of Precipitation and average Flows for the Itacai�nas River Watershed) <i>Tj ETQq1 1 0.784114 rgB211Overlo</i>	1.1	11
58	MORPHODYNAMICS OF THE AMAZON TIDAL-RIVER FLOODPLAIN ALONG THE FLUVIAL�TIDAL TRANSITION. , 2017, , .		0
59	Influence of seasonal variation on the hydro-biogeochemical characteristics of two upland lakes in the Southeastern Amazon, Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2016, 88, 2211-2227.	0.8	36
60	Late Quaternary environmental and climate changes registered in lacustrine sediments of the Serra Sul de Caraj�s, south�east Amazonia. <i>Journal of Quaternary Science</i> , 2016, 31, 61-74.	2.1	24
61	Pb Sr Nd isotopic tracing of the influence of the Amazon River on the bottom sediments in the lower Tapaj�s River. <i>Journal of South American Earth Sciences</i> , 2016, 70, 36-48.	1.4	9
62	Four decades of land-cover, land-use and hydroclimatology changes in the Itacai�nas River watershed, southeastern Amazon. <i>Journal of Environmental Management</i> , 2016, 167, 175-184.	7.8	125
63	Geochemistry of upland lacustrine sediments from Serra dos Caraj�s, Southeastern Amazon, Brazil: Implications for catchment weathering, provenance, and sedimentary processes. <i>Journal of South American Earth Sciences</i> , 2016, 72, 178-190.	1.4	29
64	AN�LISE ESTAT�STICA MULTIVARIADA DE M�TODOS DE VULNERABILIDADE F�SICA EM ZONAS COSTEIRAS TROPICAIS. <i>Revista Brasileira De Geomorfologia</i> , 2016, 17, .	0.2	4
65	Investigation of sewage contamination using steroid indexes in sediments of the Guajar� Estuary (Amazon coast, Brazil). <i>Brazilian Journal of Oceanography</i> , 2015, 63, 501-510.	0.6	5
66	Radarsat-2 Backscattering for the Modeling of Biophysical Parameters of Regenerating Mangrove Forests. <i>Remote Sensing</i> , 2015, 7, 17097-17112.	4.0	36
67	Spatial distribution of southern brown shrimp (<i>Farfantepenaeus subtilis</i>) on the Amazon continental shelf: a fishery, marine geology and GIS integrated approach. <i>Brazilian Journal of Oceanography</i> , 2015, 63, 397-406.	0.6	10
68	Mangrove shrimp farm mapping and productivity on the Brazilian Amazon coast: Environmental and economic reasons for coastal conservation. <i>Ocean and Coastal Management</i> , 2015, 104, 65-77.	4.4	21
69	Use of multi-proxy approaches to determine the origin and depositional processes in modern lacustrine sediments: Caraj�s Plateau, Southeastern Amazon, Brazil. <i>Applied Geochemistry</i> , 2015, 52, 130-146.	3.0	39
70	GENERATION AND EVALUATION OF RADARGRAMMETRIC DEM FROM RADARSAT-1 STANDARD IMAGES IN LOW RELIEF AREA IN THE AMAZON COASTAL PLAIN. <i>Revista Brasileira De Geofisica</i> , 2015, 32, 405.	0.2	1
71	Chemical Composition of the Bragantino Estuary Mangrove Sediment (PA) - Brazil. <i>Revista Virtual De Quimica</i> , 2015, 7, 1087-1101.	0.4	3
72	Contribution of L-band SAR to systematic global mangrove monitoring. <i>Marine and Freshwater Research</i> , 2014, 65, 589.	1.3	52

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73	Source and distribution of pollen and spores in surface sediments of a plateau lake in southeastern Amazonia. <i>Quaternary International</i> , 2014, 352, 181-196.	1.5	31
74	Using Spectral analysis of Landsat-5 TM images to map coastal wetlands in the Amazon River mouth, Brazil. <i>Wetlands Ecology and Management</i> , 2014, 22, 79-92.	1.5	15
75	Priority areas for the conservation of the fish fauna of the Amazon Estuary in Brazil: A multicriteria approach. <i>Ocean and Coastal Management</i> , 2014, 100, 116-127.	4.4	6
76	Mapping changes in the largest continuous Amazonian mangrove belt using object-based classification of multisensor satellite imagery. <i>Estuarine, Coastal and Shelf Science</i> , 2013, 117, 83-93.	2.1	130
