Urs Ganse

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7598736/publications.pdf

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37	690	623734	580821
papers	citations	14 h-index	25 g-index

78	78	78	610
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quasiâ€Parallel Shock Reformation Seen by Magnetospheric Multiscale and Ionâ€Kinetic Simulations. Geophysical Research Letters, 2022, 49, .	4.0	11
2	Estimating Inner Magnetospheric Radial Diffusion Using a Hybrid-Vlasov Simulation. Frontiers in Astronomy and Space Sciences, 2022, 9, .	2.8	2
3	Electron Signatures of Reconnection in a Global eVlasiator Simulation. Geophysical Research Letters, 2022, 49, .	4.0	2
4	Vlasov simulation of electrons in the context of hybrid global models: an eVlasiator approach. Annales Geophysicae, 2021, 39, 85-103.	1.6	3
5	Magnetosheath jet evolution as a function of lifetime: global hybrid-Vlasov simulations compared to MMS observations. Annales Geophysicae, 2021, 39, 289-308.	1.6	15
6	Ion Acceleration Efficiency at the Earthâ€™s Bow Shock: Observations and Simulation Results. Astrophysical Journal, 2021, 914, 82.	4.5	7
7	Ion distribution functions in magnetotail reconnection: global hybrid-Vlasov simulation results. Annales Geophysicae, 2021, 39, 599-612.	1.6	7
8	Propagation of Ultralowâ€Frequency Waves from the Ion Foreshock into the Magnetosphere During the Passage of a Magnetic Cloud. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028474.	2.4	10
9	Connection Between Foreshock Structures and the Generation of Magnetosheath Jets: Vlasiator Results. Geophysical Research Letters, 2021, 48, e2021GL095655.	4.0	13
10	Foreshock cavitons and spontaneous hot flow anomalies: a statistical study with a global hybrid-Vlasov simulation. Annales Geophysicae, 2021, 39, 911-928.	1.6	3
11	Hybrid-Vlasov modeling of three-dimensional dayside magnetopause reconnection. Physics of Plasmas, 2020, 27, .	1.9	8
12	Hybrid-Vlasov simulation of auroral proton precipitation in the cusps: Comparison of northward and southward interplanetary magnetic field driving. Journal of Space Weather and Space Climate, 2020, 10, 51.	3.3	10
13	Comparative Analysis of the Vlasiator Simulations and MMS Observations of Multiple Xâ€Line Reconnection and Flux Transfer Events. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027410.	2.4	18
14	Asymmetries in the Earth's dayside magnetosheath: results from global hybrid-Vlasov simulations. Annales Geophysicae, 2020, 38, 1045-1062.	1.6	8
15	Helium in the Earth's foreshock: a global Vlasiator survey. Annales Geophysicae, 2020, 38, 1081-1099.	1.6	6
16	Resolution dependence of magnetosheath waves in global hybrid-Vlasov simulations. Annales Geophysicae, 2020, 38, 1283-1298.	1.6	7
17	Non-locality of Earth's quasi-parallel bow shock: injection of thermal protons in a hybrid-Vlasov simulation. Annales Geophysicae, 2020, 38, 625-643.	1.6	10
18	10.1063/5.0020685.1. , 2020, , .		0

#	Article	IF	Citations
19	Hybrid-Vlasov modelling of nightside auroral proton precipitation during southward interplanetary magnetic field conditions. Annales Geophysicae, 2019, 37, 791-806.	1.6	11
20	FORESAILâ€1 CubeSat Mission to Measure Radiation Belt Losses and Demonstrate Deorbiting. Journal of Geophysical Research: Space Physics, 2019, 124, 5783-5799.	2.4	23
21	Properties of Magnetic Reconnection and FTEs on the Dayside Magnetopause With and Without Positive IMF B_x Component During Southward IMF. Journal of Geophysical Research: Space Physics, 2019, 124, 4037-4048.	2.4	25
22	First Observations of the Disruption of the Earth's Foreshock Wave Field During Magnetic Clouds. Geophysical Research Letters, 2019, 46, 12644-12653.	4.0	15
23	Ion Acceleration by Flux Transfer Events in the Terrestrial Magnetosheath. Geophysical Research Letters, 2018, 45, 1723-1731.	4.0	17
24	A possible source mechanism for magnetotail current sheet flapping. Annales Geophysicae, 2018, 36, 1027-1035.	1.6	12
25	Magnetosheath jet properties and evolution as determined by a global hybrid-Vlasov simulation. Annales Geophysicae, 2018, 36, 1171-1182.	1.6	26
26	Fast plasma sheet flows and X line motion in the Earth's magnetotail: results from a global hybrid-Vlasov simulation. Annales Geophysicae, 2018, 36, 1183-1199.	1.6	11
27	Cavitons and spontaneous hot flow anomalies in a hybrid-Vlasov global magnetospheric simulation. Annales Geophysicae, 2018, 36, 1081-1097.	1.6	12
28	On the Importance of Spatial and Velocity Resolution in the Hybrid-Vlasov Modeling of Collisionless Shocks. Frontiers in Physics, 2018, 6, .	2.1	23
29	Linear Decrease in Athletic Performance During the Human Life Span. Frontiers in Physiology, 2018, 9, 1100.	2.8	50
30	Foreshock Properties at Typical and Enhanced Interplanetary Magnetic Field Strengths: Results From Hybridâ€Vlasov Simulations. Journal of Geophysical Research: Space Physics, 2018, 123, 5476-5493.	2.4	30
31	Vlasov methods in space physics and astrophysics. Living Reviews in Solar Physics, 2018, 4, 1.	11.4	94
32	Reconnection rates and X line motion at the magnetopause: Global 2Dâ€3V hybridâ€Vlasov simulation results. Journal of Geophysical Research: Space Physics, 2017, 122, 2877-2888.	2.4	51
33	Tail reconnection in the global magnetospheric context: Vlasiator first results. Annales Geophysicae, 2017, 35, 1269-1274.	1.6	22
34	Evidence for transient, local ion foreshocks caused by dayside magnetopause reconnection. Annales Geophysicae, 2016, 34, 943-959.	1.6	30
35	Mirror modes in the Earth's magnetosheath: Results from a global hybridâ€Vlasov simulation. Journal of Geophysical Research: Space Physics, 2016, 121, 4191-4204.	2.4	35
36	ULF foreshock under radial IMF: THEMIS observations and global kinetic simulation Vlasiator results compared. Journal of Geophysical Research: Space Physics, 2015, 120, 8782-8798.	2.4	48

#	ARTICLE	IF	CITATIONS
37	PICPANTHER: A simple, concise implementation of the relativistic moment implicit particle-in-cell method. Computer Physics Communications, 2015, 188, 198-207.	7.5	7