Paulo Artaxo

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/1318960/paulo-artaxo-publications-by-year.pdf
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

475 papers	31,651 citations	92 h-index	164 g-index
607 ext. papers	35,689 ext. citations	6.7 avg, IF	6.66 L-index

#	Paper	IF	Citations
475	Rapid growth of anthropogenic organic nanoparticles greatly alters cloud life cycle in the Amazon rainforest.. *Science Advances*, **2022**, 8, eabj0329	14.3	4
474	Tropical and Boreal Forest â Atmosphere Interactions: A Review. *Tellus, Series B: Chemical and Physical Meteorology*, **2022**, 74, 24-163	3.3	1
473	Occurrence and growth of sub-50 nm aerosol particles in the Amazonian boundary layer. *Atmospheric Chemistry and Physics*, **2022**, 22, 3469-3492	6.8	2
472	Optical properties and spectral dependence of aerosol light absorption over the Brazilian Pantanal. *Atmospheric Pollution Research*, **2022**, 101413	4.5	0
471	A Four Carbon Organonitrate as a Significant Product of Secondary Isoprene Chemistry. *Geophysical Research Letters*, **2022**, 49,	4.9	0
470	Identifying source regions of air masses sampled at the tropical high-altitude site of Chacaltaya using WRF-FLEXPART and cluster analysis. *Atmospheric Chemistry and Physics*, **2021**, 21, 16453-16477	6.8	1
469	Filtration efficiency of a large set of COVID-19 face masks commonly used in Brazil. *Aerosol Science and Technology*, **2021**, 55, 1028-1041	3.4	14
468	Empirical formulation for multiple groups of primary biological ice nucleating particles from field observations over Amazonia. *Journals of the Atmospheric Sciences*, **2021**,	2.1	2
467	Measurement and modelling of the dynamics of NH₃ surfaceâ atmosphere exchange over the Amazonian rainforest. *Biogeosciences*, **2021**, 18, 2809-2825	4.6	1
466	Aerosols from anthropogenic and biogenic sources and their interactions â modeling aerosol formation, optical properties, and impacts over the central Amazon basin. *Atmospheric Chemistry and Physics*, **2021**, 21, 6755-6779	6.8	4
465	Physical and chemical properties of urban aerosols in São Paulo, Brazil: links between composition and size distribution of submicron particles. *Atmospheric Chemistry and Physics*, **2021**, 21, 8761-8773	6.8	2
464	The SALTENA experiment: Comprehensive observations of aerosol sources, formation and processes in the South American Andes. *Bulletin of the American Meteorological Society*, **2021**, 1-46	6.1	1
463	Source identification and global implications of black carbon. *Geoscience Frontiers*, **2021**, 13, 101149	6	3
462	The friagem event in the central Amazon and its influence on micrometeorological variables and atmospheric chemistry. *Atmospheric Chemistry and Physics*, **2021**, 21, 339-356	6.8	1
461	Spatiotemporal assessment of particulate matter (PM10 and PM2.5) and ozone in a Caribbean urban coastal city. *Geoscience Frontiers*, **2021**, 13, 101168	6	2
460	Improvements to the representation of BVOC chemistryâ limate interactions in UKCA (v11.5) with the CRI-Strat´2 mechanism: incorporation and evaluation. *Geoscientific Model Development*, **2021**, 14, 5239-5268	6.3	1
459	Bioaerosols in the Amazon rain forest: temporal variations and vertical profiles of Eukarya, Bacteria, and Archaea. *Biogeosciences*, **2021**, 18, 4873-4887	4.6	3

458	How weather events modify aerosol particle size distributions in the Amazon boundary layer. *Atmospheric Chemistry and Physics*, **2021**, 21, 18065-18086	6.8	2
457	Aerosol measurement methods to quantify spore emissions from fungi and cryptogamic covers in the Amazon. *Atmospheric Measurement Techniques*, **2020**, 13, 153-164	4	7
456	Transformation and ageing of biomass burning carbonaceous aerosol over tropical South America from aircraft in situ measurements during SAMBBA. *Atmospheric Chemistry and Physics*, **2020**, 20, 5309-5326	6.8	16
455	Comparison of aircraft measurements during GoAmazon2014/5 and ACRIDICON-CHUVA. *Atmospheric Measurement Techniques*, **2020**, 13, 661-684	4	8
454	Influx of African biomass burning aerosol during the Amazonian dry season through layered transatlantic transport of black carbon-rich smoke. *Atmospheric Chemistry and Physics*, **2020**, 20, 4757-4785	6.8	16
453	Exploration of oxidative chemistry and secondary organic aerosol formation in the Amazon during the wet season: explicit modeling of the Manaus urban plume with GECKO-A. *Atmospheric Chemistry and Physics*, **2020**, 20, 5995-6014	6.8	4
452	Natural and Anthropogenically Influenced Isoprene Oxidation in Southeastern United States and Central Amazon. *Environmental Science & Technology*, **2020**, 54, 5980-5991	10.3	13
451	Amazonian biogenic volatile organic compounds under global change. *Global Change Biology*, **2020**, 26, 4722-4751	11.4	13
450	Mixing states of Amazon basin aerosol particles transported over long distances using transmission electron microscopy. *Atmospheric Chemistry and Physics*, **2020**, 20, 11923-11939	6.8	9
449	Impact of biomass burning aerosols on radiation, clouds, and precipitation over the Amazon: relative importance of aerosolâ□loud and aerosolâ□adiation interactions. *Atmospheric Chemistry and Physics*, **2020**, 20, 13283-13301	6.8	19
448	Concentrations and biosphereâ□tmosphere fluxes of inorganic trace gases and associated ionic aerosol counterparts over the Amazon rainforest. *Atmospheric Chemistry and Physics*, **2020**, 20, 15551-15584	6.8	4
447	Long-term deposition and condensation ice-nucleating particle measurements from four stations across the globe. *Atmospheric Chemistry and Physics*, **2020**, 20, 15983-16006	6.8	8
446	As trŠ emergñcias que nossa sociedade enfrenta: saŽde, biodiversidade e mudanŠas climŒticas. *Estudos Avancados*, **2020**, 34, 53-66	0.6	2
445	Particulate matter geochemistry of a highly industrialized region in the Caribbean: Basis for future toxicological studies. *Geoscience Frontiers*, **2020**, 101115	6	3
444	Large air quality and human health impacts due to Amazon forest and vegetation fires. *Environmental Research Communications*, **2020**, 2, 095001	3.1	11
443	Substantial Increases in Eastern Amazon and Cerrado Biomass Burning-Sourced Tropospheric Ozone. *Geophysical Research Letters*, **2020**, 47, e2019GL084143	4.9	9
442	Inflammation response, oxidative stress and DNA damage caused by urban air pollution exposure increase in the lack of DNA repair XPC protein. *Environment International*, **2020**, 145, 106150	12.9	18
441	Smoke pollution's impacts in Amazonia. *Science*, **2020**, 369, 634-635	33.3	24

440	Transformation and aging of biomass burning carbonaceous aerosol over tropical South America from aircraft in-situ measurements during SAMBBA **2019**,		5
439	Radical Formation by Fine Particulate Matter Associated with Highly Oxygenated Molecules. *Environmental Science & Technology*, **2019**, 53, 12506-12518	10.3	30
438	The vertical distribution of biomass burning pollution over tropical South America from aircraft in situ measurements during SAMBBA. *Atmospheric Chemistry and Physics*, **2019**, 19, 5771-5790	6.8	16
437	Studying the impact of biomass burning aerosol radiative and climate effects on the Amazon rainforest productivity with an Earth system model. *Atmospheric Chemistry and Physics*, **2019**, 19, 1301-1326	6.8	29
436	Urban pollution greatly enhances formation of natural aerosols over the Amazon rainforest. *Nature Communications*, **2019**, 10, 1046	17.4	72
435	Chemical Oxidative Potential and Cellular Oxidative Stress from Open Biomass Burning Aerosol. *Environmental Science and Technology Letters*, **2019**, 6, 126-132	11	24
434	Biomass burning aerosol over the Amazon: analysis of aircraft, surface and satellite observations using a global aerosol model. *Atmospheric Chemistry and Physics*, **2019**, 19, 9125-9152	6.8	37
433	Contributions of biomass-burning, urban, and biogenic emissions to the concentrations and light-absorbing properties of particulate matter in central Amazonia during the dry season. *Atmospheric Chemistry and Physics*, **2019**, 19, 7973-8001	6.8	19
432	Land cover and its transformation in the backward trajectory footprint region of the Amazon Tall Tower Observatory. *Atmospheric Chemistry and Physics*, **2019**, 19, 8425-8470	6.8	27
431	Characterization of Individual Environmental Particles by Beam Techniques **2019**, 107-144		
430	Distinguishing fuel and lubricating oil combustion products in diesel engine exhaust particles. *Aerosol Science and Technology*, **2019**, 53, 594-607	3.4	16
429	Non-deforestation drivers of fires are increasingly important sources of aerosol and carbon dioxide emissions across Amazonia. *Scientific Reports*, **2019**, 9, 16975	4.9	22
428	Chemical composition of ultrafine aerosol particles in central Amazonia during the wet season. *Atmospheric Chemistry and Physics*, **2019**, 19, 13053-13066	6.8	5
427	Long-term cloud condensation nuclei number concentration, particle number size distribution and chemical composition measurements at regionally representative observatories. *Atmospheric Chemistry and Physics*, **2018**, 18, 2853-2881	6.8	62
426	Secondary organic aerosol formation from ambient air in an oxidation flow reactor in central Amazonia. *Atmospheric Chemistry and Physics*, **2018**, 18, 467-493	6.8	49
425	Aerosol characteristics and particle production in the upper troposphere over the Amazon Basin. *Atmospheric Chemistry and Physics*, **2018**, 18, 921-961	6.8	69
424	Development of non-linear models predicting daily fine particle concentrations using aerosol optical depth retrievals and ground-based measurements at a municipality in the Brazilian Amazon region. *Atmospheric Environment*, **2018**, 184, 156-165	5.3	5
423	Isoprene photo-oxidation products quantify the effect of pollution on hydroxyl radicals over Amazonia. *Science Advances*, **2018**, 4, eaar2547	14.3	19

