

Electron acceleration in a nonlinear shock model with a remnant

Astrophysical Journal

382, 242

DOI: [10.1086/170712](https://doi.org/10.1086/170712)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Simulations of particle acceleration in parallel shocks: Direct comparison between Monte Carlo and one-dimensional hybrid codes. <i>Journal of Geophysical Research</i> , 1993, 98, 21085-21093.	3.3	30
2	Radio Emission From Snr 1987A. <i>International Astronomical Union Colloquium</i> , 1994, 142, 807-811.	0.1	0
3	Particle Acceleration in High-Energy Gamma-Ray Sources. <i>International Astronomical Union Colloquium</i> , 1994, 142, 877-881.	0.1	0
4	Some non-linear effects in diffusive shock acceleration. <i>Space Science Reviews</i> , 1995, 74, 407-416.	8.1	1
5	Cosmic-ray propagation in the Galaxy. <i>Il Nuovo Cimento Della Societ� Italiana Di Fisica C</i> , 1996, 19, 755-764.	0.2	13
6	Nonlinear Particle Acceleration in Oblique Shocks. <i>Astrophysical Journal</i> , 1996, 473, 1029-1050.	4.5	114
7	Evidence of X-Ray Synchrotron Emission from Electrons Accelerated to 40 T[CLC]e[/CLC]V in the Supernova Remnant Cassiopeia A. <i>Astrophysical Journal</i> , 1997, 487, L97-L100.	4.5	146
8	New Experimental Data and What It Tells Us About the Sources and Acceleration of Cosmic Rays. , 1997, 81, 107-142.		27
9	Transport of high energy cosmic rays. <i>Advances in Space Research</i> , 1997, 19, 697-705.	2.6	22
10	Gamma-ray Production in Supernova Remnants. <i>Astrophysical Journal</i> , 1998, 492, 219-227.	4.5	126
11	Models of Synchrotron X-rays from Shell Supernova Remnants. <i>Astrophysical Journal</i> , 1998, 493, 375-396.	4.5	215
12	Electron kinetics in collisionless shock waves. <i>Journal of Experimental and Theoretical Physics</i> , 1999, 88, 465-475.	0.9	50
13	RXTE observations of Cas A. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1999, 69, 68-73.	0.4	9
14	Laboratory experiments to simulate the hydrodynamics of supernova remnants and supernovae. <i>Journal of Geophysical Research</i> , 1999, 104, 14505-14515.	3.3	44
15	Multifrequency Studies of Bright Radio Supernova Remnants. III. X-ray and Radio Observations of 3C 397. <i>Astrophysical Journal</i> , 1999, 526, 365-384.	4.5	16
16	Similarity Criteria for the Laboratory Simulation of Supernova Hydrodynamics. <i>Astrophysical Journal</i> , 1999, 518, 821-832.	4.5	381
17	Large-scale numerical simulations of ion beam instabilities in unmagnetized astrophysical plasmas. <i>Physics of Plasmas</i> , 2000, 7, 5171-5181.	1.9	40
18	X-ray Synchrotron Emission from 10-100 TeV Cosmic-ray Electrons in the Supernova Remnant SN 1006. <i>Astrophysical Journal</i> , 2001, 558, 739-752.	4.5	66

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19	Supernova remnants and the origin of the cosmic radiation: the electron component. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 359-378.	3.6	29
20	X-ray Synchrotron-emitting Fe-rich Ejecta in Supernova Remnant RCW 86. Astrophysical Journal, 2002, 581, 1116-1131.	4.5	80
21	The Influence of Electron Temperature and Magnetic Field Strength on Cosmic-ray Injection in High Mach Number Shocks. Astrophysical Journal, 2002, 570, 637-646.	4.5	33
22	Low Frequency Insights into Supernova Remnants. Symposium - International Astronomical Union, 2002, 199, 291-294.	0.1	1
23	A Multifrequency Radio Study of Supernova Remnant G292.0+1.8 and Its Pulsar Wind Nebula. Astrophysical Journal, 2003, 594, 326-339.	4.5	72
24	Radio emission models of colliding-wind binary systems. Astronomy and Astrophysics, 2003, 409, 217-233.	5.1	76
25	Microphysics of shock acceleration from observations of X-ray synchrotron emission from supernova remnants. Advances in Space Research, 2004, 33, 461-465.	2.6	9
26	Numerical Simulations of Local Shock Reformation and Ion Acceleration in Supernova Remnants. Astrophysical Journal, 2004, 604, 187-195.	4.5	34
27	Far Ultraviolet Spectroscopic Explorer Observation of the Nonradiative Collisionless Shock in the Remnant of SN 1006. Astrophysical Journal, 2004, 615, 280-285.	4.5	46
28	Canonical Particle Acceleration in FR I Radio Galaxies. Astrophysical Journal, 2005, 626, 748-766.	4.5	23
29	A layered model for non-thermal radio emission from single O stars. Astronomy and Astrophysics, 2005, 433, 313-322.	5.1	15
30	Ion acceleration processes at reforming collisionless shocks. Physics of Plasmas, 2005, 12, 012901-012901-8.	1.9	18
31	Models for Nonthermal Photon Spectra. Astrophysical Journal, Supplement Series, 2006, 167, 26-39.	7.7	6
32	Radio Spectral Index Variations in HB 21. Astrophysical Journal, 2006, 647, 1125-1130.	4.5	8
33	Circumstellar Emission from Type Ib and Ic Supernovae. Astrophysical Journal, 2006, 651, 381-391.	4.5	241
34	Spitzer Space Telescope Observations of Kepler's Supernova Remnant: A Detailed Look at the Circumstellar Dust Component. Astrophysical Journal, 2007, 662, 998-1013.	4.5	78
35	Supernova Remnants at High Energy. Annual Review of Astronomy and Astrophysics, 2008, 46, 89-126.	24.3	323
36	ON COSMIC RAY ACCELERATION IN RELATIVISTIC JETS. International Journal of Modern Physics D, 2008, 17, 1827-1837.	2.1	2

