Graciela B Raga

List of Publications by Year
in descending order

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121 papers	4,349 citations	236925 25 h-index	128289 60 g-index
143 all docs	143 docs citations	143 times ranked	4815 citing authors

#	Article	IF	Citations
1	Enhanced Predictability of Rapidly Intensifying Tropical Cyclones over the Western North Pacific Associated with Snow Depth Changes over the Tibetan Plateau. Journal of Climate, 2022, 35, 2093-2110.	3.2	14
2	Inter-annual variability of ice nucleating particles in Mexico city. Atmospheric Environment, 2022, 273, 118964.	4.1	0
3	Circulation patterns influencing the concentration of pollutants in central Mexico. Atmospheric Environment, 2022, 274, 118976.	4.1	5
4	High concentrations of ice crystals in upper-tropospheric tropical clouds: is there a link to biomass and fossil fuel combustion?. Atmospheric Chemistry and Physics, 2022, 22, 2269-2292.	4.9	2
5	Mexican agricultural soil dust as a source of ice nucleating particles. Atmospheric Chemistry and Physics, 2022, 22, 6435-6447.	4.9	0
6	Characteristics of mesoscale convection over northwestern Mexico, the Gulf of California, and Baja California Peninsula. International Journal of Climatology, 2021, 41, E1062.	3.5	9
7	Characterization of ice nucleating particles in rainwater, cloud water, and aerosol samples at two different tropical latitudes. Atmospheric Research, 2021, 250, 105356.	4.1	6
8	Changes in extended boreal summer tropical cyclogenesis associated with large-scale flow patterns over the western North Pacific in response to the global warming hiatus. Climate Dynamics, 2021, 56, 515-535.	3.8	8
9	Particle-bound Polycyclic Aromatic Hydrocarbons (pPAHs) in Merida, Mexico. Aerosol and Air Quality Research, 2021, 21, 200245.	2.1	6
10	African dust particles over the western Caribbean â€“ Part I: Impact on air quality over the YucatÃ¡n Peninsula. Atmospheric Chemistry and Physics, 2021, 21, 239-253.	4.9	15
11	The impact of biomass burning emissions on protected natural areas in central and southern Mexico. Environmental Science and Pollution Research, 2021, 28, 17275-17289.	5.3	5
12	Impact of tibetan plateau snow cover on tropical cyclogenesis via the Maddenâ€“Julian oscillation during the following boreal summer. Climate Dynamics, 2021, 56, 3025-3043.	3.8	7
13	Modulation of North Pacific and North Atlantic Tropical Cyclones by Tropical Transbasin Variability and ENSO during Mayâ€“October. Journal of Climate, 2021, 34, 2127-2144.	3.2	7
14	Measurement report: Ice nucleating abilities of biomass burning, African dust, and sea spray aerosol particles over the YucatÃ¡n Peninsula. Atmospheric Chemistry and Physics, 2021, 21, 4453-4470.	4.9	7
15	Meridional Migration of Eastern North Pacific Tropical Cyclogenesis: Joint Contribution of Interhemispheric Temperature Differential and ENSO. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034504.	3.3	2
16	ADABBOY: African Dust And Biomass Burning Over Yucatan. Bulletin of the American Meteorological Society, 2021, 102, E1543-E1556.	3.3	7
17	The Combined QBO and ENSO Influence on Tropical Cyclone Activity over the North Atlantic Ocean. Atmosphere, 2021, 12, 1588.	2.3	3
18	Characterization of aerosol particles during a high pollution episode over Mexico City. Scientific Reports, 2021, 11, 22533.	3.3	11