422	Substantial convection and precipitation enhancements by ultrafine aerosol particles. *Science*, **2018**, 359, 411-418	33.3	206
421	Impact on short-lived climate forcers increases projected warming due to deforestation. *Nature Communications*, **2018**, 9, 157	17.4	54
420	Application of a multiple scattering model to estimate optical depth, lidar ratio and ice crystal effective radius of cirrus clouds observed with lidar.. *EPJ Web of Conferences*, **2018**, 176, 05037	0.3	0
419	A detailed characterization of the Saharan dust collected during the Fennec campaign in 2011: in situ ground-based and laboratory measurements. *Atmospheric Chemistry and Physics*, **2018**, 18, 1023-1043	6.8	20
418	Biomass burning particles in the Brazilian Amazon region: Mutagenic effects of nitro and oxy-PAHs and assessment of health risks. *Environmental Pollution*, **2018**, 233, 960-970	9.3	49
417	Aircraft observations of the chemical composition and aging of aerosol in the Manaus urban plume during GoAmazon 2014/5. *Atmospheric Chemistry and Physics*, **2018**, 18, 10773-10797	6.8	20
416	Land cover and its transformation in the backward trajectory footprint region of the Amazon Tall Tower Observatory **2018**,		3
415	Long-term study on coarse mode aerosols in the Amazon rain forest with the frequent intrusion of Saharan dust plumes. *Atmospheric Chemistry and Physics*, **2018**, 18, 10055-10088	6.8	33
414	African volcanic emissions influencing atmospheric aerosols over the Amazon rain forest. *Atmospheric Chemistry and Physics*, **2018**, 18, 10391-10405	6.8	12
413	Disentangling vehicular emission impact on urban air pollution using ethanol as a tracer. *Scientific Reports*, **2018**, 8, 10679	4.9	17
412	Developing countries must lead on solar geoengineering research. *Nature*, **2018**, 556, 22-24	50.4	42
411	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia. *Atmospheric Chemistry and Physics*, **2018**, 18, 12185-12206	6.8	22
410	Observations of Manaus urban plume evolution and interaction with biogenic emissions in GoAmazon 2014/5. *Atmospheric Environment*, **2018**, 191, 513-524	5.3	11
409	Near-field emission profiling of tropical forest and Cerrado fires in Brazil during SAMBBA 2012. *Atmospheric Chemistry and Physics*, **2018**, 18, 5619-5638	6.8	14
408	Strong sesquiterpene emissions from Amazonian soils. *Nature Communications*, **2018**, 9, 2226	17.4	35
407	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. *Atmospheric Chemistry and Physics*, **2018**, 18, 10433-10457	6.8	2
406	Environmental Exposure Associated with Oxidative Stress Biomarkers in Children and Adolescents Residents in Brazilian Western Amazon. *Journal of Environmental Protection*, **2018**, 09, 347-367	0.6	3
405	Particulate matter characteristics, dynamics, and sources in an underground mine. *Aerosol Science and Technology*, **2018**, 52, 114-122	3.4	13

404	Aircraft-based observations of isoprene-epoxydiol-derived secondary organic aerosol (IEPOX-SOA) in the tropical upper troposphere over the Amazon region. *Atmospheric Chemistry and Physics*, **2018** , 18, 14979-15001	6.8	25
403	Rehearsal for Assessment of atmospheric optical Properties during biomass burning Events and Long-range transportation episodes at Metropolitan Area of Sõ Paulo-Brazil (RAPEL). *EPJ Web of Conferences*, **2018**, 176, 08011	0.3	3
402	Biomass burning aerosol over the Amazon: analysis of aircraft, surface and satellite observations using a global aerosol model **2018**,		2
401	Aircraft Observations of Aerosol in the Manaus Urban Plume and Surrounding Tropical Forest during GoAmazon 2014/15 **2018**,		1
400	Fungal spores as a source of sodium salt particles in the Amazon basin. *Nature Communications*, **2018**, 9, 4793	17.4	25
399	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia **2018**,		1
398	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons **2018**,		1
397	The vertical distribution of biomass burning pollution over tropical South America from aircraft in situ measurements during SAMBBA **2018**,		1
396	Multi-year statistical and modeling analysis of submicrometer aerosol number size distributions at a rain forest site in Amazonia. *Atmospheric Chemistry and Physics*, **2018**, 18, 10255-10274	6.8	19
395	Ground-based observation of clusters and nucleation-mode particles in the Amazon. *Atmospheric Chemistry and Physics*, **2018**, 18, 13245-13264	6.8	17
394	Long-term observations of cloud condensation nuclei over the Amazon rain forest â Part 2: Variability and characteristics of biomass burning, long-range transport, and pristine rain forest aerosols. *Atmospheric Chemistry and Physics*, **2018**, 18, 10289-10331	6.8	41
393	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. *Atmospheric Chemistry and Physics*, **2018**, 18, 10433-10457	6.8	29
392	Black and brown carbon over central Amazonia: long-term aerosol measurements at the ATTO site. *Atmospheric Chemistry and Physics*, **2018**, 18, 12817-12843	6.8	35
391	Overview: Precipitation characteristics and sensitivities to environmental conditions during GoAmazon2014/5 and ACRIDICON-CHUVA. *Atmospheric Chemistry and Physics*, **2018**, 18, 6461-6482	6.8	21
390	Aircraft-based observations of isoprene epoxydiol-derived secondary organic aerosol (IEPOX-SOA) in the tropical upper troposphere over the Amazon region **2018**,		2
389	Fire and deforestation dynamics in Amazonia (1973-2014). *Global Biogeochemical Cycles*, **2017**, 31, 24-38	5.9	51
388	Airborne observations reveal elevational gradient in tropical forest isoprene emissions. *Nature Communications*, **2017**, 8, 15541	17.4	38
387	Long-term measurements (2010â2014) of carbonaceous aerosol and carbon monoxide at the Zotino Tall Tower Observatory (ZOTTO) in central Siberia **2017**,		1

386	Near-field emission profiling of Rainforest and Cerrado fires in Brazil during SAMBBA 2012 **2017**,		2
385	Aerosol characteristics and particle production in the upper troposphere over the Amazon Basin **2017**,		5
384	Long-term observations of cloud condensation nuclei in the Amazon rain forest â Part 2: Variability and characteristic differences under near-pristine, biomass burning, and long-range transport conditions **2017**,		4
383	Illustration of microphysical processes in Amazonian deep convective clouds in the Gamma phase space: Introduction and potential applications **2017**,		2
382	Direct observation of molecular clusters and nucleation mode particles in the Amazon **2017**,		2
381	Evolução do Plano de Ação para Prevenção e Controle do Desmatamento na Amazônia Legal. *Revista Do Instituto De Estudos Brasileiros*, **2017**, 108	0	10
380	Sensitivities of Amazonian clouds to aerosols and updraft speed **2017**,		1
379	Long-term study on coarse mode aerosols in the Amazon rain forest with the frequent intrusion of Saharan dust plumes **2017**,		1
378	Biomass burning in the Amazon region causes DNA damage and cell death in human lung cells. *Scientific Reports*, **2017**, 7, 10937	4.9	42
377	Reduced ultrafine particle levels in São Paulo's atmosphere during shifts from gasoline to ethanol use. *Nature Communications*, **2017**, 8, 77	17.4	23
376	The Green Ocean Amazon Experiment (GoAmazon2014/5) Observes Pollution Affecting Gases, Aerosols, Clouds, and Rainfall over the Rain Forest. *Bulletin of the American Meteorological Society*, **2017**, 98, 981-997	6.1	94
375	Sensitivities of Amazonian clouds to aerosols and updraft speed. *Atmospheric Chemistry and Physics* , **2017**, 17, 10037-10050	6.8	28
374	Long-term measurements (2010â2014) of carbonaceous aerosol and carbon monoxide at the Zotino Tall Tower Observatory (ZOTTO) in central Siberia. *Atmospheric Chemistry and Physics*, **2017**, 17, 14365-14392	6.8	27
373	Optical and geometrical properties of cirrus clouds in Amazonia derived from 1 year of ground-based lidar measurements. *Atmospheric Chemistry and Physics*, **2017**, 17, 3619-3636	6.8	21
372	Influence of urban pollution on the production of organic particulate matter from isoprene epoxydiols in central Amazonia. *Atmospheric Chemistry and Physics*, **2017**, 17, 6611-6629	6.8	40
371	Anthropogenic influences on the physical state of submicron particulate matter over a tropical forest. *Atmospheric Chemistry and Physics*, **2017**, 17, 1759-1773	6.8	39
370	CCN activity and organic hygroscopicity of aerosols downwind of an urban region in central Amazonia: seasonal and diel variations and impact of anthropogenic emissions. *Atmospheric Chemistry and Physics*, **2017**, 17, 11779-11801	6.8	47
369	Illustration of microphysical processes in Amazonian deep convective clouds in the gamma phase space: introduction and potential applications. *Atmospheric Chemistry and Physics*, **2017**, 17, 14727-14746	6.8	8

