

# Wenbo Tang

## List of Publications by Year in descending order

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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	Active biogeochemical cycles during the Marinoan global glaciation. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 321, 155-169.	3.9	7
2	Cracking the superheavy pyrite enigma: possible roles of volatile organosulfur compound emission. <i>National Science Review</i> , 2021, 8, nwab034.	9.5	9
3	Quantifying the Seawater Sulfate Concentration in the Cambrian Ocean. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	7
4	The coupling of Phanerozoic continental weathering and marine phosphorus cycle. <i>Scientific Reports</i> , 2020, 10, 5794.	3.3	11
5	Local environmental variation obscures the interpretation of pyrite sulfur isotope records. <i>Earth and Planetary Science Letters</i> , 2020, 533, 116056.	4.4	43
6	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
7	Transient marine euxinia at the end of the terminal Cryogenian glaciation. <i>Nature Communications</i> , 2018, 9, 3019.	12.8	41
8	Lagrangian Coherent Structure Analysis of Terminal Winds: Three-Dimensionality, Intramodel Variations, and Flight Analyses. <i>Advances in Meteorology</i> , 2015, 2015, 1-13.	1.6	9
9	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
10	Application of Short-Range LIDAR in Early Alerting for Low-Level Windshear and Turbulence at Hong Kong International Airport. <i>Advances in Meteorology</i> , 2014, 2014, 1-8.	1.6	16
11	The response of plasma density to breaking inertial gravity wave in the lower regions of ionosphere. <i>Physics of Plasmas</i> , 2014, 21, 042901.	1.9	7
12	Stochastic Lagrangian dynamics for charged flows in the E-F regions of ionosphere. <i>Physics of Plasmas</i> , 2013, 20, 032305.	1.9	16
13	Dependence of advection-diffusion-reaction on flow coherent structures. <i>Physics of Fluids</i> , 2013, 25, .	4.0	9
14	Finite-time statistics of scalar diffusion in Lagrangian coherent structures. <i>Physical Review E</i> , 2012, 86, 045201.	2.1	7
15	The geometry of inertial particle mixing in urban flows, from deterministic and random displacement models. <i>Physics of Fluids</i> , 2012, 24, .	4.0	8
16	Lagrangian Coherent Structure Analysis of Terminal Winds Detected by Lidar. Part I: Turbulence Structures. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 325-338.	1.5	49
17	Lagrangian Coherent Structure Analysis of Terminal Winds Detected by Lidar. Part II: Structure Evolution and Comparison with Flight Data. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 2167-2183.	1.5	19
18	Lagrangian dynamics in stochastic inertia-gravity waves. <i>Physics of Fluids</i> , 2010, 22, 126601.	4.0	5

#	ARTICLE	IF	CITATIONS
19	Lagrangian coherent structures and internal wave attractors. <i>Chaos</i> , 2010, 20, 017508.	2.5	31
20	Accurate extraction of Lagrangian coherent structures over finite domains with application to flight data analysis over Hong Kong International Airport. <i>Chaos</i> , 2010, 20, 017502.	2.5	42
21	Lagrangian Coherent Structures near a Subtropical Jet Stream. <i>Journals of the Atmospheric Sciences</i> , 2010, 67, 2307-2319.	1.7	43
22	Locating an atmospheric contamination source using slow manifolds. <i>Physics of Fluids</i> , 2009, 21, 043302.	4.0	12