Enio Pereira

List of Publications by Year in descending order

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68 papers	1,984 citations	279487 23 h-index	264894 42 g-index
70 all docs	70 docs citations	70 times ranked	2301 citing authors

#	Article	IF	Citations
1	Baseline Surface Radiation Network (BSRN): structure and data description (1992â€“2017). Earth System Science Data, 2018, 10, 1491-1501.	3.7	229
2	A Simple Method for the Assessment of the Cloud Cover State in High-Latitude Regions by a Ground-Based Digital Camera. Journal of Atmospheric and Oceanic Technology, 2006, 23, 437-447.	0.5	114
3	Satellite-derived solar resource maps for Brazil under SWERA project. Solar Energy, 2007, 81, 517-528.	2.9	114
4	Atlas brasileiro de energia solar. , 0, , .		109
5	Forecast for surface solar irradiance at the Brazilian Northeastern region using NWP model and artificial neural networks. Renewable Energy, 2016, 87, 807-818.	4.3	106
6	Accumulation of Mercury in Sea Bass from a Contaminated Lagoon (Ria de Aveiro, Portugal). Marine Pollution Bulletin, 2000, 40, 293-297.	2.3	91
7	Estimating the potential for solar energy utilization in Chile by satellite-derived data and ground station measurements. Solar Energy, 2015, 121, 139-151.	2.9	76
8	The Use of Euclidean Geometric Distance on RGB Color Space for the Classification of Sky and Cloud Patterns. Journal of Atmospheric and Oceanic Technology, 2010, 27, 1504-1517.	0.5	73
9	Solar energy resource assessment in Chile: Satellite estimation and ground station measurements. Renewable Energy, 2014, 71, 324-332.	4.3	70
10	Enhancing information for solar and wind energy technology deployment in Brazil. Energy Policy, 2011, 39, 4378-4390.	4.2	69
11	Assessing the potential of concentrating solar photovoltaic generation in Brazil with satellite-derived direct normal irradiation. Solar Energy, 2011, 85, 486-495.	2.9	66
12	Solar energy scenarios in Brazil, Part one: Resource assessment. Energy Policy, 2008, 36, 2853-2864.	4.2	63
13	Apportionment of black carbon in the South Shetland Islands, Antarctic Peninsula. Journal of Geophysical Research, 2006, 111, .	3.3	61
14	On the impact of haze on the yield of photovoltaic systems in Singapore. Renewable Energy, 2016, 89, 389-400.	4.3	48
15	Airborne measurements of aerosols from burning biomass in Brazil related to the TRACE A experiment. Journal of Geophysical Research, 1996, 101, 23983-23992.	3.3	47
16	The impacts of global climate changes on the wind power density in Brazil. Renewable Energy, 2013, 49, 107-110.	4.3	46
17	Solar energy scenarios in Brazil. Part two: Photovoltaics applications. Energy Policy, 2008, 36, 2865-2877.	4.2	45
18	Scenarios for solar thermal energy applications in Brazil. Energy Policy, 2012, 48, 640-649.	4.2	43