368	Particulate-phase mercury emissions from biomass burning and impact on resulting deposition: a modelling assessment. *Atmospheric Chemistry and Physics*, **2017**, 17, 1881-1899	6.8	25
367	Soluble iron nutrients in Saharan dust over the central Amazon rainforest. *Atmospheric Chemistry and Physics*, **2017**, 17, 2673-2687	6.8	30
366	Multi-model study of mercury dispersion in the atmosphere: atmospheric processes and model evaluation. *Atmospheric Chemistry and Physics*, **2017**, 17, 5271-5295	6.8	52
365	Comparing parameterized versus measured microphysical properties of tropical convective cloud bases during the ACRIDICONâCHUVA campaign. *Atmospheric Chemistry and Physics*, **2017**, 17, 7365-7386	6.8	14
364	Tropospheric Ozone Assessment Report: Database and Metrics Data of Global Surface Ozone Observations. *Elementa*, **2017**, 5, 58	3.6	112
363	Black and brown carbon over central Amazonia: Long-term aerosol measurements at the ATTO site **2017**,		3
362	A detailed characterization of the Saharan dust collected during the Fennec Campaign in 2011: <i>in situ</i> ground-based and laboratory measurements **2017**,		1
361	Comparison of different Aethalometer correction schemes and a reference multi-wavelength absorption technique for ambient aerosol data. *Atmospheric Measurement Techniques*, **2017**, 10, 2837-2850	4	35
360	Elemental Mixing State of Aerosol Particles Collected in Central Amazonia during GoAmazon2014/15. *Atmosphere*, **2017**, 8, 173	2.7	23
359	CCN activity and organic hygroscopicity of aerosols downwind of an urban region in central Amazonia: Seasonal and diel variations and impact of anthropogenic emissions **2017**,		1
358	Influence of urban pollution on the production of organic particulate matter from isoprene epoxydiols in central Amazonia **2016**,		3
357	Ambient Gas-Particle Partitioning of Tracers for Biogenic Oxidation. *Environmental Science & Technology*, **2016**, 50, 9952-62	10.3	54
356	Ambient concentrations and insights on organic and elemental carbon dynamics in São Paulo, Brazil. *Atmospheric Environment*, **2016**, 144, 226-233	5.3	13
355	Interactions Between Biosphere, Atmosphere, and Human Land Use in the Amazon Basin: An Introduction. *Ecological Studies*, **2016**, 3-15	1.1	2
354	Amazonia in Perspective as a Changing Environment. *Ecological Studies*, **2016**, 465-469	1.1	1
353	Amazon boundary layer aerosol concentration sustained by vertical transport during rainfall. *Nature*, **2016**, 539, 416-419	50.4	83
352	Rupturing of Biological Spores As a Source of Secondary Particles in Amazonia. *Environmental Science & Technology*, **2016**, 50, 12179-12186	10.3	32
351	Analysis of particulate emissions from tropical biomass burning using a global aerosol model and long-term surface observations. *Atmospheric Chemistry and Physics*, **2016**, 16, 11083-11106	6.8	77

350	Atmospheric mercury concentrations observed at ground-based monitoring sites globally distributed in the framework of the GMOS network. *Atmospheric Chemistry and Physics*, **2016**, 16, 11915-11935	6.8	122
349	Deriving brown carbon from multiwavelength absorption measurements: method and application to AERONET and Aethalometer observations. *Atmospheric Chemistry and Physics*, **2016**, 16, 12733-12752	6.8	81
348	Evaluation of biomass burning aerosols in the HadGEM3 climate model with observations from the SAMBBA field campaign. *Atmospheric Chemistry and Physics*, **2016**, 16, 14657-14685	6.8	29
347	Introduction: Observations and Modeling of the Green Ocean Amazon (GoAmazon2014/5). *Atmospheric Chemistry and Physics*, **2016**, 16, 4785-4797	6.8	162
346	Impacts of the Manaus pollution plume on the microphysical properties of Amazonian warm-phase clouds in the wet season. *Atmospheric Chemistry and Physics*, **2016**, 16, 7029-7041	6.8	25
345	Biogenic cloud nuclei in the central Amazon during the transition from wet to dry season. *Atmospheric Chemistry and Physics*, **2016**, 16, 9727-9743	6.8	31
344	Modeling investigation of light-absorbing aerosols in the Amazon Basin during the wet season. *Atmospheric Chemistry and Physics*, **2016**, 16, 14775-14794	6.8	29
343	Seasonality of isoprenoid emissions from a primary rainforest in central Amazonia. *Atmospheric Chemistry and Physics*, **2016**, 16, 3903-3925	6.8	34
342	Atmospheric mixing ratios of methyl ethyl ketone (2-butanone) in tropical, boreal, temperate and marine environments. *Atmospheric Chemistry and Physics*, **2016**, 16, 10965-10984	6.8	24
341	Long-term observations of cloud condensation nuclei in the Amazon rain forest â Part 1: Aerosol size distribution, hygroscopicity, and new model parametrizations for CCN prediction. *Atmospheric Chemistry and Physics*, **2016**, 16, 15709-15740	6.8	72
340	On the vertical distribution of smoke in the Amazonian atmosphere during the dry season. *Atmospheric Chemistry and Physics*, **2016**, 16, 2155-2174	6.8	22
339	An overview of the first decade of Polly^{NET}: an emerging network of automated Raman-polarization lidars for continuous aerosol profiling. *Atmospheric Chemistry and Physics*, **2016**, 16, 5111-5137	6.8	155
338	ACRIDICONâCHUVA Campaign: Studying Tropical Deep Convective Clouds and Precipitation over Amazonia Using the New German Research Aircraft HALO. *Bulletin of the American Meteorological Society*, **2016**, 97, 1885-1908	6.1	95
337	Sub-micrometre particulate matter is primarily in liquid form over Amazon rainforest. *Nature Geoscience*, **2016**, 9, 34-37	18.3	77
336	Satellite retrieval of cloud condensation nuclei concentrations by using clouds as CCN chambers. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 5828-34	11.5	68
335	Anthropogenic influences on the physical state of submicron particulate matter over a tropical forest **2016**,		2
334	Atmospheric Mercury Concentrations observed at ground-based monitoring sites globally distributed in the framework of the GMOS network **2016**,		2
333	Multi-model study of mercury dispersion in the atmosphere: Atmospheric processes and model evaluation **2016**,		2

332	The status and challenge of global fire modelling. *Biogeosciences*, **2016**, 13, 3359-3375	4.6	193
331	High risk of respiratory diseases in children in the fire period in Western Amazon. *Revista De Saude Publica*, **2016**, 50,	2.4	4
330	Evaluation of biomass burning aerosols in the HadGEM3 climate model with observations from the SAMBBA field campaign **2016**,		4
329	Isoprene photochemistry over the Amazon rainforest. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 6125-30	11.5	63
328	SPARTAN: a global network to evaluate and enhance satellite-based estimates of ground-level particulate matter for global health applications. *Atmospheric Measurement Techniques*, **2015**, 8, 505-521	4	56
327	Biomass burning in the Amazon region: Aerosol source apportionment and associated health risk assessment. *Atmospheric Environment*, **2015**, 120, 277-285	5.3	64
326	Vehicular Emission Ratios of VOCs in a Megacity Impacted by Extensive Ethanol Use: Results of Ambient Measurements in Sõ Paulo, Brazil. *Environmental Science & Technology*, **2015**, 49, 11381-7	10.3	36
325	Air quality and human health improvements from reductions in deforestation-related fire in Brazil. *Nature Geoscience*, **2015**, 8, 768-771	18.3	122
324	The significance of land-atmosphere interactions in the Earth systemâLEAPS achievements and perspectives. *Anthropocene*, **2015**, 12, 69-84	3.9	22
323	Fires increase Amazon forest productivity through increases in diffuse radiation. *Geophysical Research Letters*, **2015**, 42, 4654-4662	4.9	65
322	Dimethyl sulfide in the Amazon rain forest. *Global Biogeochemical Cycles*, **2015**, 29, 19-32	5.9	49
321	Diel and seasonal changes of biogenic volatile organic compounds within and above an Amazonian rainforest. *Atmospheric Chemistry and Physics*, **2015**, 15, 3359-3378	6.8	61
320	Submicron particle mass concentrations and sources in the Amazonian wet season (AMAZE-08). *Atmospheric Chemistry and Physics*, **2015**, 15, 3687-3701	6.8	77
319	A novel methodology for large-scale daily assessment of the direct radiative forcing of smoke aerosols. *Atmospheric Chemistry and Physics*, **2015**, 15, 5471-5483	6.8	12
318	Seasonal variability of heterogeneous ice formation in stratiform clouds over the Amazon Basin. *Geophysical Research Letters*, **2015**, 42, 5587-5593	4.9	14
317	The Amazon Tall Tower Observatory (ATTO): overview of pilot measurements on ecosystem ecology, meteorology, trace gases, and aerosols. *Atmospheric Chemistry and Physics*, **2015**, 15, 10723-10776	6.8	155
316	Characterization of a real-time tracer for isoprene epoxydiols-derived secondary organic aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements. *Atmospheric Chemistry and Physics*, **2015**, 15, 11807-11833	6.8	159
315	Impact of gas-to-particle partitioning approaches on the simulated radiative effects of biogenic secondary organic aerosol. *Atmospheric Chemistry and Physics*, **2015**, 15, 12989-13001	6.8	28