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19	Modulation of boreal extended summer tropical cyclogenesis over the northwest Pacific by the quasiâ€biweekly oscillation under different El NiÃ±oâ€southern oscillation phases. International Journal of Climatology, 2020, 40, 858-873.	3.5	7
20	Characterization of culturable airborne microorganisms in the Yucatan Peninsula. Atmospheric Environment, 2020, 223, 117183.	4.1	13
21	Ultrafine aerosol particles in the western Caribbean: A first case study in Merida. Atmospheric Pollution Research, 2020, 11, 1767-1775.	3.8	6
22	Call for comments: climate and clean air responses to covid-19. International Journal of Public Health, 2020, 65, 525-528.	2.3	7
23	A Weather-Pattern-Based Evaluation of the Performance of CMIP5 Models over Mexico. Climate, 2020, 8, 5.	2.8	5
24	Possible Influence of Tropical Indian Ocean Sea Surface Temperature on the Proportion of Rapidly Intensifying Western North Pacific Tropical Cyclones during the Extended Boreal Summer. Journal of Climate, 2020, 33, 9129-9143.	3.2	15
25	Future Thermal Assessment for the Phenological Development of Potato [Solanum tuberosum (L.)] in Cuba. Environmental Sciences Proceedings, 2020, 4, .	0.3	0
26	Ice-nucleating particles in a coastal tropical site. Atmospheric Chemistry and Physics, 2019, 19, 6147-6165.	4.9	25
27	A Multiscale Analysis of the Tropospheric and Stratospheric Mechanisms Leading to the March 2016 Extreme Surface Ozone Event in Mexico City. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4782-4799.	3.3	16
28	The impact of fluctuations and correlations in droplet growth by collisionâ€“coalescence revisited â€“ Part 2: Observational evidence of gel formation in warm clouds. Atmospheric Chemistry and Physics, 2019, 19, 14917-14932.	4.9	1
29	Observational Evidence of the Transition from Shallow to Deep Convection in the Western Caribbean Trade Winds. Atmosphere, 2019, 10, 700.	2.3	2
30	Synoptic and local circulations associated with events of high particulate pollution in Valparaiso, Chile. Atmospheric Environment, 2019, 196, 164-178.	4.1	10
31	Recent decrease in genesis productivity of tropical cloud clusters over the Western North Pacific. Climate Dynamics, 2019, 52, 5819-5831.	3.8	13
32	Smoke emissions from agricultural fires in Mexico and Central America. Journal of Applied Remote Sensing, 2019, 13, 1.	1.3	11
33	Potential Large-Scale Forcing Mechanisms Driving Enhanced North Atlantic Tropical Cyclone Activity since the Mid-1990s. Journal of Climate, 2018, 31, 1377-1397.	3.2	12
34	Regional climate of the Subtropical Central Andes using high-resolution CMIP5 models. PartÂII: future projections for the twenty-first century. Climate Dynamics, 2018, 51, 2913-2925.	3.8	22
35	Spatio-temporal distribution of burned areas by ecoregions in Mexico and Central America. International Journal of Remote Sensing, 2018, 39, 949-970.	2.9	15
36	Weather regimes associated with summer rainfall variability over southern Mexico. International Journal of Climatology, 2018, 38, 169-186.	3.5	14

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37	Impact of the boreal summer quasiâ€biweekly oscillation on Eastern North Pacific tropical cyclone activity. International Journal of Climatology, 2018, 38, 1353-1365.	3.5	8
38	Impact of the Extended Boreal Summer Intraseasonal Oscillation on Western North Pacific Tropical Cloud Cluster Genesis Productivity. Journal of Climate, 2018, 31, 9175-9191.	3.2	12
39	On particle-bound polycyclic aromatic hydrocarbons (PPAH) and links to gaseous emissions in Mexico city. Atmospheric Environment, 2018, 194, 31-40.	4.1	10
40	Changes in Characteristics of Rapidly Intensifying Western North Pacific Tropical Cyclones Related to Climate Regime Shifts. Journal of Climate, 2018, 31, 8163-8179.	3.2	65
41	Inter-decadal change of the lagged inter-annual relationship between local sea surface temperature and tropical cyclone activity over the western North Pacific. Theoretical and Applied Climatology, 2018, 134, 707-720.	2.8	6
42	Regional climate of the subtropical central Andes using high-resolution CMIP5 modelsâ€"partÂI: past performance (1980â€"2005). Climate Dynamics, 2017, 49, 3937-3957.	3.8	28
43	The Unusual Early Morning Tornado in Ciudad AcuÃ±a, Coahuila, Mexico, on 25 May 2015. Monthly Weather Review, 2017, 145, 2049-2069.	1.4	7
44	Properties of particulate pollution in the port city of Valparaiso, Chile. Atmospheric Environment, 2017, 171, 301-316.	4.1	14
45	Spatio-temporal mapping of glacier fluctuations in the subtropical Central Andes: Case studies of Alto Del Plomo and Volcan Maipo. Remote Sensing Applications: Society and Environment, 2017, 8, 140-147.	1.5	1
46	Global association of aerosol with flash density of intense lightning. Environmental Research Letters, 2017, 12, 114037.	5.2	22
47	The impact of fluctuations and correlations in droplet growth by collisionâ€"coalescence revisited â€" Part 1: Numerical calculation of post-gel droplet size distribution. Atmospheric Chemistry and Physics, 2017, 17, 6895-6905.	4.9	6
48	HAWC response to atmospheric electricity activity. , 2017, , .		3
49	Aerosol properties and meteorological conditions in the city of Buenos Aires, Argentina, during the resuspension of volcanic ash from the Puyehue-CordÃ³n Caulle eruption. Natural Hazards and Earth System Sciences, 2016, 16, 2159-2175.	3.6	7
50	On the Transport of Urban Pollution in an Andean Mountain Valley. Aerosol and Air Quality Research, 2016, 16, 593-605.	2.1	17
51	Variability of winter and summer surface ozone in Mexico City on the intraseasonal timescale. Atmospheric Chemistry and Physics, 2016, 16, 15359-15370.	4.9	18
52	History of Aerosol-Cloud Interactions Derived from Observations in Mountaintop Clouds in Puerto Rico. Aerosol and Air Quality Research, 2016, 16, 674-688.	2.1	15
53	Pollution and its Impacts on the South American Cryosphere. Earth's Future, 2015, 3, 345-369.	6.3	42
54	Reply to â€œComment on â€˜Deaths by Lightning in Mexico (1979â€"2011): Threat or Vulnerability?â€™â€• Weather, Climate, and Society, 2015, 7, 275-278.	1.1	1

