

Injection and acceleration of thermal protons at quasi-p simulation parameter survey

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A Simple Model of Nonlinear Diffusive Shock Acceleration. <i>Astrophysical Journal</i> , 1999, 526, 385-399.	4.5	276
2	Nonlinear Shock Acceleration and Photon Emission in Supernova Remnants. <i>Astrophysical Journal</i> , 2000, 540, 292-307.	4.5	136
3	Interplanetary fast shocks and associated drivers observed through the 23rd solar minimum by Wind over its first 2.5 years. <i>Journal of Geophysical Research</i> , 2000, 105, 27289-27314.	3.3	89
4	Large-scale Hybrid Simulations of Particle Acceleration at a Parallel Shock. <i>Astrophysical Journal</i> , 2004, 609, 452-458.	4.5	66
5	A new shock fitting procedure for the MHD Rankine-Hugoniot relations for the case of small He2+slippage. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	20
6	Shock Acceleration of High-Energy Cosmic Rays: The Importance of the Magnetic-Field Angle. <i>Journal of Physics: Conference Series</i> , 2006, 47, 160-167.	0.4	10
7	Sources and acceleration efficiencies for energetic particles in the heliosphere. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, B239-B247.	2.1	0
8	Hemispherical transport equation: modeling of quasiparallel collisionless shocks. <i>Astronomy and Astrophysics</i> , 2007, 466, 1-9.	5.1	8
9	Glimm's Godunov's method for cosmic-ray-hydrodynamics. <i>Journal of Computational Physics</i> , 2007, 227, 776-796.	3.8	17
10	A Numerical Study on the Ion Acceleration in Parallel Shock Wave. <i>Chinese Astronomy and Astrophysics</i> , 2008, 32, 169-177.	0.3	0
11	Distribution of escaping ions produced by non-specular reflection at the stationary quasi-perpendicular shock front. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	19
12	Prospects for future enhanced solar energetic particle events and the effects of weaker heliospheric magnetic fields. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	4
13	Cluster Merger Shock Constraints on Particle Acceleration and Nonthermal Pressure in the Intracluster Medium. <i>Astrophysical Journal</i> , 2008, 675, 126-135.	4.5	5
14	Physical Processes in the Outer Heliosphere. <i>Space Science Reviews</i> , 2009, 146, 275-294.	8.1	42
15	GAMMA-RAY EMISSION OF ACCELERATED PARTICLES ESCAPING A SUPERNOVA REMNANT IN A MOLECULAR CLOUD. <i>Astrophysical Journal</i> , 2011, 731, 87.	4.5	51
16	SIGN FOR SUPER-DIFFUSIVE TRANSPORT OF ENERGETIC IONS ASSOCIATED WITH A CORONAL-MASS-EJECTION-DRIVEN INTERPLANETARY SHOCK. <i>Astrophysical Journal Letters</i> , 2011, 731, L34.	8.3	33
17	ION ACCELERATION IN NON-RELATIVISTIC ASTROPHYSICAL SHOCKS. <i>Astrophysical Journal</i> , 2012, 744, 67.	4.5	87
18	Ion Acceleration at the Earth's Bow Shock. <i>Space Science Reviews</i> , 2012, 173, 5-47.	8.1	98