314	Biomass burning related ozone damage on vegetation over the Amazon forest: a model sensitivity study. *Atmospheric Chemistry and Physics*, **2015**, 15, 2791-2804	6.8	43
313	Ozone production and transport over the Amazon Basin during the dry-to-wet and wet-to-dry transition seasons. *Atmospheric Chemistry and Physics*, **2015**, 15, 757-782	6.8	23
312	Characterization of active and total fungal communities in the atmosphere over the Amazon rainforest. *Biogeosciences*, **2015**, 12, 6337-6349	4.6	53
311	Green Leaf Volatile Emissions during High Temperature and Drought Stress in a Central Amazon Rainforest. *Plants*, **2015**, 4, 678-90	4.5	27
310	A new methodology to assess the performance and uncertainty of source apportionment models II: The results of two European intercomparison exercises. *Atmospheric Environment*, **2015**, 123, 240-250	5.3	54
309	Optical and chemical characterization of aerosols emitted from coal, heavy and light fuel oil, and small-scale wood combustion. *Environmental Science & Technology*, **2014**, 48, 827-36	10.3	12
308	Primary and secondary organics in the tropical Amazonian rainforest aerosols: chiral analysis of 2-methyltetraols. *Environmental Sciences: Processes and Impacts*, **2014**, 16, 1413-21	4.3	7
307	Droplet Size Distributions as a function of rainy system type and Cloud Condensation Nuclei concentrations. *Atmospheric Research*, **2014**, 143, 301-312	5.4	8
306	Genetic damage of organic matter in the Brazilian Amazon: a comparative study between intense and moderate biomass burning. *Environmental Research*, **2014**, 130, 51-8	7.9	34
305	Pyrogeography, historical ecology, and the human dimensions of fire regimes. *Journal of Biogeography*, **2014**, 41, 833-836	4.1	33
304	Efflorescence upon humidification? X-ray microspectroscopic in situ observation of changes in aerosol microstructure and phase state upon hydration. *Geophysical Research Letters*, **2014**, 41, 3681-3689	4.9	18
303	Optical, microphysical and compositional properties of the Eyjafjallajökull volcanic ash. *Atmospheric Chemistry and Physics*, **2014**, 14, 10649-10661	6.8	16
302	The AeroCom evaluation and intercomparison of organic aerosol in global models. *Atmospheric Chemistry and Physics*, **2014**, 14, 10845-10895	6.8	280
301	Airborne observations of IEPOX-derived isoprene SOA in the Amazon during SAMBBA. *Atmospheric Chemistry and Physics*, **2014**, 14, 11393-11407	6.8	39
300	Ground-based aerosol characterization during the South American Biomass Burning Analysis (SAMBBA) field experiment. *Atmospheric Chemistry and Physics*, **2014**, 14, 12069-12083	6.8	77
299	The effect of atmospheric aerosol particles and clouds on net ecosystem exchange in the Amazon. *Atmospheric Chemistry and Physics*, **2014**, 14, 6523-6543	6.8	57
298	Measured and modelled cloud condensation nuclei (CCN) concentration in São Paulo, Brazil: the importance of aerosol size-resolved chemical composition on CCN concentration prediction. *Atmospheric Chemistry and Physics*, **2014**, 14, 7559-7572	6.8	35
297	Acute effects of particulate matter and black carbon from seasonal fires on peak expiratory flow of schoolchildren in the Brazilian Amazon. *PLoS ONE*, **2014**, 9, e104177	3.7	43

296	Uma nova era geol□gica em nosso planeta: o Antropoceno?. *Revista USP*, **2014**, 13	0.3	13
295	A permanent Raman lidar station in the Amazon: description, characterization, and first results. *Atmospheric Measurement Techniques*, **2014**, 7, 1745-1762	4	17
294	SPARTAN: a global network to evaluate and enhance satellite-based estimates of ground-level particulate matter for global health applications **2014**,		2
293	Optimized energy dispersive X-ray fluorescence analysis of atmospheric aerosols collected at pristine and perturbed Amazon Basin sites. *X-Ray Spectrometry*, **2014**, 43, 228-237	0.9	11
292	Perspectivas de pesquisas na rela□□ entre clima e o funcionamento da floresta Amaz□nica. *Ci□ncia E Cultura*, **2014**, 66, 41-46	0.3	5
291	Elemental composition of the atmospheric aerosol in the central amazon basin.. *Quimica Nova*, **2014**, 37,	1.6	2
290	Atmospheric aerosols in Amazonia and land use change: from natural biogenic to biomass burning conditions. *Faraday Discussions*, **2013**, 165, 203-35	3.6	150
289	Chemically Resolved Particle Fluxes Over Tropical and Temperate Forests. *Aerosol Science and Technology*, **2013**, 47, 818-830	3.4	22
288	Aerosols in Amazonia: Natural biogenic particles and large scale biomass burning impacts **2013**,		1
287	Overview of the South American biomass burning analysis (SAMBBA) field experiment **2013**,		4
286	Spatial variability of the direct radiative forcing of biomass burning aerosols and the effects of land use change in Amazonia. *Atmospheric Chemistry and Physics*, **2013**, 13, 1261-1275	6.8	68
285	Physical□□hemical characterisation of the particulate matter inside two road tunnels in the S□ Paulo Metropolitan Area. *Atmospheric Chemistry and Physics*, **2013**, 13, 12199-12213	6.8	62
284	Long term measurements of aerosol optical properties at a primary forest site in Amazonia. *Atmospheric Chemistry and Physics*, **2013**, 13, 2391-2413	6.8	68
283	Long term measurements of the elemental composition and optical properties of aerosols in Amazonia. *E3S Web of Conferences*, **2013**, 1, 03005	0.5	
282	Aerosols from biomass burning and respiratory diseases in children, Manaus, Northern Brazil. *Revista De Saude Publica*, **2013**, 47, 239-47	2.4	23
281	Micronucleus frequency in children exposed to biomass burning in the Brazilian Legal Amazon region: a control case study. *BMC Oral Health*, **2012**, 12, 6	3.7	35
280	Organic constituents on the surfaces of aerosol particles from Southern Finland, Amazonia, and California studied by vibrational sum frequency generation. *Journal of Physical Chemistry A*, **2012**, 116, 8271-90	2.8	36
279	Biogenic potassium salt particles as seeds for secondary organic aerosol in the Amazon. *Science*, **2012**, 337, 1075-8	33.3	150

278	Fog- and cloud-induced aerosol modification observed by the Aerosol Robotic Network (AERONET). *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		70
277	Association between fine particulate matter and the peak expiratory flow of schoolchildren in the Brazilian subequatorial Amazon: a panel study. *Environmental Research*, **2012**, 117, 27-35	7.9	54
276	Risk assessment of PM(2.5) to child residents in Brazilian Amazon region with biofuel production. *Environmental Health*, **2012**, 11, 64	6	38
275	Methane airborne measurements and comparison to global models during BARCA. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		45
274	Aerosol profiling with lidar in the Amazon Basin during the wet and dry season. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		76
273	Break down boundaries in climate research. *Nature*, **2012**, 481, 239	50.4	10
272	Biogeography in the air: fungal diversity over land and oceans. *Biogeosciences*, **2012**, 9, 1125-1136	4.6	124
271	The Amazon basin in transition. *Nature*, **2012**, 481, 321-8	50.4	729
270	Ecosystem impacts of geoengineering: a review for developing a science plan. *Ambio*, **2012**, 41, 350-69	6.5	51
269	Within-plant isoprene oxidation confirmed by direct emissions of oxidation products methyl vinyl ketone and methacrolein. *Global Change Biology*, **2012**, 18, 973-984	11.4	87
268	Size distributions and temporal variations of biological aerosol particles in the Amazon rainforest characterized by microscopy and real-time UV-APS fluorescence techniques during AMAZE-08. *Atmospheric Chemistry and Physics*, **2012**, 12, 11997-12019	6.8	148
267	On the diurnal cycle of urban aerosols, black carbon and the occurrence of new particle formation events in springtime Sõ Paulo, Brazil. *Atmospheric Chemistry and Physics*, **2012**, 12, 11733-11751	6.8	41
266	Aerosol and precipitation chemistry measurements in a remote site in Central Amazonia: the role of biogenic contribution. *Atmospheric Chemistry and Physics*, **2012**, 12, 4987-5015	6.8	29
265	Carbon monoxide and related trace gases and aerosols over the Amazon Basin during the wet and dry seasons. *Atmospheric Chemistry and Physics*, **2012**, 12, 6041-6065	6.8	62
264	Impact of the Manaus urban plume on trace gas mixing ratios near the surface in the Amazon Basin: Implications for the NO-NO2-O3 photostationary state and peroxy radical levels. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		22
263	Stereochemical transfer to atmospheric aerosol particles accompanying the oxidation of biogenic volatile organic compounds. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	15
262	Further evidence for significant smoke transport from Africa to Amazonia. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	56
261	Genotoxicity and composition of particulate matter from biomass burning in the eastern Brazilian Amazon region. *Ecotoxicology and Environmental Safety*, **2011**, 74, 1427-33	7	38

260	Ecosystem-scale compensation points of formic and acetic acid in the central Amazon. *Biogeosciences*, **2011**, 8, 3709-3720	4.6	31
259	Mass-spectrometric identification of primary biological particle markers and application to pristine submicron aerosol measurements in Amazonia. *Atmospheric Chemistry and Physics*, **2011**, 11, 11415-11429	6.8	53
258	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) â Integrating aerosol research from nano to global scales. *Atmospheric Chemistry and Physics*, **2011**, 11, 13061-13143	6.8	231
257	Spectral dependence of aerosol light absorption over the Amazon Basin. *Atmospheric Chemistry and Physics*, **2011**, 11, 8899-8912	6.8	61
256	Contrasting organic aerosol particles from boreal and tropical forests during HUMPPA-COPEC-2010 and AMAZE-08 using coherent vibrational spectroscopy. *Atmospheric Chemistry and Physics*, **2011**, 11, 10317-10329	6.8	27
255	Sources of carbonaceous aerosol in the Amazon basin. *Atmospheric Chemistry and Physics*, **2011**, 11, 2747-2764	6.8	39
254	Remote sensing the vertical profile of cloud droplet effective radius, thermodynamic phase, and temperature. *Atmospheric Chemistry and Physics*, **2011**, 11, 9485-9501	6.8	45
253	Evaluation of the carbon content of aerosols from the burning of biomass in the Brazilian Amazon using thermal, optical and thermal-optical analysis methods. *Atmospheric Chemistry and Physics*, **2011**, 11, 4425-4444	6.8	21
252	Comparison of Health Effects From Exposure to Air Pollution Derived From Combustion of Fossil Fuels and Biomass Burning in Brazil. *Epidemiology*, **2011**, 22, S194-S195	3.1	
251	Quantification of Exposure by PM2.5 From the Biomass Burning in the Brazilian Amazon: Estimative of Potential Dose. *Epidemiology*, **2011**, 22, S211	3.1	
250	Within-canopy sesquiterpene ozonolysis in Amazonia. *Journal of Geophysical Research*, **2011**, 116,		61
249	The human dimension of fire regimes on Earth. *Journal of Biogeography*, **2011**, 38, 2223-2236	4.1	600
248	Genotoxic potential generated by biomass burning in the Brazilian Legal Amazon by Tradescantia micronucleus bioassay: a toxicity assessment study. *Environmental Health*, **2011**, 10, 41	6	9
247	On molecular chirality within naturally occurring secondary organic aerosol particles from the central Amazon Basin. *Physical Chemistry Chemical Physics*, **2011**, 13, 12114-22	3.6	15
246	Vertical profiles of CO2 above eastern Amazonia suggest a net carbon flux to the atmosphere and balanced biosphere between 2000 and 2009. *Tellus, Series B: Chemical and Physical Meteorology*, **2010**, 62, 581-594	3.3	55
245	Impact on human health of particulate matter emitted from burnings in the Brazilian Amazon region. *Revista De Saude Publica*, **2010**, 44, 121-30	2.4	69
244	A possible role of ground-based microorganisms on cloud formation in the atmosphere. *Biogeosciences*, **2010**, 7, 387-394	4.6	43
243	A simplified description of the evolution of organic aerosol composition in the atmosphere. *Geophysical Research Letters*, **2010**, 37,	4.9	352

