

Sungju Moon

List of Publications by Year in descending order

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14
papers

187
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1307594

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1125743

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all docs

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times ranked

184
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaos synchronization in generalized Lorenz systems and an application to image encryption. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2021, 96, 105708.	3.3	51
2	Air Quality Change in Seoul, South Korea under COVID-19 Social Distancing: Focusing on PM2.5. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6208.	2.6	38
3	Periodicity and Chaos of High-Order Lorenz Systems. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2017, 27, 1750176.	1.7	27
4	A physically extended Lorenz system. <i>Chaos</i> , 2019, 29, 063129.	2.5	18
5	Characteristics of Raindrop Size Distribution in Seoul, South Korea According to Rain and Weather Types. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2021, 57, 605-617.	2.3	11
6	Coexisting Attractors in a Physically Extended Lorenz System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, 2130016.	1.7	9
7	Non-Monotonic Dependencies of Cloud Microphysics and Precipitation on Aerosol Loading in Deep Convective Clouds: A Case Study Using the WRF Model with Bin Microphysics. <i>Atmosphere</i> , 2018, 9, 434.	2.3	8
8	High-dimensional generalizations of the Lorenz system and implications for predictability. <i>Physica Scripta</i> , 2020, 95, 085209.	2.5	7
9	Inter- and intra-city comparisons of PM2.5 concentration changes under COVID-19 social distancing in seven major cities of South Korea. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 1155-1168.	3.3	5
10	Systematic comparison between the generalized Lorenz equations and DNS in the two-dimensional Rayleigh-Bénard convection. <i>Chaos</i> , 2021, 31, 073119.	2.5	5
11	How Mountain Geometry Affects Aerosol-Cloud-Precipitation Interactions: Part I. Shallow Convective Clouds. <i>Journal of the Meteorological Society of Japan</i> , 2020, 98, 43-60.	1.8	4
12	Effects of density-affecting scalar on the onset of chaos in a simplified model of thermal convection: a nonlinear dynamical perspective. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	3
13	Orographic convective flows, wave reflection, and gravity-wave momentum fluxes in a two-layer hydrostatic atmosphere. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2018, 70, 1-16.	1.7	1
14	Using the (3N)-dimensional generalized Lorenz systems as a testbed for data assimilation: The ensemble Kalman filter. <i>Monthly Weather Review</i> , 2021, , .	1.4	0