

# Urs Ganse

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

690  
citations

623734

14  
h-index

580821

25  
g-index

78  
all docs

78  
docs citations

78  
times ranked

610  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vlasov methods in space physics and astrophysics. <i>Living Reviews in Solar Physics</i> , 2018, 4, 1.	11.4	94
2	Reconnection rates and X line motion at the magnetopause: Global 2D $\epsilon_3V$ hybrid-Vlasov simulation results. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2877-2888.	2.4	51
3	Linear Decrease in Athletic Performance During the Human Life Span. <i>Frontiers in Physiology</i> , 2018, 9, 1100.	2.8	50
4	ULF foreshock under radial IMF: THEMIS observations and global kinetic simulation Vlasiator results compared. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8782-8798.	2.4	48
5	Mirror modes in the Earth's magnetosheath: Results from a global hybrid-Vlasov simulation. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4191-4204.	2.4	35
6	Evidence for transient, local ion foreshocks caused by dayside magnetopause reconnection. <i>Annales Geophysicae</i> , 2016, 34, 943-959.	1.6	30
7	Foreshock Properties at Typical and Enhanced Interplanetary Magnetic Field Strengths: Results From Hybrid-Vlasov Simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 5476-5493.	2.4	30
8	Magnetosheath jet properties and evolution as determined by a global hybrid-Vlasov simulation. <i>Annales Geophysicae</i> , 2018, 36, 1171-1182.	1.6	26
9	Properties of Magnetic Reconnection and FTEs on the Dayside Magnetopause With and Without Positive IMF $B_x$ Component During Southward IMF. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4037-4048.	2.4	25
10	On the Importance of Spatial and Velocity Resolution in the Hybrid-Vlasov Modeling of Collisionless Shocks. <i>Frontiers in Physics</i> , 2018, 6, .	2.1	23
11	FORESAIL CubeSat Mission to Measure Radiation Belt Losses and Demonstrate Deorbiting. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5783-5799.	2.4	23
12	Tail reconnection in the global magnetospheric context: Vlasiator first results. <i>Annales Geophysicae</i> , 2017, 35, 1269-1274.	1.6	22
13	Comparative Analysis of the Vlasiator Simulations and MMS Observations of Multiple Line Reconnection and Flux Transfer Events. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027410.	2.4	18
14	Ion Acceleration by Flux Transfer Events in the Terrestrial Magnetosheath. <i>Geophysical Research Letters</i> , 2018, 45, 1723-1731.	4.0	17
15	First Observations of the Disruption of the Earth's Foreshock Wave Field During Magnetic Clouds. <i>Geophysical Research Letters</i> , 2019, 46, 12644-12653.	4.0	15
16	Magnetosheath jet evolution as a function of lifetime: global hybrid-Vlasov simulations compared to MMS observations. <i>Annales Geophysicae</i> , 2021, 39, 289-308.	1.6	15
17	Connection Between Foreshock Structures and the Generation of Magnetosheath Jets: Vlasiator Results. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095655.	4.0	13
18	A possible source mechanism for magnetotail current sheet flapping. <i>Annales Geophysicae</i> , 2018, 36, 1027-1035.	1.6	12

#	ARTICLE	IF	CITATIONS
19	Cavitons and spontaneous hot flow anomalies in a hybrid-Vlasov global magnetospheric simulation. <i>Annales Geophysicae</i> , 2018, 36, 1081-1097.	1.6	12
20	Fast plasma sheet flows and X line motion in the Earth's magnetotail: results from a global hybrid-Vlasov simulation. <i>Annales Geophysicae</i> , 2018, 36, 1183-1199.	1.6	11
21	Hybrid-Vlasov modelling of nightside auroral proton precipitation during southward interplanetary magnetic field conditions. <i>Annales Geophysicae</i> , 2019, 37, 791-806.	1.6	11
22	Quasi-Parallel Shock Reformation Seen by Magnetospheric Multiscale and Ion Kinetic Simulations. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	11
23	Hybrid-Vlasov simulation of auroral proton precipitation in the cusps: Comparison of northward and southward interplanetary magnetic field driving. <i>Journal of Space Weather and Space Climate</i> , 2020, 10, 51.	3.3	10
24	Propagation of Ultralow-Frequency Waves from the Ion Foreshock into the Magnetosphere During the Passage of a Magnetic Cloud. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028474.	2.4	10
25	Non-locality of Earth's quasi-parallel bow shock: injection of thermal protons in a hybrid-Vlasov simulation. <i>Annales Geophysicae</i> , 2020, 38, 625-643.	1.6	10
26	Hybrid-Vlasov modeling of three-dimensional dayside magnetopause reconnection. <i>Physics of Plasmas</i> , 2020, 27, .	1.9	8
27	Asymmetries in the Earth's dayside magnetosheath: results from global hybrid-Vlasov simulations. <i>Annales Geophysicae</i> , 2020, 38, 1045-1062.	1.6	8
28	PICPANTHER: A simple, concise implementation of the relativistic moment implicit particle-in-cell method. <i>Computer Physics Communications</i> , 2015, 188, 198-207.	7.5	7
29	Ion Acceleration Efficiency at the Earth's Bow Shock: Observations and Simulation Results. <i>Astrophysical Journal</i> , 2021, 914, 82.	4.5	7
30	Ion distribution functions in magnetotail reconnection: global hybrid-Vlasov simulation results. <i>Annales Geophysicae</i> , 2021, 39, 599-612.	1.6	7
31	Resolution dependence of magnetosheath waves in global hybrid-Vlasov simulations. <i>Annales Geophysicae</i> , 2020, 38, 1283-1298.	1.6	7
32	Helium in the Earth's foreshock: a global Vlasov survey. <i>Annales Geophysicae</i> , 2020, 38, 1081-1099.	1.6	6
33	Vlasov simulation of electrons in the context of hybrid global models: an eVlasov approach. <i>Annales Geophysicae</i> , 2021, 39, 85-103.	1.6	3
34	Foreshock cavitons and spontaneous hot flow anomalies: a statistical study with a global hybrid-Vlasov simulation. <i>Annales Geophysicae</i> , 2021, 39, 911-928.	1.6	3
35	Estimating Inner Magnetospheric Radial Diffusion Using a Hybrid-Vlasov Simulation. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	2.8	2
36	Electron Signatures of Reconnection in a Global eVlasov Simulation. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2

#	ARTICLE	IF	CITATIONS
37	10.1063/5.0020685.1., 2020,, .		0