

Artem Bohdan

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

222
citations

933447

10
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

203
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusive Shock Acceleration at Oblique High Mach Number Shocks. <i>Astrophysical Journal</i> , 2022, 929, 7.	4.5	5
2	The electron foreshock at high-Mach-number non-relativistic oblique shocks. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	6
3	Preacceleration in the Electron Foreshock. I. Electron Acoustic Waves. <i>Astrophysical Journal</i> , 2022, 931, 129.	4.5	7
4	Mildly relativistic magnetized shocks in electron-ion plasmas II. Particle acceleration and heating. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 5065-5074.	4.4	14
5	Magnetic Field Amplification by the Weibel Instability at Planetary and Astrophysical Shocks with High Mach Number. <i>Physical Review Letters</i> , 2021, 126, 095101.	7.8	20
6	Mildly relativistic magnetized shocks in electron-ion plasmas I. Electromagnetic shock structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4837-4849.	4.4	8
7	Kinetic Simulations of Nonrelativistic Perpendicular Shocks of Young Supernova Remnants. III. Magnetic Reconnection. <i>Astrophysical Journal</i> , 2020, 893, 6.	4.5	26
8	Kinetic Simulation of Nonrelativistic Perpendicular Shocks of Young Supernova Remnants. IV. Electron Heating. <i>Astrophysical Journal</i> , 2020, 904, 12.	4.5	16
9	Kinetic Simulations of Nonrelativistic Perpendicular Shocks of Young Supernova Remnants. II. Influence of Shock-surfing Acceleration on Downstream Electron Spectra. <i>Astrophysical Journal</i> , 2019, 885, 10.	4.5	21
10	Kinetic Simulations of Nonrelativistic Perpendicular Shocks of Young Supernova Remnants. I. Electron Shock-surfing Acceleration. <i>Astrophysical Journal</i> , 2019, 878, 5.	4.5	24
11	Revisit of Nonlinear Landau Damping for Electrostatic Instability Driven by Blazar-induced Pair Beams. <i>Astrophysical Journal</i> , 2019, 873, 10.	4.5	14
12	The Impact of Particle Sorting on Particle-In-Cell Simulation Performance. <i>Lecture Notes in Computer Science</i> , 2018, , 156-165.	1.3	2
13	Electron Pre-acceleration at Nonrelativistic High-Mach-number Perpendicular Shocks. <i>Astrophysical Journal</i> , 2017, 847, 71.	4.5	37
14	Novel Analysis of the Multiwavelength Structure of the Relativistic Jet in Quasar 3C 273. <i>Astrophysical Journal</i> , 2017, 844, 11.	4.5	12
15	Spatio-temporal evolution of the non-resonant instability in shock precursors of young supernova remnants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4985-4998.	4.4	10
16	Nonrelativistic perpendicular shocks of young supernova remnants shock structure and particle injection processes. , 2017, , .		0
17	Magnetic turbulence amplification through nonresonant Bell's instability in shock precursors of young supernova remnants. , 2017, , .		0