

# Paul Prikryl

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

761  
citations

687363

13  
h-index

677142

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Propagation of Ionospheric Disturbances Associated With the 2022 Tonga Volcanic Eruption. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	133
2	GPS TEC, scintillation and cycle slips observed at high latitudes during solar minimum. <i>Annales Geophysicae</i> , 2010, 28, 1307-1316.	1.6	101
3	Climatology of GPS phase scintillation and HF radar backscatter for the high-latitude ionosphere under solar minimum conditions. <i>Annales Geophysicae</i> , 2011, 29, 377-392.	1.6	80
4	Climatology of GPS phase scintillation at northern high latitudes for the period from 2008 to 2013. <i>Annales Geophysicae</i> , 2015, 33, 531-545.	1.6	61
5	GPS phase scintillation and proxy index at high latitudes during a moderate geomagnetic storm. <i>Annales Geophysicae</i> , 2013, 31, 805-816.	1.6	53
6	GPS phase scintillation at high latitudes during the geomagnetic storm of 17â€“18 March 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,448.	2.4	49
7	Interhemispheric comparison of GPS phase scintillation at high latitudes during the magnetic-cloud-induced geomagnetic storm of 5â€“7 April 2010. <i>Annales Geophysicae</i> , 2011, 29, 2287-2304.	1.6	45
8	The influence of solar wind on extratropical cyclones â€“ Part 1: Wilcox effect revisited. <i>Annales Geophysicae</i> , 2009, 27, 1-30.	1.6	40
9	High-latitude GPS phase scintillation and cycle slips during high-speed solar wind streams and interplanetary coronal mass ejections: a superposed epoch analysis. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	39
10	GPS phase difference variation statistics: A comparison between phase scintillation index and proxy indices. <i>Advances in Space Research</i> , 2013, 52, 1397-1405.	2.6	28
11	The influence of solar wind on extratropical cyclones â€“ Part 2: A link mediated by auroral atmospheric gravity waves?. <i>Annales Geophysicae</i> , 2009, 27, 31-57.	1.6	22
12	GPS phase scintillation at high latitudes during geomagnetic storms of 7â€“17 March 2012 â€“ Part 1: The North American sector. <i>Annales Geophysicae</i> , 2015, 33, 637-656.	1.6	21
13	Solar wind AlfvÃ©n waves: a source of pulsed ionospheric convection and atmospheric gravity waves. <i>Annales Geophysicae</i> , 2005, 23, 401-417.	1.6	19
14	A link between high-speed solar wind streams and explosive extratropical cyclones. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 149, 219-231.	1.6	15
15	Tropospheric weather influenced by solar wind through atmospheric vertical coupling downward control. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 171, 94-110.	1.6	10
16	An interhemispheric comparison of GPS phase scintillation with auroral emission observed at the South Pole and from the DMSP satellite. <i>Annals of Geophysics</i> , 2013, 56, .	1.0	10
17	Rapid intensification of tropical cyclones in the context of the solar wind-magnetosphere-ionosphere-atmosphere coupling. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 183, 36-60.	1.6	7
18	Analysis of GPS phase rate variations in response to geomagnetic field perturbations over the Canadian auroral region. <i>Advances in Space Research</i> , 2015, 55, 1372-1381.	2.6	6

#	ARTICLE	IF	CITATIONS
19	Heavy rainfall, floods, and flash floods influenced by high-speed solar wind coupling to the magnetosphere–ionosphere–atmosphere system. <i>Annales Geophysicae</i> , 2021, 39, 769-793.	1.6	5
20	Temporal and spatial variations of GPS TEC and phase during auroral substorms and breakups. <i>Polar Science</i> , 2021, 28, 100602.	1.2	4
21	White-light solar corona structure observed by naked eye and processed images. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 2170-2178.	4.4	3
22	GPS phase scintillation and auroral electrojet currents during geomagnetic storms of March 17, 2013 and 2015. , 2017, , .		1
23	High-Rate Precipitation Occurrence Modulated by Solar Wind High-Speed Streams. <i>Atmosphere</i> , 2021, 12, 1186.	2.3	1