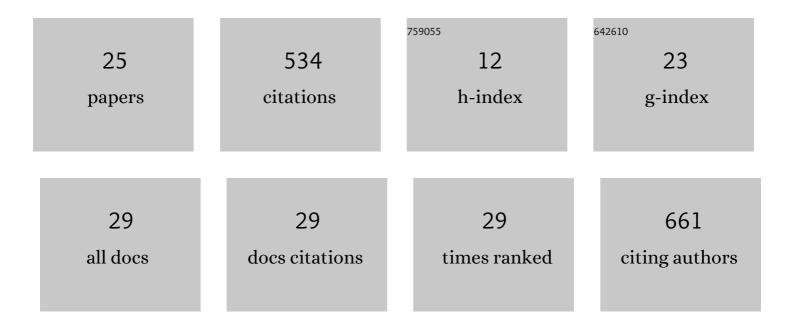
Ilja Honkonen

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	On the Regional Variability of d <i>B</i> /d <i>t</i> and Its Significance to GIC. Space Weather, 2020, 18, e2020SW002497.	1.3	35
2	GUMICS-4 analysis of interplanetary coronal mass ejection impact on Earth during low and typical Mach number solar winds. Annales Geophysicae, 2019, 37, 561-579.	0.6	2
3	The GIC and Geomagnetic Response Over Fennoscandia to the 7–8 September 2017 Geomagnetic Storm. Space Weather, 2019, 17, 989-1010.	1.3	65
4	Modeling Turbulence via Numerical Functional Integration. Springer Proceedings in Complexity, 2019, , 113-121.	0.2	0
5	The Crossâ€Polar Cap Saturation in GUMICSâ€4 During High Solar Wind Driving. Journal of Geophysical Research: Space Physics, 2018, 123, 3320-3332.	0.8	7
6	Predicting Global Ground Geoelectric Field With Coupled Geospace and Threeâ€Dimensional Geomagnetic Induction Models. Space Weather, 2018, 16, 1028-1041.	1.3	24
7	The impact on global magnetohydrodynamic simulations from varying initialisation methods: results from GUMICS-4. Annales Geophysicae, 2017, 35, 907-922.	0.6	3
8	High-Dimensional Integrator. Journal of Open Source Software, 2017, 2, 437.	2.0	1
9	One year in the Earth's magnetosphere: A global MHD simulation and spacecraft measurements. Space Weather, 2016, 14, 351-367.	1.3	13
10	Assessing the performance of communityâ€available global MHD models using key system parameters and empirical relationships. Space Weather, 2015, 13, 868-884.	1.3	40
11	Solar Storm GIC Forecasting: Solar Shield Extension—Development of the Endâ€User Forecasting System Requirements. Space Weather, 2015, 13, 531-532.	1.3	3
12	A generic simulation cell method for developing extensible, efficient and readable parallel computational models. Geoscientific Model Development, 2015, 8, 473-483.	1.3	0
13	Windsock memory COnditioned RAM (COâ€RAM) pressure effect: Forced reconnection in the Earth's magnetotail. Journal of Geophysical Research: Space Physics, 2014, 119, 6273-6293.	0.8	13
14	Statistical comparison of seasonal variations in the GUMICSâ€4 global MHD model ionosphere and measurements. Space Weather, 2014, 12, 582-600.	1.3	18
15	Vlasiator: First global hybrid-Vlasov simulations of Earth's foreshock and magnetosheath. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 120, 24-35.	0.6	91
16	Verification of the GUMICSâ€4 global MHD code using empirical relationships. Journal of Geophysical Research: Space Physics, 2013, 118, 3138-3146.	0.8	11
17	Parallel grid library for rapid and flexible simulation development. Computer Physics Communications, 2013, 184, 1297-1309.	3.0	11
18	Multi-GPU simulations of Vlasov's equation using Vlasiator. Parallel Computing, 2013, 39, 306-318.	1.3	13

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#	Article	IF	CITATIONS
19	Preliminary testing of global hybrid-Vlasov simulation: Magnetosheath and cusps under northward interplanetary magnetic field. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 99, 41-46.	0.6	33
20	On the performance of global magnetohydrodynamic models in the Earth's magnetosphere. Space Weather, 2013, 11, 313-326.	1.3	28
21	IMF effect on the polar cap contraction and expansion during a period of substorms. Annales Geophysicae, 2013, 31, 1021-1034.	0.6	7
22	Topology Aware Process Mapping. Lecture Notes in Computer Science, 2013, , 297-308.	1.0	2
23	Magnetopause energy transfer dependence on the interplanetary magnetic field and the Earth's magnetic dipole axis orientation. Annales Geophysicae, 2012, 30, 515-526.	0.6	12
24	The GUMICS-4 global MHD magnetosphere–ionosphere coupling simulation. Journal of Atmospheric and Solar-Terrestrial Physics, 2012, 80, 48-59.	0.6	88
25	On large plasmoid formation in a global magnetohydrodynamic simulation. Annales Geophysicae, 2011, 29, 167-179.	0.6	14