

# Trond S Trondsen

## List of Publications by Year in descending order

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26  
papers

693  
citations

759233

12  
h-index

677142

22  
g-index

27  
all docs

27  
docs citations

27  
times ranked

596  
citing authors

#	ARTICLE	IF	CITATIONS
1	The THEMIS all-sky imaging array's system design and initial results from the prototype imager. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 1472-1487.	1.6	139
2	Simultaneous THEMIS in situ and auroral observations of a small substorm. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	89
3	High-resolution television observations of black aurora. <i>Journal of Geophysical Research</i> , 1997, 102, 363-378.	3.3	71
4	A survey of small-scale spatially periodic distortions of auroral forms. <i>Journal of Geophysical Research</i> , 1998, 103, 9405-9415.	3.3	67
5	Asymmetric multiple auroral arcs and inertial Alfvén waves. <i>Geophysical Research Letters</i> , 1997, 24, 2945-2948.	4.0	47
6	THEMIS observations of electron cyclotron harmonic emissions, ULF waves, and pulsating auroras. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	46
7	Interferometric radar observations of filamented structures due to plasma instabilities and their relation to dynamic auroral rays. <i>Annales Geophysicae</i> , 2004, 22, 1115-1132.	1.6	36
8	Dynamic rayed aurora and enhanced ion-acoustic radar echoes. <i>Annales Geophysicae</i> , 2005, 23, 3-11.	1.6	30
9	Coherent EISCAT Svalbard Radar spectra from the dayside cusp/cleft and their implications for transient field-aligned currents. <i>Journal of Geophysical Research</i> , 1999, 104, 24613-24624.	3.3	24
10	Hemispheric asymmetry of the structure of dayside auroral oval. <i>Geophysical Research Letters</i> , 2014, 41, 8696-8703.	4.0	23
11	Hyperspectral all-sky imaging of auroras. <i>Optics Express</i> , 2012, 20, 27650.	3.4	18
12	Fast Auroral Imager (FAI) for the e-POP Mission. <i>Space Science Reviews</i> , 2015, 189, 15-25.	8.1	17
13	Simulating the aurora. <i>Computer Animation and Virtual Worlds</i> , 2003, 14, 43-59.	0.9	11
14	Data-derived spatiotemporal resolution constraints for global auroral imagers. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	11
15	Observation of Radio-Wave-Induced Red Hydroxyl Emission at Low Altitude in the Ionosphere. <i>Physical Review Letters</i> , 2005, 94, 095004.	7.8	9
16	Observation of isolated high-speed auroral streamers and their interpretation as optical signatures of Alfvén waves generated by bursty bulk flows. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	9
17	Simulating the aurora borealis. , 0, , .		8
18	Auroral all-sky camera calibration. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2014, 3, 241-245.	1.6	8

#	ARTICLE	IF	CITATIONS
19	The Polar Outflow Probe (POP): Science Objectives and Instrument Development. Canadian Aeronautics and Space Journal, 2002, 48, 39-49.	0.1	8
20	Periodic black auroral patches at the dawnside dipolarization front during a substorm. Journal of Geophysical Research, 2011, 116, .	3.3	7
21	Variations of Thermospheric Winds Observed by a Fabry-Perot Interferometer at Mohe, China. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028655.	2.4	7
22	Global auroral imaging in the ILWS era. Advances in Space Research, 2007, 40, 409-418.	2.6	5
23	Low-cost multi-band ground-based imaging of the aurora. , 2005, , .		2
24	Auroral Imaging in Canada: Past, Present, and Future. Canadian Aeronautics and Space Journal, 2002, 48, 107-113.	0.1	1
25	The Diffuse Auroral Eraser. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028805.	2.4	0
26	MULTISCALE GEOSPACE PHYSICS IN CANADA. , 2005, , 487-508.		0