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55	Properties of small cirrus ice crystals from commercial aircraft measurements and implications for flight operations. Tellus, Series B: Chemical and Physical Meteorology, 2015, 67, 27876.	1.6	12
56	Seasonal and diurnal trends in black carbon properties and co-pollutants in Mexico City. Atmospheric Chemistry and Physics, 2015, 15, 9693-9709.	4.9	45
57	On the distinct interannual variability of tropical cyclone activity over the easter North Pacific. Atmosfera, 2015, 28, 161-178.	0.8	17
58	Impact of the Maddenâ€“Julian Oscillation on Western North Pacific Tropical Cyclogenesis Associated with Large-Scale Patterns. Journal of Applied Meteorology and Climatology, 2015, 54, 1413-1429.	1.5	55
59	Changes in Intense Precipitation Events in Mexico City. Journal of Hydrometeorology, 2015, 16, 1804-1820.	1.9	27
60	Rapid deepening of tropical cyclones in the northeastern Tropical Pacific: The relationship with oceanic eddies. Atmosfera, 2015, 28, 27-42.	0.8	4
61	The influence of large-scale circulations on the extremely inactive tropical cyclone activity in 2010 over the western North Pacific. Atmosfera, 2015, 27, 353-365.	0.8	0
62	The influence of large-scale circulations on the extremely inactive tropical cyclone activity in 2010 over the western North Pacific. Atmosfera, 2014, 27, 353-365.	0.8	8
63	Deaths by Lightning in Mexico (1979â€“2011): Threat or Vulnerability?. Weather, Climate, and Society, 2014, 6, 434-444.	1.1	32
64	Regional winter climate of the southern central Andes: Assessing the performance of ERAâ€Interim for climate studies. Journal of Geophysical Research D: Atmospheres, 2014, 119, 8568-8582.	3.3	26
65	The environmental impact of the Puyehueâ€“Cordon Caulle 2011 volcanic eruption on Buenos Aires. Natural Hazards and Earth System Sciences, 2013, 13, 2319-2330.	3.6	18
66	Aerosol particles in the Mexican East Pacific. Part II: Numerical simulations of the impact of enhanced CCN on precipitation development. Atmosfera, 2013, 26, 221-241.	0.8	1
67	Landfalling tropical cyclones on the Pacific coast of Mexico: 1850-2010. Atmosfera, 2013, 26, 209-220.	0.8	22
68	The properties of convective storms in central Mexico: A radar and lightning approach. Atmosfera, 2013, 26, 461-472.	0.8	5
69	The validity of the kinetic collection equation revisited â€“ Part 3: Solâ€“gel transition under turbulent conditions. Atmospheric Chemistry and Physics, 2013, 13, 521-529.	4.9	13
70	Study of Some Aerosol Features in Buenos Aires. American Journal of Environmental Engineering, 2013, 3, 71-76.	0.5	1
71	Observations and Forecasts from the Landfall of Tropical Cyclones John, Lane, and Paul (2006) over Northwestern Mexico. Weather and Forecasting, 2012, 27, 1373-1393.	1.4	4
72	High lightning activity in maritime clouds near Mexico. Atmospheric Chemistry and Physics, 2012, 12, 8055-8072.	4.9	14

