

Sagar P Parajuli

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

385
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1040056

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docs citations

28
times ranked

521
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping erodibility in dust source regions based on geomorphology, meteorology, and remote sensing. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 1977-1994.	2.8	68
2	Dust Emission Modeling Using a New High-Resolution Dust Source Function in WRF-Chem With Implications for Air Quality. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10109-10133.	3.3	52
3	High Summertime Aerosol Loadings Over the Arabian Sea and Their Transport Pathways. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,568.	3.3	44
4	Connecting geomorphology to dust emission through high-resolution mapping of global land cover and sediment supply. <i>Aeolian Research</i> , 2017, 27, 47-65.	2.7	42
5	Synergy processing of diverse ground-based remote sensing and in situ data using the GRASP algorithm: applications to radiometer, lidar and radiosonde observations. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 2575-2614.	3.1	38
6	New insights into the wind-dust relationship in sandblasting and direct aerodynamic entrainment from wind tunnel experiments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1776-1792.	3.3	29
7	Projected changes in dust emissions and regional air quality due to the shrinking Salton Sea. <i>Aeolian Research</i> , 2018, 33, 82-92.	2.7	28
8	Diagnostic evaluation of the Community Earth System Model in simulating mineral dust emission with insight into large-scale dust storm mobilization in the Middle East and North Africa (MENA). <i>Aeolian Research</i> , 2016, 21, 21-35.	2.7	24
9	Aerosol vertical distribution and interactions with land/sea breezes over the eastern coast of the Red Sea from lidar data and high-resolution WRF-Chem simulations. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 16089-16116.	4.9	24
10	Effect of dust on rainfall over the Red Sea coast based on WRF-Chem model simulations. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8659-8682.	4.9	7
11	The effect of soil moisture and wind speed on aerosol optical thickness retrieval in a desert environment using SEVIRI thermal channels. <i>International Journal of Remote Sensing</i> , 2013, 34, 5054-5071.	2.9	6
12	Quantifying the impacts of landscape heterogeneity and model resolution on dust emissions in the Arabian Peninsula. <i>Environmental Modelling and Software</i> , 2016, 78, 106-119.	4.5	6
13	Understanding dust emission in the Bodélé region by extracting locally mobilized dust aerosols from satellite Aerosol Optical Depth data using principal component analysis. <i>Aeolian Research</i> , 2017, 24, 105-113.	2.7	6
14	Sea Breeze Geoengineering to Increase Rainfall over the Arabian Red Sea Coastal Plains. <i>Journal of Hydrometeorology</i> , 2022, 23, 3-24.	1.9	6
15	Effect of soil moisture and land cover on dust generation in desert and arid environment. , 2011, , .		1
16	Evaluation of the effect of soil moisture and wind speed on dust emission using aernet, seviri, soil moisture and wind speed data. , 2012, , .		1