#	ARTICLE	IF	CITATIONS
19	Numerical simulations of diffusive shock acceleration in SNRs. <i>Astroparticle Physics</i> , 2012, 39-40, 12-21.	4.3	44
20	COSMIC-RAY-INDUCED FILAMENTATION INSTABILITY IN COLLISIONLESS SHOCKS. <i>Astrophysical Journal Letters</i> , 2013, 765, L20.	8.3	73
21	ACCELERATION OF LOW-ENERGY IONS AT PARALLEL SHOCKS WITH A FOCUSED TRANSPORT MODEL. <i>Astrophysical Journal</i> , 2013, 767, 6.	4.5	19
22	Particle acceleration and nonthermal radiation in supernova remnants. <i>Journal of Physics: Conference Series</i> , 2013, 409, 012012.	0.4	1
23	MAGNETIC FIELD AMPLIFICATION IN NONLINEAR DIFFUSIVE SHOCK ACCELERATION INCLUDING RESONANT AND NON-RESONANT COSMIC-RAY DRIVEN INSTABILITIES. <i>Astrophysical Journal</i> , 2014, 789, 137.	4.5	65
24	SIMULATIONS OF ION ACCELERATION AT NON-RELATIVISTIC SHOCKS. I. ACCELERATION EFFICIENCY. <i>Astrophysical Journal</i> , 2014, 783, 91.	4.5	368
25	Nonthermal particles and photons in starburst regions and superbubbles. <i>Astronomy and Astrophysics Review</i> , 2014, 22, 1.	25.5	84
26	ION ACCELERATION AT THE QUASI-PARALLEL BOW SHOCK: DECODING THE SIGNATURE OF INJECTION. <i>Astrophysical Journal</i> , 2016, 820, 21.	4.5	26
27	The Acceleration of Charged Particles at a Spherical Shock Moving through an Irregular Magnetic Field. <i>Astrophysical Journal</i> , 2017, 848, 123.	4.5	16
28	The Acceleration of Thermal Ions at a Strong, Quasi-Parallel Interplanetary Shock: A Hybrid Simulation. <i>Journal of Physics: Conference Series</i> , 2017, 900, 012008.	0.4	4
29	Maximus: A Hybrid Particle-in-Cell Code for Microscopic Modeling of Collisionless Plasmas. <i>Communications in Computer and Information Science</i> , 2019, , 242-253.	0.5	3
30	Shocks and Non-thermal Particles in Clusters of Galaxies. <i>Space Science Reviews</i> , 2019, 215, 1.	8.1	36
31	dHybridR: A Hybrid Particle-in-cell Code Including Relativistic Ion Dynamics. <i>Astrophysical Journal</i> , 2019, 887, 165.	4.5	24
32	Energetic Charged Particles in the Terrestrial Magnetosphere: Cluster/RAPID Results. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029273.	2.4	3
34	Nonthermal Emission from a Supernova Remnant in a Molecular Cloud. <i>Astrophysical Journal</i> , 2000, 538, 203-216.	4.5	154
35	Radio and X-ray Profiles in Supernova Remnants Undergoing Efficient Cosmic-ray Production. <i>Astrophysical Journal</i> , 2005, 632, 920-931.	4.5	42
36	Kinetic Simulations of Cosmic-Ray-modified Shocks. I. Hydrodynamics. <i>Astrophysical Journal</i> , 2020, 905, 1.	4.5	37
37	Nonlinear Shock Acceleration and Photon Production in Young Supernova Remnants. <i>Astrophysics and Space Science Library</i> , 2001, , 213-226.	2.7	0

#	ARTICLE	IF	CITATIONS
38	Conclusion and Problems. Astrophysics and Space Science Library, 2004, , 771-774.	2.7	0
39	Physical Processes in the Outer Heliosphere. , 2009, , 275-294.		1
40	Ion Acceleration at the Earth's Bow Shock. Space Sciences Series of ISSI, 2012, , 5-47.	0.0	1
41	In Situ Measurement of the Energy Fraction in Suprathermal and Energetic Particles at ACE, Wind, and PSP Interplanetary Shocks. Astrophysical Journal, 2022, 928, 66.	4.5	7
42	Interstellar Neutrals, Pickup Ions, and Energetic Neutral Atoms Throughout the Heliosphere: Present Theory and Modeling Overview. Space Science Reviews, 2022, 218, 1.	8.1	13
43	Fast Particle Acceleration in 3D Hybrid Simulations of Quasiperpendicular Shocks. Physical Review Letters, 2023, 131, .	7.8	1
44	Analyses of ~ 0.05 MeV Ions Associated with the 2022 February 16 Energetic Storm Particle Event Observed by Parker Solar Probe. Astrophysical Journal, 2023, 958, 144.	4.5	2