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73	Science-Policy Dialogues for Water Security: Addressing Vulnerability and Adaptation to Global Change in the Arid Americas. Environment, 2012, 54, 30-42.	1.4	22
74	Climatology of precipitation and lightning over the Pacific coast of southern Mexico retrieved from Tropical Rainfall Measuring Mission satellite products and World Wide Lightning Location Network data. International Journal of Remote Sensing, 2012, 33, 2831-2850.	2.9	12
75	The validity of the kinetic collection equation revisited â€“ Part 2: Simulations for the hydrodynamic kernel. Atmospheric Chemistry and Physics, 2010, 10, 7189-7195.	4.9	7
76	Cloud-to-ground lightning over Mexico and adjacent oceanic regions: a preliminary climatology using the WWLLN dataset. Annales Geophysicae, 2010, 28, 2047-2057.	1.6	14
77	Assessment of global numerical models in the East Pacific as evidenced from EPIC2001 project. Dynamics of Atmospheres and Oceans, 2009, 46, 2-18.	1.8	1
78	Intensification of tropical cyclones in the GFS model. Atmospheric Chemistry and Physics, 2009, 9, 1407-1417.	4.9	25
79	Monte Carlo simulations of two-component drop growth by stochastic coalescence. Atmospheric Chemistry and Physics, 2009, 9, 1241-1251.	4.9	6
80	World-wide lightning location using VLF propagation in the Earth-ionosphere waveguide. IEEE Antennas and Propagation Magazine, 2008, 50, 40-60.	1.4	65
81	Flood or Drought: How Do Aerosols Affect Precipitation?. Science, 2008, 321, 1309-1313.	12.6	1,682
82	Clouds and aerosols in Puerto Rico â€“ a new evaluation. Atmospheric Chemistry and Physics, 2008, 8, 1293-1309.	4.9	72
83	The validity of the kinetic collection equation revisited. Atmospheric Chemistry and Physics, 2008, 8, 969-982.	4.9	17
84	Midsummer Gap Winds and Low-Level Circulation over the Eastern Tropical Pacific. Journal of Climate, 2007, 20, 3768-3784.	3.2	57
85	On the diurnal variability of particle properties related to light absorbing carbon in Mexico City. Atmospheric Chemistry and Physics, 2007, 7, 2517-2526.	4.9	68
86	On the parameterization of turbulent fluxes over the tropical Eastern Pacific. Atmospheric Chemistry and Physics, 2007, 7, 635-643.	4.9	6
87	Relations between PM10 composition and cell toxicity: A multivariate and graphical approach. Chemosphere, 2007, 67, 1218-1228.	8.2	77
88	Spectrothermography of carbonaceous particles. Journal of Atmospheric Chemistry, 2007, 57, 153-169.	3.2	10
89	A numerical study of cell merger over Cuba â€“ Part II: sensitivity to environmental conditions. Annales Geophysicae, 2006, 24, 2793-2808.	1.6	4
90	Evolution of anthropogenic aerosols in the coastal town of Salina Cruz, Mexico: Part I particle dynamics and landâ€“sea interactions. Science of the Total Environment, 2006, 367, 288-301.	8.0	23

