

Oreste Pezzi

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

902
citations

430874

18
h-index

501196

28
g-index

40
all docs

40
docs citations

40
times ranked

554
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmic-ray generated bubbles around their sources. Monthly Notices of the Royal Astronomical Society, 2022, 512, 233-244.	4.4	6
2	Relativistic Particle Transport and Acceleration in Structured Plasma Turbulence. Astrophysical Journal, 2022, 928, 25.	4.5	15
3	Current Sheets, Plasmoids and Flux Ropes in the Heliosphere. Space Science Reviews, 2021, 217, 1.	8.1	32
4	Current Sheets, Plasmoids and Flux Ropes in the Heliosphere. Space Science Reviews, 2021, 217, 1.	8.1	24
5	Dissipation measures in weakly collisional plasmas. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4857-4873.	4.4	29
6	Dynamical Effects of Cosmic Rays on the Medium Surrounding Their Sources. Astrophysical Journal Letters, 2021, 914, L13.	8.3	15
7	First Solar Orbiter observation of the Alfvénic slow wind and identification of its solar source. Astronomy and Astrophysics, 2021, 656, A21.	5.1	13
8	Impact of Switchbacks on Turbulent Cascade and Energy Transfer Rate in the Inner Heliosphere. Astrophysical Journal Letters, 2021, 922, L11.	8.3	18
9	Spatiotemporal Pattern Formation in a Ring of Coupled Oscillators. Regular and Chaotic Dynamics, 2021, 26, 717-731.	0.8	1
10	Novel aspects of cosmic ray diffusion in synthetic magnetic turbulence. Physical Review D, 2020, 102, .	4.7	26
11	Kinetic entropy-based measures of distribution function non-Maxwellianity: theory and simulations. Journal of Plasma Physics, 2020, 86, .	2.1	13
12	Kinetic Alfvén wave generation by velocity shear in collisionless plasmas. Journal of Plasma Physics, 2020, 86, .	2.1	9
13	Pathways to Dissipation in Weakly Collisional Plasmas. Astrophysical Journal, 2020, 891, 101.	4.5	56
14	Kelvin-Helmholtz Instability at Proton Scales with an Exact Kinetic Equilibrium. Astrophysical Journal, 2020, 901, 17.	4.5	7
15	Coherent Events at Ion Scales in the Inner Heliosphere: Parker Solar Probe Observations during the First Encounter. Astrophysical Journal, 2020, 905, 142.	4.5	23
16	Current Sheets, Magnetic Islands, and Associated Particle Acceleration in the Solar Wind as Observed by Ulysses near the Ecliptic Plane. Astrophysical Journal, 2019, 881, 116.	4.5	29
17	Sign Singularity of the Local Energy Transfer in Space Plasma Turbulence. Frontiers in Physics, 2019, 7, .	2.1	9
18	ViDA: a Vlasov-Darwin solver for plasma physics at electron scales. Journal of Plasma Physics, 2019, 85, .	2.1	13

#	ARTICLE	IF	CITATIONS
19	Energy conversion in turbulent weakly collisional plasmas: Eulerian hybrid Vlasov-Maxwell simulations. <i>Physics of Plasmas</i> , 2019, 26, .	1.9	23
20	Turbulence-Driven Ion Beams in the Magnetospheric Kelvin-Helmholtz Instability. <i>Physical Review Letters</i> , 2019, 122, 035102.	7.8	62
21	Fourier-Hermite decomposition of the collisional Vlasov-Maxwell system: implications for the velocity-space cascade. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 054005.	2.1	8
22	Proton-Proton Collisions in the Turbulent Solar Wind: Hybrid Boltzmann-Maxwell Simulations. <i>Astrophysical Journal</i> , 2019, 887, 208.	4.5	20
23	Local energy transfer rate and kinetic processes: the fate of turbulent energy in two-dimensional hybrid Vlasov-Maxwell numerical simulations. <i>Journal of Plasma Physics</i> , 2018, 84, .	2.1	29
24	Velocity-space cascade in magnetized plasmas: Numerical simulations. <i>Physics of Plasmas</i> , 2018, 25, .	1.9	37
25	Exact hybrid Vlasov equilibria for sheared plasmas with in-plane and out-of-plane magnetic field. <i>Physical Review E</i> , 2018, 97, 053212.	2.1	9
26	Slow electrostatic fluctuations generated by beam-plasma interaction. <i>Physics of Plasmas</i> , 2017, 24, .	1.9	10
27	Colliding Alfvénic wave packets in magnetohydrodynamics, Hall and kinetic simulations. <i>Journal of Plasma Physics</i> , 2017, 83, .	2.1	38
28	Solar wind collisional heating. <i>Journal of Plasma Physics</i> , 2017, 83, .	2.1	17
29	REVISITING A CLASSIC: THE PARKER-MOFFATT PROBLEM. <i>Astrophysical Journal</i> , 2017, 834, 166.	4.5	32
30	Turbulence generation during the head-on collision of Alfvénic wave packets. <i>Physical Review E</i> , 2017, 96, 023201.	2.1	24
31	Transition to kinetic turbulence at proton scales driven by large-amplitude kinetic Alfvén fluctuations. <i>Astronomy and Astrophysics</i> , 2017, 599, A8.	5.1	30
32	From Alfvén waves to kinetic Alfvén waves in an inhomogeneous equilibrium structure. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 1024-1045.	2.4	33
33	Differential kinetic dynamics and heating of ions in the turbulent solar wind. <i>New Journal of Physics</i> , 2016, 18, 125001.	2.9	51
34	Collisional Relaxation of Fine Velocity Structures in Plasmas. <i>Physical Review Letters</i> , 2016, 116, 145001.	7.8	58
35	Collisional effects on the numerical recurrence in Vlasov-Poisson simulations. <i>Physics of Plasmas</i> , 2016, 23, .	1.9	17
36	Collisional relaxation: Landau versus Dougherty operator. <i>Journal of Plasma Physics</i> , 2015, 81, .	2.1	17

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37	Nonlinear regime of electrostatic waves propagation in presence of electron-electron collisions. Physics of Plasmas, 2015, 22, .	1.9	10
38	Kinetic ion-acoustic solitary waves in collisional plasmas. European Physical Journal D, 2014, 68, 1.	1.3	11
39	Eulerian simulations of collisional effects on electrostatic plasma waves. Physics of Plasmas, 2013, 20, .	1.9	18