

# Gerry Bagtasa

## List of Publications by Year in descending order

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33  
papers

368  
citations

759233

12  
h-index

888059

17  
g-index

41  
all docs

41  
docs citations

41  
times ranked

395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of Tropical Cyclones to Rainfall in the Philippines. <i>Journal of Climate</i> , 2017, 30, 3621-3633.	3.2	64
2	Seasonal variation and chemical characterization of PM <sub>2.5</sub> in northwestern Philippines. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4965-4980.	4.9	28
3	TCCON Philippines: First Measurement Results, Satellite Data and Model Comparisons in Southeast Asia. <i>Remote Sensing</i> , 2017, 9, 1228.	4.0	22
4	Correlation study between suspended particulate matter and portable automated lidar data. <i>Journal of Aerosol Science</i> , 2005, 36, 439-454.	3.8	18
5	Long-range transport of aerosols from East and Southeast Asia to northern Philippines and its direct radiative forcing effect. <i>Atmospheric Environment</i> , 2019, 218, 117007.	4.1	18
6	Enhancement of Summer Monsoon Rainfall by Tropical Cyclones in Northwestern Philippines. <i>Journal of the Meteorological Society of Japan</i> , 2019, 97, 967-976.	1.8	18
7	SMS-based Smarter Agriculture decision support system for yellow corn farmers in Isabela. , 2015, , .		17
8	Influence of Madden-Julian Oscillation on the Intraseasonal Variability of Summer and Winter Monsoon Rainfall in the Philippines. <i>Journal of Climate</i> , 2020, 33, 9581-9594.	3.2	17
9	Inter-comparison of chemical characteristics and source apportionment of PM <sub>2.5</sub> at two harbors in the Philippines and Taiwan. <i>Science of the Total Environment</i> , 2021, 793, 148574.	8.0	15
10	118-year climate and extreme weather events of Metropolitan Manila in the Philippines. <i>International Journal of Climatology</i> , 2020, 40, 1228-1240.	3.5	14
11	Influence of Ambient Relative Humidity on Seasonal Trends of the Scattering Enhancement Factor for Aerosols in Chiba, Japan. <i>Aerosol and Air Quality Research</i> , 2019, 19, 1856-1871.	2.1	14
12	Analog forecasting of tropical cyclone rainfall in the Philippines. <i>Weather and Climate Extremes</i> , 2021, 32, 100323.	4.1	13
13	Inter-correlation of Chemical Compositions, Transport Routes, and Source Apportionment Results of Atmospheric PM <sub>2.5</sub> in Southern Taiwan and the Northern Philippines. <i>Aerosol and Air Quality Research</i> , 2019, 9, 2645-2661.	2.1	13
14	Correction in aerosol mass concentration measurements with humidity difference between ambient and instrumental conditions. <i>Atmospheric Environment</i> , 2007, 41, 1616-1626.	4.1	12
15	Volcanoes magnify Metro Manila's southwest monsoon rains and lethal floods. <i>Frontiers in Earth Science</i> , 2015, 2, .	1.8	12
16	Influence of local meteorology on the chemical characteristics of fine particulates in Metropolitan Manila in the Philippines. <i>Atmospheric Pollution Research</i> , 2020, 11, 1359-1369.	3.8	12
17	Hydrological Response of the Pampanga River Basin in the Philippines to Intense Tropical Cyclone Rainfall. <i>Journal of Hydrometeorology</i> , 2021, 22, 781-794.	1.9	10
18	Tropical cyclone characteristics associated with extreme precipitation in the northern Philippines. <i>International Journal of Climatology</i> , 0, , .	3.5	8

#	ARTICLE	IF	CITATIONS
19	Calibration of Kain-Fritsch cumulus scheme in Weather Research and Forecasting (WRF) model over Western Luzon, Philippines. <i>Meteorology and Atmospheric Physics</i> , 2021, 133, 771-780.	2.0	6
20	Multi-wavelength lidar system for the characterization of tropospheric aerosols and clouds. , 2012, , .		5
21	Effect of Synoptic Scale Weather Disturbance to Philippine Transboundary Ozone Pollution using WRF-CHEM. <i>International Journal of Environmental Science and Development</i> , 0, , 402-405.	0.6	5
22	Factors influencing surface CO2 variations in LPRU, Thailand and IESM, Philippines. <i>Environmental Pollution</i> , 2014, 195, 282-291.	7.5	4
23	Non-chemistry coupled PM10 modeling in Chiang Mai City, Northern Thailand: A fast operational approach for aerosol forecasts. <i>Journal of Physics: Conference Series</i> , 2017, 901, 012037.	0.4	4
24	Flash flood modeling in the data-poor basin: A case study in Matina River Basin. <i>Tropical Cyclone Research and Review</i> , 2021, 10, 87-95.	2.2	4
25	Application of the WRF/Chem v.3.6.1 on the reanalysis of criteria pollutants over Metro Manila. <i>Sustainable Environment Research</i> , 2019, 29, .	4.2	3
26	Validation of XCO <sub>2</sub> and XCH <sub>4</sub> retrieved from a portable Fourier transform spectrometer with those from in situ profiles from aircraft-borne instruments. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 5149-5163.	3.1	3
27	Identifying the rapid intensification of tropical cyclones using the Himawari-8 satellite and their impacts in the Philippines. <i>International Journal of Climatology</i> , 2023, 43, 1-16.	3.5	3
28	Correlation of Aerosol Optical Properties with Surface Meteorological Parameters Over Manila. <i>Advanced Science Letters</i> , 2017, 23, 1448-1451.	0.2	2
29	Dual-Site Lidar Observations and Satellite Data Analysis for Regional Cloud Characterization. <i>Optical Review</i> , 2007, 14, 39-47.	2.0	1
30	Urban air pollution monitoring using differential optical absorption spectroscopy (DOAS) and wind lidar. , 2012, , .		1
31	Effect of horizontal and vertical resolution for wind resource assessment in Metro Manila, Philippines using Weather Research and Forecasting (WRF) model. , 2016, , .		1
32	Variability of tropical cyclone rainfall volume in the Philippines. <i>International Journal of Climatology</i> , 0, , .	3.5	1
33	Philippines TCCON Project: One-year Measurement Results and Future. , 2018, , .		0