242	Rainforest aerosols as biogenic nuclei of clouds and precipitation in the Amazon. *Science*, **2010**, 329, 1513-6	33.6	461
241	Sources and properties of Amazonian aerosol particles. *Reviews of Geophysics*, **2010**, 48,	23.1	237
240	Air pollution and hospital admissions for respiratory diseases in the subequatorial Amazon: a time series approach. *Cadernos De Saude Publica*, **2010**, 26, 747-61	3.2	43
239	Emission and dry deposition of accumulation mode particles in the Amazon Basin. *Atmospheric Chemistry and Physics*, **2010**, 10, 10237-10253	6.8	17
238	Corrigendum to "An overview of the Amazonian Aerosol Characterization Experiment 2008 (AMAZE-08)" published in Atmos. Chem. Phys., 10, 11415â11438, 2010. *Atmospheric Chemistry and Physics*, **2010**, 10, 11565-11565	6.8	4
237	A comparison of dry and wet season aerosol number fluxes over the Amazon rain forest. *Atmospheric Chemistry and Physics*, **2010**, 10, 3063-3079	6.8	17
236	Polar organic marker compounds in atmospheric aerosols during the LBA-SMOCC 2002 biomass burning experiment in Rondnia, Brazil: sources and source processes, time series, diel variations and size distributions. *Atmospheric Chemistry and Physics*, **2010**, 10, 9319-9331	6.8	76
235	An overview of the Amazonian Aerosol Characterization Experiment 2008 (AMAZE-08). *Atmospheric Chemistry and Physics*, **2010**, 10, 11415-11438	6.8	143
234	The Coupled Aerosol and Tracer Transport model to the Brazilian developments on the Regional Atmospheric Modeling System (CATT-BRAMS) âPart 2: Model sensitivity to the biomass burning inventories. *Atmospheric Chemistry and Physics*, **2010**, 10, 5785-5795	6.8	67
233	Transport of North African dust from the Bodl depression to the Amazon Basin: a case study. *Atmospheric Chemistry and Physics*, **2010**, 10, 7533-7544	6.8	102
232	Impact of Manaus City on the Amazon Green Ocean atmosphere: ozone production, precursor sensitivity and aerosol load. *Atmospheric Chemistry and Physics*, **2010**, 10, 9251-9282	6.8	83
231	Aerosol properties, in-canopy gradients, turbulent fluxes and VOC concentrations at a pristine forest site in Amazonia. *Atmospheric Environment*, **2010**, 44, 503-511	5.3	49
230	The impact of smoke from forest fires on the spectral dispersion of cloud droplet size distributions in the Amazonian region. *Environmental Research Letters*, **2009**, 4, 015002	6.2	38
229	The global impact of ozone on agricultural crop yields under current and future air quality legislation. *Atmospheric Environment*, **2009**, 43, 604-618	5.3	456
228	Relative roles of biogenic emissions and Saharan dust as ice nuclei in the Amazon basin. *Nature Geoscience*, **2009**, 2, 402-405	18.3	239
227	Atmospheric iron deposition: global distribution, variability, and human perturbations. *Annual Review of Marine Science*, **2009**, 1, 245-78	15.4	461
226	A case study of the direct radiative effect of biomass burning aerosols on precipitation in the Eastern Amazon. *Atmospheric Research*, **2009**, 94, 409-421	5.4	14
225	Impact of biomass burning aerosols on precipitation in the Amazon: A modeling case study. *Journal of Geophysical Research*, **2009**, 114,		46

224	Patterns of water and heat flux across a biome gradient from tropical forest to savanna in Brazil. *Journal of Geophysical Research*, **2009**, 114,		179
223	Atmosphere and hydrological controls of the evapotranspiration over a floodplain forest in the Bananal Island region, Amazonia. *Journal of Geophysical Research*, **2009**, 114,		52
222	Spectral absorption properties of aerosol particles from 350â2500nm. *Geophysical Research Letters*, **2009**, 36,	4.9	34
221	Atmospheric budget of primary biological aerosol particles from fungal spores. *Geophysical Research Letters*, **2009**, 36,	4.9	146
220	Dust and smoke transport from Africa to South America: Lidar profiling over Cape Verde and the Amazon rainforest. *Geophysical Research Letters*, **2009**, 36,	4.9	119
219	Mass spectral characterization of submicron biogenic organic particles in the Amazon Basin. *Geophysical Research Letters*, **2009**, 36,	4.9	153
218	Cloud condensation nucleation activity of biomass burning aerosol. *Journal of Geophysical Research*, **2009**, 114,		186
217	Fire in the Earth system. *Science*, **2009**, 324, 481-4	33.3	1799
216	Understanding the Climate of Amazonia: Progress from LBA. *Geophysical Monograph Series*, **2009**, 117-143	1.1	13
215	Characteristics of Amazonian Climate: Main Features. *Geophysical Monograph Series*, **2009**, 145-147	1.1	14
214	Modeling the Regional and Remote Climatic Impact of Deforestation. *Geophysical Monograph Series* , **2009**, 233-250	1.1	15
213	Rapid formation of isoprene photo-oxidation products observed in Amazonia. *Atmospheric Chemistry and Physics*, **2009**, 9, 7753-7767	6.8	127
212	The Coupled Aerosol and Tracer Transport model to the Brazilian developments on the Regional Atmospheric Modeling System (CATT-BRAMS) â Part 1: Model description and evaluation. *Atmospheric Chemistry and Physics*, **2009**, 9, 2843-2861	6.8	152
211	Cloud condensation nuclei in pristine tropical rainforest air of Amazonia: size-resolved measurements and modeling of atmospheric aerosol composition and CCN activity. *Atmospheric Chemistry and Physics*, **2009**, 9, 7551-7575	6.8	289
210	Aerosol number fluxes over the Amazon rain forest during the wet season. *Atmospheric Chemistry and Physics*, **2009**, 9, 9381-9400	6.8	30
209	Aerosol Particles in Amazonia: Their Composition, Role in the Radiation Balance, Cloud Formation, and Nutrient Cycles. *Geophysical Monograph Series*, **2009**, 207-232	1.1	22
208	Mudanças climáticas e ambientais e as doenças infecciosas: cenários e incertezas para o Brasil. *Epidemiologia E Servicos De Saude: Revista Do Sistema Unico De Saude Do Brasil*, **2009**, 18,	1.2	10
207	In Situ and Remote Sensing Techniques for Measuring Aerosols, Clouds and Precipitation **2009**, 143-203		1

206	Combustion iron distribution and deposition. *Global Biogeochemical Cycles*, **2008**, 22, n/a-n/a	5.9	225
205	MODIS Aerosol Optical Depth Retrievals with high spatial resolution over an Urban Area using the Critical Reflectance. *Journal of Geophysical Research*, **2008**, 113,		25
204	Characterization of the optical properties of atmospheric aerosols in Amazï¿½ia from long-term AERONET monitoring (1993â1995 and 1999â2006). *Journal of Geophysical Research*, **2008**, 113,		71
203	Global distribution of atmospheric phosphorus sources, concentrations and deposition rates, and anthropogenic impacts. *Global Biogeochemical Cycles*, **2008**, 22, n/a-n/a	5.9	504
202	Aerosol Inorganic Composition at a Tropical Site: Discrepancies Between Filter-Based Sampling and a Semi-Continuous Method. *Aerosol Science and Technology*, **2008**, 42, 255-269	3.4	10
201	Robust relations between CCN and the vertical evolution of cloud drop size distribution in deep convective clouds. *Atmospheric Chemistry and Physics*, **2008**, 8, 1661-1675	6.8	88
200	Water-soluble organic and nitrogen levels in cloud and rainwater in a background marine environment under influence of different air masses. *Journal of Atmospheric Chemistry*, **2008**, 61, 85-99	3.2	26
199	Overview of the inorganic and organic composition of size-segregated aerosol in Rondï¿½ia, Brazil, from the biomass-burning period to the onset of the wet season. *Journal of Geophysical Research*, **2007**, 112,		108
198	Airborne measurements indicate large methane emissions from the eastern Amazon basin. *Geophysical Research Letters*, **2007**, 34,	4.9	101
197	Cloud-nucleating properties of the Amazonian biomass burning aerosol: Cloud condensation nuclei measurements and modeling. *Journal of Geophysical Research*, **2007**, 112,		71
196	The tropical forest and fire emissions experiment: Emission, chemistry, and transport of biogenic volatile organic compounds in the lower atmosphere over Amazonia. *Journal of Geophysical Research*, **2007**, 112,		176
195	Plï¿½ntulas de soja 'Tracajï¿½' expostas ao ozï¿½nio sob condiï¿½es controladas. *Pesquisa Agropecuaria Brasileira*, **2007**, 42, 641-646	1.8	8
194	An airborne regional carbon balance for Central Amazonia. *Biogeosciences*, **2007**, 4, 759-768	4.6	36
193	The effects of biomass burning aerosols and clouds on the CO2 flux in Amazonia. *Tellus, Series B: Chemical and Physical Meteorology*, **2007**, 59, 338-349	3.3	101
192	Characterisation of Amazon Basin aerosols at the individual particle level by X-ray microanalytical techniques. *Atmospheric Environment*, **2007**, 41, 9217-9230	5.3	29
191	Water-Soluble Ions and Trace Metals in Airborne Particles Over Urban Areas of the State of Sï¿½ Paulo, Brazil: Influences of Local Sources and Long Range Transport. *Water, Air, and Soil Pollution*, **2007**, 186, 63-73	2.6	26
190	The Tropical Forest and Fire Emissions Experiment: overview and airborne fire emission factor measurements. *Atmospheric Chemistry and Physics*, **2007**, 7, 5175-5196	6.8	187
189	The Tropical Forest and Fire Emissions Experiment: method evaluation of volatile organic compound emissions measured by PTR-MS, FTIR, and GC from tropical biomass burning. *Atmospheric Chemistry and Physics*, **2007**, 7, 5883-5897	6.8	153