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19	PV power conversion and short-term forecasting in a tropical, densely-built environment in Singapore. Renewable Energy, 2016, 94, 496-509.	4.3	42
20	Survey of the incident solar radiation in Brazil by use of meteosat satellite data. Solar Energy, 1996, 57, 125-132.	2.9	34
21	Climate trends on the extreme winds in Brazil. Renewable Energy, 2017, 109, 110-120.	4.3	33
22	Effects of burning of biomass on satellite estimations of solar irradiation in Brazil. Solar Energy, 2000, 68, 91-107.	2.9	32
23	Enhancements of CO and O3 from burnings in sugar cane fields. Journal of Atmospheric Chemistry, 1991, 12, 87-102.	1.4	29
24	Sources and Transport of Urban and Biomass Burning Aerosol Black Carbon at the Southâ€“West Atlantic Coast. Journal of Atmospheric Chemistry, 2007, 56, 225-238.	1.4	29
25	Radon flux at King George Island, Antarctic Peninsula. Journal of Environmental Radioactivity, 2002, 61, 283-304.	0.9	26
26	Comparative study of satellite and ground techniques for cloud cover determination. Advances in Space Research, 2003, 32, 2275-2280.	1.2	20
27	The seasonal variability and trends for the surface solar irradiation in northeastern region of Brazil. Sustainable Energy Technologies and Assessments, 2019, 35, 335-346.	1.7	20
28	Transport of crustal microparticles from Chilean Patagonia to the Antarctic Peninsula by SEM-EDS analysis. Tellus, Series B: Chemical and Physical Meteorology, 2022, 56, 262.	0.8	19
29	Radon-222 time series measurements in the Antarctic peninsula (1986-1987). Tellus, Series B: Chemical and Physical Meteorology, 1990, 42, 39-45.	0.8	16
30	Transport of crustal microparticles from Chilean Patagonia to the Antarctic Peninsula by SEM-EDS analysis. Tellus, Series B: Chemical and Physical Meteorology, 2004, 56, 262-275.	0.8	15
31	The influence of cloud cover index on the accuracy of solar irradiance model estimates. Meteorology and Atmospheric Physics, 2008, 99, 169-180.	0.9	13
32	Atmospheric radon measurements by electrostatic precipitation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 280, 503-505.	0.7	12
33	Trace element determination in aerosols from the Antarctic Peninsula by neutron activation analysis. Journal of Radioanalytical and Nuclear Chemistry, 1992, 159, 21-28.	0.7	12
34	Estudo comparativo da confiabilidade de estimativas de irradiaÃ§Ã£o solar para o sudeste brasileiro obtidas a partir de dados de satÃ©lite e por interpolaÃ§Ã£o/extrapolaÃ§Ã£o de dados de superfÃcie. Revista Brasileira De Geofisica, 2011, 29, 265-276.	0.2	12
35	Analysis of intra-day solar irradiance variability in different Brazilian climate zones. Solar Energy, 2018, 167, 210-219.	2.9	11
36	Solar Energy Resource Assessment in Chile: Satellite Estimation and Ground Station Measurement. Energy Procedia, 2014, 57, 1257-1265.	1.8	10

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37	O mercado brasileiro da energia eÃ³lica, impactos sociais e ambientais. Revista Ambiente & Ãgua, 2017, 12, 1082.	0.1	10
38	U, Th and K content, heat production and thermal conductivity of SÃ£o Paulo, Brazil, continental shelf sediments: A reconnaissance work. Chemical Geology: Isotope Geoscience Section, 1986, 58, 217-226.	0.7	9
39	Assessment of Summer Trends of Tropospheric Radon Isotopes in a Coastal Antarctic Station (Terra) Tj ETQq1 1 0.784314 rgBT /Over	1.8	9
40	Parameterization of aerosols from burning biomass in the Brazil-SR radiative transfer model. Solar Energy, 2006, 80, 231-239.	2.9	9
41	Solar smart grid as a path to economic inclusion and adaptation to climate change in the Brazilian Semiarid Northeast. International Journal of Climate Change Strategies and Management, 2019, 11, 499-517.	1.5	9
42	Case study for hybrid power generation combining hydro- and photovoltaic energy resources in the Brazilian semiarid region. Clean Technologies and Environmental Policy, 2019, 21, 941-952.	2.1	9
43	Hybrid power generation for increasing water and energy securities during drought: Exploring local and regional effects in a semi-arid basin. Journal of Environmental Management, 2021, 294, 112989.	3.8	8
44	Spectral impact on PV in low-latitude sites: The case of southeastern Brazil. Renewable Energy, 2021, 164, 1306-1319.	4.3	7
45	Numerical Assessment of Downward Incoming Solar Irradiance in Smoke Influenced Regionsâ€"A Case Study in Brazilian Amazon and Cerrado. Remote Sensing, 2021, 13, 4527.	1.8	7
46	Reconnaissance of elemental composition in aerosols of the Antarctic Peninsula. Atmospheric Environment Part A General Topics, 1992, 26, 1549-1550.	1.3	5
47	Biomass burning controlled modulation of the solar radiation in Brazil. Advances in Space Research, 1999, 24, 971-975.	1.2	5
48	Investigating Local and Remote Terrestrial Influence on Air Masses at Contrasting Antarctic Sites Using Radonâ€222 and Back Trajectories. Journal of Geophysical Research D: Atmospheres, 2017, 122, 13,525.	1.2	5
49	Confiabilidade nas estimativas do regime do vento fornecidas pelo brams no estado de Alagoas: influÃªncia do aninhamento e da resoluÃ§Ã£o horizontal de grades. Revista Brasileira De Meteorologia, 2014, 29, 242-258.	0.2	5
50	Determination of iridium concentration in sedimentary rocks and in the geochemical standard PCC-1 by radiochemical neutron activation analysis. Journal of Radioanalytical and Nuclear Chemistry, 1989, 132, 261-267.	0.7	4
51	Comparison of methodologies for cloud cover estimation in Brazil - A case study. Energy for Sustainable Development, 2018, 43, 15-22.	2.0	4
52	Comparing solar data from NWP models for Brazilian territory. IEEE Latin America Transactions, 2020, 18, 899-906.	1.2	3
53	Brazilian Atlas for Solar Energy Resource: Swera Results. , 2008, , 2651-2655.		3
54	Levantamento dos recursos de energia solar no Brasil com o emprego de satÃ©lite geoestacionÃ¡rio: o Projeto Swera. Revista Brasileira De Ensino De Fisica, 2004, 26, 145-159.	0.2	3