77	MAPPING OF ENVIRONMENTAL SENSITIVITY INDEX TO OIL SPILL FROM LANDSAT TM IMAGES: A STUDY CASE ON THE AMAZON COASTAL PLAIN. <i>Revista Brasileira De Geofisica</i> , 2013, 30, 533.	0.2	4
78	Triterpenols in mangrove sediments as a proxy for organic matter derived from the red mangrove (<i>Rhizophora mangle</i>). <i>Organic Geochemistry</i> , 2011, 42, 62-73.	1.8	45
79	Discrimination of coastal wetland environments in the Amazon region based on multi-polarized L-band airborne Synthetic Aperture Radar imagery. <i>Estuarine, Coastal and Shelf Science</i> , 2011, 95, 88-98.	2.1	29
80	Use of Multi-Sensor Data to Identify and Map Tropical Coastal Wetlands in the Amazon of Northern Brazil. <i>Wetlands</i> , 2011, 31, 11-23.	1.5	32
81	Impact of aquaculture on mangrove areas in the northern Pernambuco Coast (Brazil) using remote sensing and geographic information system. <i>Aquaculture Research</i> , 2010, 41, 828-838.	1.8	40
82	A socioeconomic and natural vulnerability index for oil spills in an Amazonian harbor: A case study using GIS and remote sensing. <i>Journal of Environmental Management</i> , 2010, 91, 1972-1980.	7.8	55
83	Dune advance into a coastal forest, equatorial Brazil: A subsurface perspective. <i>Aeolian Research</i> , 2010, 2, 27-32.	2.7	11
84	COMPARTIMENTAÇÃO MORFOLÓGICA DA MARGEM LESTE DA ILHA DE MARAJÁ: ZONA COSTEIRA DOS MUNICÍPIOS DE SOURE E SALVATERRA - ESTADO DO PARÁ. <i>Revista Brasileira De Geomorfologia</i> , 2010, 7, .	0.2	4
85	Morphology and modern sedimentary deposits of the macrotidal Marapanim Estuary (Amazon, Brazil). <i>Continental Shelf Research</i> , 2009, 29, 619-631.	1.8	25
86	The Subsiding Macrotidal Barrier Estuarine System of the Eastern Amazon Coast, Northern Brazil. <i>Lecture Notes in Earth Sciences</i> , 2009, , 347-375.	0.5	45
87	Análise faciológica e estratigráfica da planície costeira de Soure (margem leste da ilha de Marajá-PA), no trecho compreendido entre o canal do Cajuana e o estuário Paracauari. <i>Acta Amazonica</i> , 2007, 37, 261-268.	0.7	3
88	Using mangroves as a geological indicator of coastal changes in the Bragança macrotidal flat, Brazilian Amazon: A remote sensing data approach. <i>Ocean and Coastal Management</i> , 2006, 49, 462-475.	4.4	64
89	A Model of Holocene Mangrove Development and Relative Sea-level Changes on the Bragança Peninsula (Northern Brazil). <i>Wetlands Ecology and Management</i> , 2005, 13, 433-443.	1.5	110
90	Use of RADARSAT-1 fine mode and Landsat-5 TM selective principal component analysis for geomorphological mapping in a macrotidal mangrove coast in the Amazon Region. <i>Canadian Journal of Remote Sensing</i> , 2005, 31, 214-224.	2.4	28

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91	Research challenges at the land-sea interface. <i>Estuarine, Coastal and Shelf Science</i> , 2003, 58, 699-702.	2.1	27
92	Use of synthetic aperture radar for recognition of Coastal Geomorphological Features, land-use assessment and shoreline changes in Bragança coast, Pará, Northern Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2003, 75, 341-356.	0.8	35
93	Title is missing!. <i>Wetlands Ecology and Management</i> , 2002, 10, 121-130.	1.5	20
94	GEOMORPHOLOGY OF THE BRAGANÇA COASTAL ZONE, NORTHEASTERN PARÁ-STATE. <i>Revista Brasileira De Geociências</i> , 2000, 30, 522-526.	0.1	7
95	CLIMATE INDICATORS FOR A WATERSHED IN THE EASTERN AMAZON. <i>Revista Brasileira De Climatologia</i> , 0, 23, .	0.3	10
96	Comparison of sediment rating curves and sediment yield in subbasins of the Itacaiúnas River Watershed, Eastern Amazon. <i>Revista Brasileira De Recursos Hidricos</i> , 0, 26, .	0.5	4
97	Changes in the land cover and land use of the Itacaiunas River watershed, arc of deforestation, Carajas, southeastern Amazon. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XL-7/W3, 1491-1496.	0.2	10