188	Characterisation of concentrates of heavy mineral sands by micro-Raman spectrometry and CC-SEM/EDX with HCA. *Applied Geochemistry*, **2007**, 22, 2078-2085	3.5	13
187	The impact of sugar cane-burning emissions on the respiratory system of children and the elderly. *Environmental Health Perspectives*, **2006**, 114, 725-9	8.4	197
186	Dry and wet deposition of inorganic nitrogen compounds to a tropical pasture site (Rondâ€ia, Brazil). *Atmospheric Chemistry and Physics*, **2006**, 6, 447-469	6.8	98
185	Size distribution and hygroscopic properties of aerosol particles from dry-season biomass burning in Amazonia. *Atmospheric Chemistry and Physics*, **2006**, 6, 471-491	6.8	289
184	The effect of physical and chemical aerosol properties on warm cloud droplet activation. *Atmospheric Chemistry and Physics*, **2006**, 6, 2593-2649	6.8	571
183	Diel and seasonal variations in the chemical composition of biomass burning aerosol. *Atmospheric Chemistry and Physics*, **2006**, 6, 3505-3515	6.8	50
182	Characterization of the organic composition of aerosols from Rondâ€ia, Brazil, during the LBA-SMOCC 2002 experiment and its representation through model compounds. *Atmospheric Chemistry and Physics*, **2006**, 6, 375-402	6.8	236
181	Optical and physical properties of aerosols in the boundary layer and free troposphere over the Amazon Basin during the biomass burning season. *Atmospheric Chemistry and Physics*, **2006**, 6, 2911-2925	6.8	73
180	Spectral light absorption by ambient aerosols influenced by biomass burning in the Amazon Basin. I: Comparison and field calibration of absorption measurement techniques. *Atmospheric Chemistry and Physics*, **2006**, 6, 3443-3462	6.8	234
179	Optical properties of humic-like substances (HULIS) in biomass-burning aerosols. *Atmospheric Chemistry and Physics*, **2006**, 6, 3563-3570	6.8	487
178	New analytical method for the determination of levoglucosan, polyhydroxy compounds, and 2-methylerythritol and its application to smoke and rainwater samples. *Environmental Science & Technology*, **2005**, 39, 2744-52	10.3	117
177	The NH4+-NO3â€Clâ€SO42â€H2O aerosol system and its gas phase precursors at a pasture site in the Amazon Basin: How relevant are mineral cations and soluble organic acids?. *Journal of Geophysical Research*, **2005**, 110,		75
176	Impacts of biomass burning emissions and land use change on Amazonian atmospheric phosphorus cycling and deposition. *Global Biogeochemical Cycles*, **2005**, 19, n/a-n/a	5.9	114
175	Importance of the organic aerosol fraction for modeling aerosol hygroscopic growth and activation: a case study in the Amazon Basin. *Atmospheric Chemistry and Physics*, **2005**, 5, 3111-3126	6.8	109
174	Low molecular weight organic acids in aerosol particles from Rondâ€ia, Brazil, during the biomass-burning, transition and wet periods. *Atmospheric Chemistry and Physics*, **2005**, 5, 781-797	6.8	166
173	Airborne measurements of trace gas and aerosol particle emissions from biomass burning in Amazonia. *Atmospheric Chemistry and Physics*, **2005**, 5, 2989-3002	6.8	79
172	Chemical Characterization of Aerosols on the East Coast of the United States Using Aircraft and Ground-Based Stations during the CLAMS Experiment. *Journals of the Atmospheric Sciences*, **2005**, 62, 934-946	2.1	16
171	Properties of aerosols from sugar-cane burning emissions in Southeastern Brazil. *Atmospheric Environment*, **2005**, 39, 4627-4637	5.3	97

170	Aerosol source apportionment around a large coal fired power plantâThermoelectric Complex Jorge Lacerda, Santa Catarina, Brazil. *Atmospheric Environment*, **2005**, 39, 5307-5324	5.3	22
169	Amazonia and the modern carbon cycle: lessons learned. *Oecologia*, **2005**, 143, 483-500	2.9	79
168	Monitoring the transport of biomass burning emissions in South America. *Environmental Fluid Mechanics*, **2005**, 5, 135-167	2.2	180
167	Química atmosférica na Amazônia: a floresta e as emissões de queimadas controlando a composição da atmosfera amazônica. *Acta Amazonica*, **2005**, 35, 185-196	0.8	45
166	Tropospheric aerosol observations in São Paulo, Brazil using a compact lidar system. *International Journal of Remote Sensing*, **2005**, 26, 2797-2816	3.1	11
165	DETAILED SIZE DISTRIBUTION OF THE PARTICULATE MASS AND OVER 20 ELEMENTS IN RONDÔNIA, BRAZIL, DURING SEPTEMBER-NOVEMBER 2002. *Journal of Aerosol Science*, **2004**, 35, S1067-S1068	4.3	
164	Air Quality in Selected Megacities. *Journal of the Air and Waste Management Association*, **2004**, 54, 1-73	2.4	39
163	Formation of secondary organic aerosols through photooxidation of isoprene. *Science*, **2004**, 303, 1173-6	33.3	1155
162	Globally significant changes in biological processes of the Amazon Basin: results of the Large-scale Biosphereâ Atmosphere Experiment. *Global Change Biology*, **2004**, 10, 519-529	11.4	72
161	Sources of optically active aerosol particles over the Amazon forest. *Atmospheric Environment*, **2004**, 38, 1039-1051	5.3	43
160	Impact of desert dust on the biogeochemistry of phosphorus in terrestrial ecosystems. *Global Biogeochemical Cycles*, **2004**, 18, n/a-n/a	5.9	295
159	Multiyear analysis of amazonian biomass burning smoke radiative forcing of climate. *Geophysical Research Letters*, **2004**, 31,	4.9	75
158	Emissions of Atmospheric Trace Compounds. *Advances in Global Change Research*, **2004**,	1.2	11
157	Smoking rain clouds over the Amazon. *Science*, **2004**, 303, 1337-42	33.3	1099
156	Physical properties of the sub-micrometer aerosol over the Amazon rain forest during the wet-to-dry season transition - comparison of modeled and measured CCN concentrations. *Atmospheric Chemistry and Physics*, **2004**, 4, 2119-2143	6.8	137
155	Deriving Global Quantitative Estimates for Spatial and Temporal Distributions of Biomass Burning Emissions. *Advances in Global Change Research*, **2004**, 71-113	1.2	24
154	Global Organic Emissions from Vegetation. *Advances in Global Change Research*, **2004**, 115-170	1.2	49
153	Synergetic measurements of aerosols over São Paulo, Brazil using LIDAR, sunphotometer and satellite data during the dry season. *Atmospheric Chemistry and Physics*, **2003**, 3, 1523-1539	6.8	58

152	Trace elements in South America aerosol during 20th century inferred from a Nevado Illimani ice core, Eastern Bolivian Andes (6350 m asl). *Atmospheric Chemistry and Physics*, **2003**, 3, 1337-1352	6.8	24
151	Physical properties and concentration of aerosol particles over the Amazon tropical forest during background and biomass burning conditions. *Atmospheric Chemistry and Physics*, **2003**, 3, 951-967	6.8	63
150	Heavy metals in South America aerosol during 20thcentury from Illimani ice-core, Eastern Bolivian Andes. *European Physical Journal Special Topics*, **2003**, 107, 333-336		
149	Study of tropical organic aerosol by thermally assisted alkylation-gas chromatography mass spectrometry. *Journal of Analytical and Applied Pyrolysis*, **2003**, 68-69, 351-369	6	22
148	High aerosol optical depth biomass burning events: A comparison of optical properties for different source regions. *Geophysical Research Letters*, **2003**, 30,	4.9	146
147	Modeled spectral optical properties for smoke aerosols in Amazonia. *Geophysical Research Letters*, **2003**, 30,	4.9	25
146	In-canopy gradients, composition, sources, and optical properties of aerosol over the Amazon forest. *Journal of Geophysical Research*, **2003**, 108,		43
145	Water-soluble organic nitrogen in Amazon Basin aerosols during the dry (biomass burning) and wet seasons. *Journal of Geophysical Research*, **2003**, 108,		135
144	Organic compounds present in the natural Amazonian aerosol: Characterization by gas chromatographyâ□mass spectrometry. *Journal of Geophysical Research*, **2003**, 108, n/a-n/a		149
143	Composition and diurnal variability of the natural Amazonian aerosol. *Journal of Geophysical Research*, **2003**, 108, n/a-n/a		110
142	Refractive index of aerosol particles over the Amazon tropical forest during LBA-EUSTACH 1999. *Journal of Aerosol Science*, **2003**, 34, 883-907	4.3	75
141	An Integrated View of the Causes and Impacts of Atmospheric Changes **2003**, 207-230		4
140	Two-year study of atmospheric aerosols in Alta Floresta, Brazil: Multielemental composition and source apportionment. *Nuclear Instruments & Methods in Physics Research B*, **2002**, 189, 243-248	1.2	31
139	Stable carbon and nitrogen isotopic composition of bulk aerosol particles in a C4 plant landscape of southeast Brazil. *Atmospheric Environment*, **2002**, 36, 2427-2432	5.3	80
138	Physiker bei der Deutschen B□se. *Physik in Unserer Zeit*, **2002**, 33, 41-41	0.1	
137	Cloud and rain processes in a biosphere-atmosphere interaction context in the Amazon Region. *Journal of Geophysical Research*, **2002**, 107, LBA 39-1		196
136	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. *Journal of Geophysical Research*, **2002**, 107, LBA 41-1		33
135	Water-soluble organic compounds in biomass burning aerosols over Amazonia 2. Apportionment of the chemical composition and importance of the polyacidic fraction. *Journal of Geophysical Research*, **2002**, 107, LBA 59-1		313

