

Marcia A Yamasoe

List of Publications by Year in descending order

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41
papers

2,030
citations

393982

19
h-index

344852

36
g-index

53
all docs

53
docs citations

53
times ranked

2714
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical composition of aerosol particles from direct emissions of vegetation fires in the Amazon Basin: water-soluble species and trace elements. <i>Atmospheric Environment</i> , 2000, 34, 1641-1653.	1.9	347
2	Physical and chemical properties of aerosols in the wet and dry seasons in Rondônia, Amazonia. <i>Journal of Geophysical Research</i> , 2002, 107, LBA 49-1.	3.3	250
3	High aerosol optical depth biomass burning events: A comparison of optical properties for different source regions. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	179
4	Large-scale aerosol source apportionment in Amazonia. <i>Journal of Geophysical Research</i> , 1998, 103, 31837-31847.	3.3	135
5	Fine mode aerosol composition at three long-term atmospheric monitoring sites in the Amazon Basin. <i>Journal of Geophysical Research</i> , 1994, 99, 22857.	3.3	131
6	ACRIDICON“CHUVA Campaign: Studying Tropical Deep Convective Clouds and Precipitation over Amazonia Using the New German Research Aircraft HALO. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1885-1908.	1.7	124
7	Single-scattering albedo of smoke retrieved from the sky radiance and solar transmittance measured from ground. <i>Journal of Geophysical Research</i> , 1998, 103, 31903-31923.	3.3	109
8	Long-term monitoring of atmospheric aerosols in the Amazon Basin: Source identification and apportionment. <i>Journal of Geophysical Research</i> , 1998, 103, 31849-31864.	3.3	94
9	Retrieval of the real part of the refractive index of smoke particles from Sun/sky measurements during SCAR-B. <i>Journal of Geophysical Research</i> , 1998, 103, 31893-31902.	3.3	62
10	Observed reductions of total solar irradiance by biomass-burning aerosols in the Brazilian Amazon and Zambian Savanna. <i>Geophysical Research Letters</i> , 2002, 29, 4-1-4-4.	1.5	62
11	Satellite retrieval of aerosol absorption over the oceans using sunglint. <i>Geophysical Research Letters</i> , 2002, 29, 34-1-34-4.	1.5	58
12	Atmospheric mercury and trace elements in the region of Alta Floresta in the Amazon Basin. <i>Water, Air, and Soil Pollution</i> , 1995, 80, 273-283.	1.1	56
13	Effect of smoke and clouds on the transmissivity of photosynthetically active radiation inside the canopy. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 1645-1656.	1.9	54
14	Monoterpene chemical speciation in a tropical rainforest: variation with season, height, and time of day at the Amazon Tall Tower Observatory (ATTO). <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3403-3418.	1.9	50
15	Modeling the South American regional smoke plume: aerosol optical depth variability and surface shortwave flux perturbation. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 2923-2938.	1.9	48
16	Correlation between smoke and tropospheric ozone concentration in Cuiabá during Smoke, Clouds, and Radiation-Brazil (SCAR-B). <i>Journal of Geophysical Research</i> , 1999, 104, 12113-12129.	3.3	42
17	Atmospheric effects on insolation in the Brazilian Amazon: Observed modification of solar radiation by clouds and smoke and derived single scattering albedo of fire aerosols. <i>Journal of Geophysical Research</i> , 2002, 107, LBA 41-1.	3.3	37
18	Modeling the radiative effects of biomass burning aerosols on carbon fluxes in the Amazon region. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14785-14810.	1.9	24

#	ARTICLE	IF	CITATIONS
19	The relationship between aerosol particles chemical composition and optical properties to identify the biomass burning contribution to fine particles concentration: a case study for São Paulo city, Brazil. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 6.	1.3	19
20	Chemical Characterization of Aerosols on the East Coast of the United States Using Aircraft and Ground-Based Stations during the CLAMS Experiment. <i>Journals of the Atmospheric Sciences</i> , 2005, 62, 934-946.	0.6	18
21	Analysis of tropospheric ozone and carbon monoxide profiles over South America based on MOZAIC/IAGOS database and model simulations. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 67, 27884.	0.8	18
22	Downwelling solar irradiance in the biomass burning region of the southern Amazon: Dependence on aerosol intensive optical properties and role of water vapor. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	14
23	Downward solar global irradiance at the surface in São Paulo city—The climatological effects of aerosol and clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 391-404.	1.2	12
24	Bacterial ice nuclei impact cloud lifetime and radiative properties and reduce atmospheric heat loss in the BRAMS simulation model. <i>Environmental Research Letters</i> , 2014, 9, 084020.	2.2	10
25	Improved calibration procedures for the EM27/SUN spectrometers of the COllaborative Carbon Column Observing Network (COCCON). <i>Atmospheric Measurement Techniques</i> , 2022, 15, 2433-2463.	1.2	10
26	Analysis of atmospheric aerosols by PIXE: the importance of real time and complementary measurements. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 150, 312-321.	0.6	9
27	Impact of measured spectrum variation on solar photovoltaic efficiencies worldwide. <i>Renewable Energy</i> , 2022, 196, 995-1016.	4.3	9
28	Characterization of the radiative impact of aerosols on CO ₂ and energy fluxes in the Amazon deforestation arch using artificial neural networks. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3439-3458.	1.9	7
29	Spectral impact on PV in low-latitude sites: The case of southeastern Brazil. <i>Renewable Energy</i> , 2021, 164, 1306-1319.	4.3	7
30	Exploring the relationship between high-resolution aerosol optical depth values and ground-level particulate matter concentrations in the Metropolitan Area of São Paulo. <i>Atmospheric Environment</i> , 2021, 244, 117949.	1.9	7
31	Multifilter rotating shadowband radiometer calibration for spectral aerosol optical depth retrievals over São Paulo City, Brazil. <i>Applied Optics</i> , 2008, 47, 1171.	2.1	6
32	Fifty-six years of surface solar radiation and sunshine duration over São Paulo, Brazil: 1961–2016. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6593-6603.	1.9	4
33	Long term atmospheric aerosol characterization in the Amazon Basin. , 1998, , 247-272.		3
34	Estudo da variabilidade espacial e temporal da profundidade Óptica do aerossol obtida com o MODIS sobre a região amazônica. <i>Revista Brasileira De Meteorologia</i> , 2013, 28, 210-220.	0.2	3
35	The Chemistry of Atmospheric Aerosol Particles in the Amazon Basin. <i>ACS Symposium Series</i> , 1995, , 265-280.	0.5	2
36	Aerosol Optical Depth and Ångström Coefficient retrievals over the Amazon Forest during 2007 biomass burning season. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
37	Cloud climatology from visual observations at São Paulo, Brazil. International Journal of Climatology, 2020, 40, 207-219.	1.5	2
38	Changes in solar radiation partitioning reaching the surface due to biomass burning aerosol particles in the Amazon Basin. , 2009, , .		1
39	Aerosol optical depth retrievals in central Amazonia from a multi-filter rotating shadow-band radiometer calibrated on-site. Atmospheric Measurement Techniques, 2019, 12, 921-934.	1.2	1
40	Comparison of the Results of Spectrally Integrated Irradiance Generated by Radiative Transfer Models SBDART and TUV. , 2009, , .		0
41	Evaluation of CO ₂ flux modification as a function of aerosol optical depth at Bananal Island, Tocantins, Brazil. , 2013, , .		0