

Wenbo Tang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8785686/publications.pdf>

Version: 2024-02-01

22
papers

394
citations

933447

10
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

365
citing authors

#	ARTICLE	IF	CITATIONS
1	Lagrangian Coherent Structure Analysis of Terminal Winds Detected by Lidar. Part I: Turbulence Structures. Journal of Applied Meteorology and Climatology, 2011, 50, 325-338.	1.5	49
2	Lagrangian Coherent Structures near a Subtropical Jet Stream. Journals of the Atmospheric Sciences, 2010, 67, 2307-2319.	1.7	43
3	Local environmental variation obscures the interpretation of pyrite sulfur isotope records. Earth and Planetary Science Letters, 2020, 533, 116056.	4.4	43
4	Accurate extraction of Lagrangian coherent structures over finite domains with application to flight data analysis over Hong Kong International Airport. Chaos, 2010, 20, 017502.	2.5	42
5	Transient marine euxinia at the end of the terminal Cryogenian glaciation. Nature Communications, 2018, 9, 3019.	12.8	41
6	Lagrangian coherent structures and internal wave attractors. Chaos, 2010, 20, 017508.	2.5	31
7	Lagrangian Coherent Structure Analysis of Terminal Winds Detected by Lidar. Part II: Structure Evolution and Comparison with Flight Data. Journal of Applied Meteorology and Climatology, 2011, 50, 2167-2183.	1.5	19
8	Stochastic Lagrangian dynamics for charged flows in the E-F regions of ionosphere. Physics of Plasmas, 2013, 20, 032305.	1.9	16
9	Application of Short-Range LIDAR in Early Alerting for Low-Level Windshear and Turbulence at Hong Kong International Airport. Advances in Meteorology, 2014, 2014, 1-8.	1.6	16
10	Locating an atmospheric contamination source using slow manifolds. Physics of Fluids, 2009, 21, 043302.	4.0	12
11	The coupling of Phanerozoic continental weathering and marine phosphorus cycle. Scientific Reports, 2020, 10, 5794.	3.3	11
12	Dependence of advection-diffusion-reaction on flow coherent structures. Physics of Fluids, 2013, 25, .	4.0	9
13	Lagrangian Coherent Structure Analysis of Terminal Winds: Three-Dimensionality, Intramodel Variations, and Flight Analyses. Advances in Meteorology, 2015, 2015, 1-13.	1.6	9
14	Cracking the superheavy pyrite enigma: possible roles of volatile organosulfur compound emission. National Science Review, 2021, 8, nwab034.	9.5	9
15	The geometry of inertial particle mixing in urban flows, from deterministic and random displacement models. Physics of Fluids, 2012, 24, .	4.0	8
16	Finite-time statistics of scalar diffusion in Lagrangian coherent structures. Physical Review E, 2012, 86, 045201.	2.1	7
17	The response of plasma density to breaking inertial gravity wave in the lower regions of ionosphere. Physics of Plasmas, 2014, 21, 042901.	1.9	7
18	Quantifying the Seawater Sulfate Concentration in the Cambrian Ocean. Frontiers in Earth Science, 2021, 9, .	1.8	7

#	ARTICLE	IF	CITATIONS
19	Active biogeochemical cycles during the Marinoan global glaciation. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 321, 155-169.	3.9	7
20	Lagrangian dynamics in stochastic inertia-gravity waves. <i>Physics of Fluids</i> , 2010, 22, 126601.	4.0	5
21	Bistability in inhomogeneity—Effects of flow coherent structures on the fate of a bistable reaction. <i>Physics of Fluids</i> , 2015, 27, 076601.	4.0	2
22	Terminal Wind Hazard Analyses Based on Assimilated Weather Data and Lagrangian Coherent Structures. <i>Journal of Applied Meteorology and Climatology</i> , 2020, 59, 1919-1931.	1.5	1