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91	Evolution of anthropogenic aerosols in the coastal town of Salina Cruz, Mexico: Part II particulate phase chemistry. Science of the Total Environment, 2006, 372, 287-298.	8.0	9
92	A numerical study of cell merger over Cuba â€“ Part I: implementation of the ARPS/MM5 models. Annales Geophysicae, 2006, 24, 2781-2792.	1.6	5
93	Aerosol particles in the Mexican East Pacific Part I: processing and vertical redistribution by clouds. Atmospheric Chemistry and Physics, 2005, 5, 3081-3091.	4.9	11
94	New Directions: Are we prepared for a wet MIRAGE?. Atmospheric Environment, 2005, 39, 7447-7448.	4.1	0
95	The shapes of very small cirrus particles derived from in situ measurements. Geophysical Research Letters, 2005, 32, .	4.0	29
96	Particle habit in tropical ice clouds during CRYSTAL-FACE: Comparison of two remote sensing techniques with in situ observations. Journal of Geophysical Research, 2005, 110, .	3.3	10
97	Evidence for the formation of CCN by photochemical processes in Mexico City. Atmospheric Environment, 2004, 38, 357-367.	4.1	33
98	On the Composition of Airborne Particles Influenced by Emissions of the Volcano PopocatÃ©petl in Mexico. Natural Hazards, 2004, 31, 21-37.	3.4	19
99	Warming of the Arctic lower stratosphere by light absorbing particles. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	110
100	The influence of organic compounds on the development of precipitation acidity in maritime clouds. Atmospheric Chemistry and Physics, 2004, 4, 1097-1111.	4.9	8
101	The Epic 2001 Stratocumulus Study. Bulletin of the American Meteorological Society, 2004, 85, 967-978.	3.3	310
102	Convective Forcing in the Intertropical Convergence Zone of the Eastern Pacific. Journals of the Atmospheric Sciences, 2003, 60, 2064-2082.	1.7	93
103	Diagnosing black carbon trends in large urban areas using carbon monoxide measurements. Journal of Geophysical Research, 2002, 107, ICC 4-1-ICC 4-9.	3.3	70
104	Atmospheric expansion wave simulations of Popocatepetl explosions. Journal of Geophysical Research, 2002, 107, ACL 9-1.	3.3	4
105	Estimating the impact of natural and anthropogenic emissions on cloud chemistry. Atmospheric Research, 2002, 62, 33-55.	4.1	9
106	The impact of megacity pollution on local climate and implications for the regional environment: Mexico City. Atmospheric Environment, 2001, 35, 1805-1811.	4.1	47
107	Mexico City air quality: a qualitative review of gas and aerosol measurements (1960â€“2000). Atmospheric Environment, 2001, 35, 4041-4058.	4.1	86
108	ON THE MODELING OF DEEP CONVECTIVE CLOUDS OVER MEXICO CITY. , 2001, , .		0

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109	On the formation of an elevated ozone peak in Mexico City. Atmospheric Environment, 2000, 34, 4097-4102.	4.1	31
110	On the evolution of aerosol properties at a mountain site above Mexico City. Journal of Geophysical Research, 2000, 105, 22243-22253.	3.3	56
111	Some aspects of boundary layer evolution in Mexico City. Atmospheric Environment, 1999, 33, 5013-5021.	4.1	41
112	Evidence for volcanic influence on Mexico City aerosols. Geophysical Research Letters, 1999, 26, 1149-1152.	4.0	49
113	On the nature of air pollution dynamics in Mexico Cityâ€"I. Nonlinear analysis. Atmospheric Environment, 1996, 30, 3987-3993.	4.1	59
114	Vertical distribution of aerosol particles and CCN in clear air around the British Isles. Atmospheric Environment, 1995, 29, 673-684.	4.1	19
115	Mesoscale Structure of Precipitation Bands in a North Atlantic Winter Storm. Monthly Weather Review, 1994, 122, 2039-2051.	1.4	2
116	Microphysical and radiative properties of small cumulus clouds over the sea. Quarterly Journal of the Royal Meteorological Society, 1993, 119, 1399-1417.	2.7	20
117	On the link between cloud-top radiative properties and sub-cloud aerosol concentrations. Quarterly Journal of the Royal Meteorological Society, 1993, 119, 1419-1425.	2.7	43
118	Calibration of a Lyman-Î± Sensor to Measure In-Cloud Temperature and Clear-Air Dewpoint Temperature. Journal of Atmospheric and Oceanic Technology, 1993, 10, 15.	1.3	0
119	Microphysical Characteristics through the Melting Region of a Midlatitude Winter Storm. Journals of the Atmospheric Sciences, 1991, 48, 843-855.	1.7	13
120	Characteristics of Cumulus Band Clouds off the Coast of Hawaii. Journals of the Atmospheric Sciences, 1990, 47, 338-356.	1.7	86
121	The UNAM-Droplet Freezing Assay: An Evaluation of the Ice Nucleating Capacity of the Sea-Surface Microlayer and Surface Mixed Layer in Tropical and Subpolar Waters. , 0, , .		4