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55	Helium production in natural gas reservoirs. Geophysical Research Letters, 1982, 9, 87-90.	1.5	2
56	Radon Dynamics and Reduction in an Underground Mine in Brazil. Implications for Workers' Exposure. Radiation Protection Dosimetry, 2002, 98, 235-238.	0.4	2
57	Potential source regions of biogenic aerosol number concentration apportioning at King George Island, Antarctic Peninsula. Antarctic Science, 2010, 22, 580-588.	0.5	2
58	Observational Study of Wind Shear in Northeastern Brazil. American Journal of Engineering and Applied Sciences, 2016, 9, 484-504.	0.3	2
59	Atmospheric aerosol influence on the Brazilian solar energy assessment: Experiments with different horizontal visibility bases in radiative transfer model. Renewable Energy, 2016, 90, 120-135.	4.3	2
60	Data generated by evaluating the seasonal variability and trend analysis of the solar energy resource in the Northeastern Brazilian region. Data in Brief, 2019, 26, 104529.	0.5	2
61	Fatores associados Ã distribuiÃ§Ã£o da temperatura das superfÃcies em Ã¡reas urbanas: zonas climÃ¡ticas locais e caracterÃsticas espectrais. Ambiente ConstruÃdo, 2021, 21, 237-262.	0.2	0
62	Brazilian Scenarios of Solar Energy Applications Using Swera Outputs. , 2008, , 2646-2650.		0
63	Horizontal Visibility Influence on the Brazilian Solar Energy Assessment: Surface and Model Data Intercomparsions. , 2011, , .		0
64	Monthly Solar Irradiance Variability in Brazilian Climate Zones. , 2018, , .		0
65	The Spatial and Temporal Patterns of the Surface Solar Irradiation in Northeastern Region of Brazil. , 2018, , .		0
66	Brazilian Photovoltaic Potential. , 2018, , .		0
67	Pegada hÃdrica de plantas hortÃculas cultivadas no semiÃ¡rido brasileiro. Revista Ibero-americana De CiÃªncias Ambientais, 2019, 10, 45-56.	0.0	0
68	Impactos das mudanÃ§as climÃ¡ticas na disponibilidade do recurso energÃ©tico solar. Brazilian Energy Journal, 2020, 26, .	0.0	0