134	Biogeochemical cycling of carbon, water, energy, trace gases, and aerosols in Amazonia: The LBA-EUSTACH experiments. *Journal of Geophysical Research*, **2002**, 107, LBA 33-1		231
133	Sensitivity of CCN spectra on chemical and physical properties of aerosol: A case study from the Amazon Basin. *Journal of Geophysical Research*, **2002**, 107, LBA 37-1		145
132	Physical and chemical properties of aerosols in the wet and dry seasons in Rondâ□□nia, Amazonia. *Journal of Geophysical Research*, **2002**, 107, LBA 49-1		206
131	Water-soluble organic compounds in biomass burning aerosols over Amazonia 1. Characterization by NMR and GC-MS. *Journal of Geophysical Research*, **2002**, 107, LBA 14-1		368
130	Submicrometer aerosol particle size distribution and hygroscopic growth measured in the Amazon rain forest during the wet season. *Journal of Geophysical Research*, **2002**, 107, LBA 22-1		91
129	Concentrations and species composition of atmospheric volatile organic compounds (VOCs) as observed during the wet and dry season in Rondâ□□nia (Amazonia). *Journal of Geophysical Research*, **2002**, 107, LBA 20-1		83
128	Observed reductions of total solar irradiance by biomass-burning aerosols in the Brazilian Amazon and Zambian Savanna. *Geophysical Research Letters*, **2002**, 29, 4-1-4-4	4.9	56
127	Contrasting convective regimes over the Amazon: Implications for cloud electrification. *Journal of Geophysical Research*, **2002**, 107, LBA 50-1		326
126	The Amazon Basin and Land-Cover Change: A Future in the Balance?. *Global Change - the IGBP Series* , **2002**, 137-141		3
125	Characterization of novel di- and tricarboxylic acids in fine tropical aerosols. *Journal of Mass Spectrometry*, **2001**, 36, 403-16	2.2	7
124	Chemical composition of rainwater and anthropogenic influences in the Piracicaba River Basin, Southeast Brazil. *Atmospheric Environment*, **2001**, 35, 4937-4945	5.3	149
123	Wintertime and summertime Sâ□□ Paulo aerosol source apportionment study. *Atmospheric Environment*, **2001**, 35, 4889-4902	5.3	147
122	Transport of biomass burning smoke to the upper troposphere by deep convection in the equatorial region. *Geophysical Research Letters*, **2001**, 28, 951-954	4.9	194
121	Cloud condensation nuclei in the Amazon Basin: â□□marineâ□□conditions over a continent?. *Geophysical Research Letters*, **2001**, 28, 2807-2810	4.9	126
120	Saharan dust in Brazil and Suriname during the Large-Scale Biosphere-Atmosphere Experiment in Amazonia (LBA) - Cooperative LBA Regional Experiment (CLAIRE) in March 1998. *Journal of Geophysical Research*, **2001**, 106, 14919-14934		115
119	TWO-YEAR STUDY OF ATMOSPHERIC AEROSOLS IN ALTA FLORESTA, BRAZIL: MULTIELEMENTAL COMPOSITION, SOURCES AND SOURCE APPORTIONMENT. *Journal of Aerosol Science*, **2001**, 32, 469-470	4.3	1
118	The Atmospheric Component of Biogeochemical Cycles in the Amazon Basin **2001**,		6
117	Large scale mercury and trace element measurements in the Amazon basin. *Atmospheric Environment*, **2000**, 34, 4085-4096	5.3	79

116	Atmospheric volatile organic compounds (VOC) at a remote tropical forest site in central Amazonia. *Atmospheric Environment*, **2000**, 34, 4063-4072	5.3	144
115	Carbonaceous aerosol characterization in the Amazon basin, Brazil: novel dicarboxylic acids and related compounds. *Atmospheric Environment*, **2000**, 34, 5037-5051	5.3	72
114	Chemical composition of aerosol particles from direct emissions of vegetation fires in the Amazon Basin: water-soluble species and trace elements. *Atmospheric Environment*, **2000**, 34, 1641-1653	5.3	300
113	The chemistry and role of cloud condensation nuclei in the Amazon basin. *Journal of Aerosol Science* , **2000**, 31, 62-63	4.3	3
112	A convective kinematic trajectory technique for low-resolution atmospheric models. *Journal of Geophysical Research*, **2000**, 105, 24375-24386		42
111	Analysis of atmospheric aerosols by PIXE: the importance of real time and complementary measurements. *Nuclear Instruments & Methods in Physics Research B*, **1999**, 150, 312-321	1.2	7
110	Elemental analysis of agricultural soil samples by particle induced X-ray emission (PIXE) technique. *Nuclear Instruments & Methods in Physics Research B*, **1999**, 150, 478-483	1.2	9
109	Chronological studies of tree-rings from the Amazon Basin using thick target PIXE and proton backscattering analysis. *Nuclear Instruments & Methods in Physics Research B*, **1999**, 150, 240-247	1.2	7
108	Aerosol composition and source apportionment in Santiago de Chile. *Nuclear Instruments & Methods in Physics Research B*, **1999**, 150, 409-416	1.2	80
107	Trace elements in lake sediments measured by the PIXE technique. *Nuclear Instruments & Methods in Physics Research B*, **1999**, 150, 298-305	1.2	10
106	Correlation between smoke and tropospheric ozone concentration in Cuiab during Smoke, Clouds, and Radiation-Brazil (SCAR-B). *Journal of Geophysical Research*, **1999**, 104, 12113-12129		29
105	Acute effects of inhalable particles on the frog palate mucociliary epithelium. *Environmental Health Perspectives*, **1999**, 107, 829-33	8.4	14
104	Scanning proton microprobe applied to analysis of individual aerosol particles from Amazon Basin. *Nuclear Instruments & Methods in Physics Research B*, **1998**, 136-138, 318-323	1.2	4
103	PIXE, PIGE and ion chromatography of aerosol particles from northeast Amazon Basin. *Nuclear Instruments & Methods in Physics Research B*, **1998**, 136-138, 955-960	1.2	19
102	Sphericity and morphology of smoke particles from biomass burning in Brazil. *Journal of Geophysical Research*, **1998**, 103, 32051-32057		89
101	Retrieval of the real part of the refractive index of smoke particles from Sun/sky measurements during SCAR-B. *Journal of Geophysical Research*, **1998**, 103, 31893-31902		57
100	Long-term monitoring of atmospheric aerosols in the Amazon Basin: Source identification and apportionment. *Journal of Geophysical Research*, **1998**, 103, 31849-31864		78
99	Smoke, Clouds, and Radiation-Brazil (SCAR-B) experiment. *Journal of Geophysical Research*, **1998**, 103, 31783-31808		243

98	Large-scale aerosol source apportionment in Amazonia. *Journal of Geophysical Research*, **1998**, 103, 31837-31847		111
97	Effects of black carbon content, particle size, and mixing on light absorption by aerosols from biomass burning in Brazil. *Journal of Geophysical Research*, **1998**, 103, 32041-32050		232
96	Preface [to special section on Smoke, Clouds, and Radiation-Brazil]. *Journal of Geophysical Research*, **1998**, 103, 31781-31781		2
95	Monitoring of atmospheric aerosol particles on the Antarctic Peninsula. *Annals of Glaciology*, **1998**, 27, 560-564	2.5	10
94	Long term atmospheric aerosol characterization in the Amazon Basin **1998**, 247-272		2
93	Determinação dos hidrocarbonetos saturados e policíclicos aromáticos presentes no material particulado da atmosfera amazônica. *Quimica Nova*, **1998**, 21, 385	1.6	13
92	Characterization of the Gent Stacked Filter Unit PM10 Sampler. *Aerosol Science and Technology*, **1997**, 27, 726-735	3.4	209
91	The long-range transport of southern African aerosols to the tropical South Atlantic. *Journal of Geophysical Research*, **1996**, 101, 23777-23791		122
90	Airborne measurements of aerosols from burning biomass in Brazil related to the TRACE A experiment. *Journal of Geophysical Research*, **1996**, 101, 23983-23992		38
89	Studying the spatial variability of Cr in agricultural field using both particle induced X-ray emission (PIXE) and instrumental neutron activation analysis (INAA) technique. *Nuclear Instruments & Methods in Physics Research B*, **1996**, 109-110, 247-251	1.2	4
88	Atmospheric mercury and trace elements in the region of Alta Floresta in the Amazon Basin. *Water, Air, and Soil Pollution*, **1995**, 80, 273-283	2.6	48
87	Trace elements in tropical African savanna biomass burning aerosols. *Journal of Atmospheric Chemistry*, **1995**, 22, 19-39	3.2	158
86	Size distribution of biogenic aerosol particles from the amazon basin. *Atmospheric Environment*, **1995**, 29, 393-402	5.3	101
85	The Chemistry of Atmospheric Aerosol Particles in the Amazon Basin. *ACS Symposium Series*, **1995**, 265-280		2
84	Aerosol emissions by tropical forest and savanna biomass burning: Characteristic trace elements and fluxes. *Geophysical Research Letters*, **1995**, 22, 3039-3042	4.9	180
83	Atmospheric Mercury and Trace Elements in the Region of Alta Floresta in the Amazon Basin **1995**, 273-283		1
82	Fine mode aerosol composition at three long-term atmospheric monitoring sites in the Amazon Basin. *Journal of Geophysical Research*, **1994**, 99, 22857		118
81	Laser microprobe mass analysis of Amazon Basin aerosols. *Atmospheric Environment Part A General Topics*, **1993**, 27, 661-668		9

