Jason Blake Cohen

List of Publications by Year
in descending order

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30	641	686830 13	610482 24
papers	citations	h-index	g-index

52	52	52	772
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shift in the Temporal Trend of Boundary Layer Height in China Using Longâ€Term (1979â€“2016) Radiosonde Data. Geophysical Research Letters, 2019, 46, 6080-6089.	1.5	130
2	Estimating global black carbon emissions using a topâ€down Kalman Filter approach. Journal of Geophysical Research D: Atmospheres, 2014, 119, 307-323.	1.2	108
3	Development of a fast, urban chemistry metamodel for inclusion in global models. Atmospheric Chemistry and Physics, 2011, 11, 7629-7656.	1.9	40
4	Interâ€annual variation of the spring haze pollution over the North China Plain: Roles of atmospheric circulation and sea surface temperature. International Journal of Climatology, 2019, 39, 783-798.	1.5	40
5	Quantifying the occurrence and magnitude of the Southeast Asian fire climatology. Environmental Research Letters, 2014, 9, 114018.	2.2	38
6	The impact of detailed urban-scale processing on the composition, distribution, and radiative forcing of anthropogenic aerosols. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	36
7	Decadal-scale relationship between measurements of aerosols, land-use change, and fire over Southeast Asia. Atmospheric Chemistry and Physics, 2017, 17, 721-743.	1.9	26
8	Spatially and temporally coherent reconstruction of tropospheric NO₂ over China combining OMI and GOME-2B measurements. Environmental Research Letters, 2020, 15, 125011.	2.2	23
9	Vertical distribution of aerosols over the Maritime Continent during El NiÃ±o. Atmospheric Chemistry and Physics, 2018, 18, 7095-7108.	1.9	22
10	Chemical Composition of PM2.5 and its Impact on Visibility in Guangzhou, Southern China. Aerosol and Air Quality Research, 2016, 16, 2349-2361.	0.9	21
11	High time-resolved elemental components in fine and coarse particles in the Pearl River Delta region of Southern China: Dynamic variations and effects of meteorology. Science of the Total Environment, 2016, 572, 634-648.	3.9	21
12	Properties of aerosols and formation mechanisms over southern China during the monsoon season. Atmospheric Chemistry and Physics, 2016, 16, 13271-13289.	1.9	16
13	Application of a combined standard deviation and mean based approach to MOPITT CO column data, and resulting improved representation of biomass burning and urban air pollution sources. Remote Sensing of Environment, 2020, 241, 111720.	4.6	16
14	Constraining the relationships between aerosol height, aerosol optical depth and total column trace gas measurements using remote sensing and models. Atmospheric Chemistry and Physics, 2020, 20, 15401-15426.	1.9	14
15	A new perspective on the spatial, temporal, and vertical distribution of biomass burning: quantifying a significant increase in CO emissions. Environmental Research Letters, 2020, 15, 104091.	2.2	13
16	Using a New Topâ€Down Constrained Emissions Inventory to Attribute the Previously Unknown Source of Extreme Aerosol Loadings Observed Annually in the Monsoon Asia Free Troposphere. Earth's Future, 2021, 9, e2021EF002167.	2.4	12
17	Inferring Polluted Asian Absorbing Aerosol Properties Using Decadal Scale AERONET Measurements and a MIE Model. Geophysical Research Letters, 2021, 48, e2021GL094300.	1.5	9
18	High-resolution spatiotemporal patterns of Chinaâ€™s FFCO₂ emissions under the impact of LUCC from 2000 to 2015. Environmental Research Letters, 2020, 15, 044007.	2.2	8

#	Article	IF	Citations
19	Improving the understanding between climate variability and observed extremes of global NO₂ over the past 15 years. Environmental Research Letters, 2021, 16, 054020.	2.2	8
20	Intra-seasonal differences in the atmospheric systems contributing to interannual variations of autumn haze pollution in the North China Plain. Theoretical and Applied Climatology, 2020, 141, 389-403.	1.3	6
21	Dramatic decline of observed atmospheric CO2 and CH4 during the COVID-19 lockdown over the Yangtze River Delta of China. Journal of Environmental Sciences, 2023, 124, 712-722.	3.2	6
22	Aloft Transport of Haze Aerosols to Xuzhou, Eastern China: Optical Properties, Sources, Type, and Components. Remote Sensing, 2022, 14, 1589.	1.8	5
23	Vegetation-related dry deposition of global PM2.5 from satellite observations. Journal of Chinese Geography, 2022, 32, 589-604.	1.5	5
24	Elucidating the impact of high- and low-pressure systems on temperature inversion from nine years of radiosonde observations in Beijing. Atmospheric Research, 2022, 271, 106115.	1.8	5
25	Combing GOME-2B and OMI Satellite Data to Estimate Near-Surface NO₂ of Mainland China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10269-10277.	2.3	3
26	Impact of Urbanization on Regional Climate and Air Quality in China. , 2017, , 453-476.		2
27	A DECADAL ANALYSIS AND SENSITIVITY STUDY USING MOPITT CO COLUMNS OVER ASIA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W5, 53-59.	0.2	1
28	COMPARING A RANGE OF SIMPLE PLUME RISE MODELS AND MISR AEROSOL HEIGHT MEASUREMENTS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W9, 165-170.	0.2	0
29	AN INTER-COMPARISON OF THE SPATIAL AND TEMPORAL CHARACTERISTICS OF CO OVER HIGH FIRE REGIONS BASED ON MOPITT AND GFED. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W9, 119-123.	0.2	0
30	Elucidating the Impact of High- and Low-Pressure Systems on Temperature Inversion from Nine Years of Radiosonde Observations in Beijing. SSRN Electronic Journal, 0, , .	0.4	0