#	ARTICLE	IF	CITATIONS
37	Evidence of a Curved Synchrotron Spectrum in the Supernova Remnant SN 1006. <i>Astrophysical Journal</i> , 2008, 683, 773-785.	4.5	45
38	Radio spectral properties and the magnetic field of the SNR S147. <i>Astronomy and Astrophysics</i> , 2008, 482, 783-792.	5.1	37
39	Radio spectrum variations in supernova remnants. , 2009, , .		0
40	On discrepancy between ATIC and Fermi data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 038-038.	5.4	8
41	NON-THERMAL X-RAY EMISSION FROM THE NORTHWESTERN RIM OF THE GALACTIC SUPERNOVA REMNANT G266.2â€“1.2 (RX J0852.0-4622). <i>Astrophysical Journal</i> , 2010, 721, 1492-1508.	4.5	23
42	Cosmic ray acceleration at oblique shocks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 1208-1216.	4.4	76
43	Impact of the rippling of a perpendicular shock front on ion dynamics. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	35
44	Magnetic Fields in Supernova Remnants and Pulsar-Wind Nebulae. <i>Space Science Reviews</i> , 2012, 166, 231-261.	8.1	107
45	DISCOVERY OF TeV GAMMA-RAY EMISSION TOWARD SUPERNOVA REMNANT SNR G78.2+2.1. <i>Astrophysical Journal</i> , 2013, 770, 93.	4.5	46
46	Particle Acceleration in Shell Supernova Remnants: Observational Evidence. <i>Geophysical Monograph Series</i> , 2013, , 97-105.	0.1	0
47	Nonthermal X-rays from supernova remnants. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 245-252.	0.0	0
48	FULL PARTICLE ELECTROMAGNETIC SIMULATIONS OF ENTROPY GENERATION ACROSS A COLLISIONLESS SHOCK. <i>Astrophysical Journal Letters</i> , 2014, 793, L11.	8.3	6
49	Radio emission from supernova remnants. <i>Astronomy and Astrophysics Review</i> , 2015, 23, 1.	25.5	105
50	Constraining Magnetic Field Amplification in SN Shocks Using Radio Observations of SNe 2011fe and 2014J. <i>Astrophysical Journal</i> , 2017, 842, 17.	4.5	19
51	Constraints on environs around SN 2011fe and SN 2014J from radio modeling and observations. <i>Proceedings of the International Astronomical Union</i> , 2017, 12, 69-74.	0.0	0
52	Deep VLA Observations of the Cluster 1RXS J0603.3+4214 in the Frequency Range of 1â€“2 GHz. <i>Astrophysical Journal</i> , 2018, 852, 65.	4.5	63
53	Generation of High-frequency Whistler Waves in the Earthâ€™s Quasi-perpendicular Bow Shock. <i>Astrophysical Journal Letters</i> , 2021, 919, L17.	8.3	12
54	Particle Acceleration. , 1994, , 225-314.		25

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55	Supernova Interaction with a Circumstellar Medium. Lecture Notes in Physics, 2003, , 171-194.	0.7	77
56	A Relativistic Bremsstrahlung/Inverse Compton Origin for 2EG J1857+0118 Associated with Supernova Remnant W44. Astrophysical Journal, 1997, 482, 874-880.	4.5	30
57	Galactic Cosmic Rays from Supernova Remnants. II. Shock Acceleration of Gas and Dust. Astrophysical Journal, 1997, 487, 197-217.	4.5	229
58	Radio Spectral Index Variations in the Cygnus Loop. Astrophysical Journal, 1998, 505, 784-792.	4.5	32
59	Radio to Gamma-ray Emission from Shell-type Supernova Remnants: Predictions from Nonlinear Shock Acceleration Models. Astrophysical Journal, 1999, 513, 311-338.	4.5	178
60	Maximum Energies of Shock-accelerated Electrons in Young Shell Supernova Remnants. Astrophysical Journal, 1999, 525, 368-374.	4.5	174
61	Reionization by Hard Photons. I. X-rays from the First Star Clusters. Astrophysical Journal, 2001, 553, 499-512.	4.5	161
62	Electron Preacceleration Mechanisms in the Foot Region of High Alfvénic Mach Number Shocks. Astrophysical Journal, 2002, 579, 327-336.	4.5	51
63	Kinetic Simulations of Cosmic-Ray-modified Shocks. II. Particle Spectra. Astrophysical Journal, 2020, 905, 2.	4.5	44
64	Magnetic Fields in Supernova Remnants and Pulsar-Wind Nebulae. Space Sciences Series of ISSI, 2011, , 231-261.	0.0	0
65	Energy Conservation in the Thin Layer Approximation: III. The Spherical Relativistic Case for Supernovae. International Journal of Astronomy and Astrophysics, 2020, 10, 285-301.	0.5	2
66	Steep Cosmic-Ray Spectra with Revised Diffusive Shock Acceleration. Astrophysical Journal, 2021, 922, 1.	4.5	18
67	Nonthermal electron acceleration at collisionless quasi-perpendicular shocks. Reviews of Modern Plasma Physics, 2022, 6, .	4.1	13