80	Elemental composition of aerosol particles from two atmospheric monitoring stations in the Amazon Basin. *Nuclear Instruments & Methods in Physics Research B*, **1993**, 75, 277-281	1.2	23
79	Nuclear microprobe analysis and source apportionment of individual atmospheric aerosol particles. *Nuclear Instruments & Methods in Physics Research B*, **1993**, 75, 521-525	1.2	21
78	Sulfur gases and aerosols in and above the equatorial African rain forest. *Journal of Geophysical Research*, **1992**, 97, 6207		34
77	A new technique to measure trace elements in individual aerosol particles through scanning proton microprobe. *Journal of Aerosol Science*, **1992**, 23, 373-376	4.3	7
76	Trace elements and individual particle analysis of atmospheric aerosols from the Antarctic peninsula. *Tellus, Series B: Chemical and Physical Meteorology*, **1992**, 44, 318-334	3.3	32
75	. *Tellus, Series B: Chemical and Physical Meteorology*, **1992**, 44, 318-334	3.3	46
74	Automated EPXMA of individual environmental particles. *Proceedings Annual Meeting Electron Microscopy Society of America*, **1992**, 50, 1482-1483		
73	MICRO-ANALYSIS TECHNIQUES FOR THE CHARACTERIZATION OF INDIVIDUAL ENVIRONMENTAL PARTICLES. *Analytical Sciences*, **1991**, 7, 1117-1122	1.7	4
72	Effects of Heavy Industrial Pollution on Respiratory Function in the Children of Cubatao, Brazil: A Preliminary Report. *Environmental Health Perspectives*, **1991**, 94, 51	8.4	10
71	Effects of heavy industrial pollution on respiratory function in the children of Cubatao, Brazil: a preliminary report. *Environmental Health Perspectives*, **1991**, 94, 51-4	8.4	12
70	Trace element concentrations and size distribution of biogenic aerosols from the amazon basin during the wet season. *Nuclear Instruments & Methods in Physics Research B*, **1990**, 49, 366-371	1.2	17
69	Trace elements and receptor modelling of aerosols in the antarctic peninsula. *Nuclear Instruments & Methods in Physics Research B*, **1990**, 49, 383-387	1.2	18
68	Aerosols in Santiago de Chile: A study using receptor modeling with X-ray fluorescence and single particle analysis. *Atmospheric Environment Part B Urban Atmosphere*, **1990**, 24, 227-241		28
67	Laser Microprobe Mass Analysis of Individual Antarctic Aerosol Particles. *International Journal of Environmental Analytical Chemistry*, **1990**, 38, 427-438	1.8	19
66	Aerosol chemistry during the wet season in central Amazonia: The influence of long-range transport. *Journal of Geophysical Research*, **1990**, 95, 16955		109
65	Aerosol characteristics and sources for the Amazon Basin during the wet season. *Journal of Geophysical Research*, **1990**, 95, 16971		146
64	Rainfall and surface kinematic conditions over central Amazonia during ABLE 2B. *Journal of Geophysical Research*, **1990**, 95, 17001		93
63	Composition and sources of aerosols from the Amazon Basin. *Journal of Geophysical Research*, **1988** , 93, 1605		156

62	Characterization of Individual Environmental Particles. *Studies in Environmental Science*, **1988**, 307-316		2
61	PIXE and receptor models applied to remote aerosol source apportionment in Brazil. *Nuclear Instruments & Methods in Physics Research B*, **1987**, 22, 259-263	1.2	40
60	PIXE analysis for air pollution source apportionment in urban areas of Brazil. *Nuclear Instruments & Methods in Physics Research B*, **1987**, 22, 315-318	1.2	13
59	Characteristics of fine and coarse particles of natural and urban aerosols of Brazil. *Atmospheric Environment*, **1986**, 20, 2259-2269		50
58	The São Paulo PIXE system and its use on a national monitoring air quality program. *Nuclear Instruments & Methods in Physics Research B*, **1984**, 3, 462-465	1.2	13
57	Preliminary data on atmospheric aerosol of the Amazon Basin. *Atmospheric Environment*, **1982**, 16, 2177-2181		27
56	Linking the chemical composition and optical properties of biomass burning aerosols in Amazonia. *Environmental Science Atmospheres*,		1
55	African volcanic emissions influencing atmospheric aerosol particles over the Amazon rain forest		4
54	Polar organic marker compounds in atmospheric aerosols during the LBA-SMOCC 2002 biomass burning experiment in Rondônia, Brazil: sources and source processes, time series, diel variations and size distributions		1
53	Evaluation of the carbon content of aerosols from the burning of biomass in the Brazilian Amazon using thermal, optical and thermal-optical analysis methods		3
52	An overview of the Amazonian Aerosol Characterization Experiment 2008 (AMAZE-08)		4
51	Water uptake of biomass burning aerosol at sub- and supersaturated conditions: closure studies and implications for the role of organics		3
50	Transport of Saharan dust from the Bodélé Depression to the Amazon Basin: a case study		10
49	Spectral dependence of aerosol light absorption over the Amazon Basin		1
48	Contrasting organic aerosol particles from boreal and tropical forests during HUMPPA-COPEC-2010 and AMAZE-08 using coherent vibrational spectroscopy		1
47	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) â Integrating aerosol research from nano to global scales		11
46	Mass-spectrometric identification of primary biological particle markers: indication for low abundance of primary biological material in the pristine submicron aerosol of Amazonia		4
45	The impact of deforestation in the Amazonian atmospheric radiative balance: a remote sensing assessment		2

44	Long term measurements of aerosol optical properties at a pristine forest site in Amazonia	1
43	Biological aerosol particle concentrations and size distributions measured in pristine tropical rainforest air during AMAZE-08	3
42	Carbon monoxide and related trace gases and aerosols over the Amazon Basin during the wet and dry seasons	1
41	Physical-chemical characterization of the particulate matter inside two road tunnels in the São Paulo Metropolitan Area	4
40	The effect of atmospheric aerosol particles and clouds on Net Ecosystem Exchange in Amazonia	2
39	Measured and modelled Cloud Condensation Nuclei (CCN) concentration in São Paulo, Brazil: the importance of aerosol size-resolved chemical composition on CCN concentration prediction	1
38	Optical, microphysical and compositional properties of the Eyjafjallajökull volcanic ash	3
37	Ozone production and transport over the Amazon Basin during the dry-to-wet and wet-to-dry transition seasons	3
36	Fine-mode organic mass concentrations and sources in the Amazonian wet season (AMAZE-08)	16
35	Biomass burning related ozone damage on vegetation over the Amazon forest	2
34	Diel and seasonal changes of Biogenic Volatile Organic Compounds within and above an Amazonian rainforest site	1
33	The AeroCom evaluation and intercomparison of organic aerosol in global models	11
32	Characterization of a real-time tracer for Isoprene Epoxydiols-derived Secondary Organic Aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements	10
31	The Amazon Tall Tower Observatory (ATTO) in the remote Amazon Basin: overview of first results from ecosystem ecology, meteorology, trace gas, and aerosol measurements	6
30	Isoprene chemistry in pristine and polluted Amazon environments: Eulerian and Lagrangian model frameworks and the strong bearing they have on our understanding of surface ozone and predictions of rainforest exposure to this priority pollutant	2
29	Introduction: Observations and Modeling of the Green Ocean Amazon (GoAmazon2014/5)	9
28	Physical properties and concentration of aerosol particles over the Amazon tropical forest during background and biomass burning conditions	2
27	Trace elements in South America aerosol during 20th century inferred from a Nevado Illimani ice core, Eastern Bolivian Andes (6350 m a.s.l.)	5

26	Nitrogen oxides measurements in an Amazon site and enhancements associated with a cold front	5
25	Robust relations between CCN and the vertical evolution of cloud drop size distribution in deep convective clouds	17
24	Airborne measurements of trace gas and aerosol particle emissions from biomass burning in Amazonia	4
23	Chemical transformations in organic aerosol from biomass burning	5
22	Spectral light absorption by ambient aerosols influenced by biomass burning in the Amazon Basin â I. Comparison and field calibration of absorption measurement techniques	13
21	Aerosol and precipitation chemistry in a remote site in Central Amazonia: the role of biogenic contribution	11
20	Remote sensing the vertical profile of cloud droplet effective radius, thermodynamic phase, and temperature	11
19	The Tropical Forest and fire emissions experiment: overview and airborne fire emission factor measurements	8
18	The Coupled Aerosol and Tracer Transport model to the Brazilian developments on the Regional Atmospheric Modeling System (CATT-BRAMS) â Part 1: Model description and evaluation	20
17	The Coupled Aerosol and Tracer Transport model to the Brazilian developments on the Regional Atmospheric Modeling System (CATT-BRAMS) â Part 2: Model sensitivity to the biomass burning inventories	20
16	The tropical forest and fire emissions experiment: method evaluation of volatile organic compound emissions measured by PTR-MS, FTIR, and GC from tropical biomass burning	4
15	Cloud condensation nuclei in pristine tropical rainforest air of Amazonia: size-resolved measurements and modeling of atmospheric aerosol composition and CCN activity	12
14	Characterization of active and total fungal communities in the atmosphere over the Amazon rainforest	5
13	An airborne regional carbon balance for Central Amazonia	1
12	A possible role of ground-based microorganisms on cloud formation in the atmosphere	1
11	Biogeography in the air: fungal diversity over land and oceans	6
10	Ecosystem-scale compensation points of formic and acetic acid in the central Amazon	1
9	Ground based aerosol characterization during the South American Biomass Burning Analysis (SAMBBA) field experiment	2

8	Airborne observations of IEPOX-derived isoprene SOA in the Amazon during SAMBBA		2
7	Polly^{NET}: a global network of automated Raman-polarization lidars for continuous aerosol profiling		2
6	On the vertical distribution of smoke in the Amazonian atmosphere during the dry season		2
5	Rapid formation of isoprene photo-oxidation products observed in Amazonia		1
4	Impact of Manaus City on the Amazon Green Ocean atmosphere: ozone production, precursor sensitivity and aerosol load		1
3	Sources of carbonaceous aerosol in the Amazon Basin		1
2	Impacts of Hydroperoxymethyl Thioformate on the Global Marine Sulfur Budget. *ACS Earth and Space Chemistry*,	3.2	3
1	Supplementary material to "Occurrence and growth of sub-50 nm aerosol particles in the Amazonian boundary layer"		2