

Andrey Saveliev

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

365
citations

840119

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h-index

794141

19
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24
all docs

24
docs citations

24
times ranked

556
citing authors

#	ARTICLE	IF	CITATIONS
1	Stringent Limit on Primordial Magnetic Fields from the Cosmic Microwave Background Radiation. <i>Physical Review Letters</i> , 2019, 123, 021301.	2.9	77
2	The Gamma-ray Window to Intergalactic Magnetism. <i>Universe</i> , 2021, 7, 223.	0.9	38
3	Evolution of helical cosmic magnetic fields as predicted by magnetohydrodynamic closure theory. <i>Physical Review D</i> , 2013, 87, .	1.6	36
4	Lorentz invariance violation and chemical composition of ultra high energy cosmic rays. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 046-046.	1.9	31
5	Time evolution of the large-scale tail of nonhelical primordial magnetic fields with back-reaction of the turbulent medium. <i>Physical Review D</i> , 2012, 86, .	1.6	30
6	Probing intergalactic magnetic fields with simulations of electromagnetic cascades. <i>Physical Review D</i> , 2016, 94, .	1.6	22
7	The Impact of Plasma Instabilities on the Spectra of TeV Blazars. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	18
8	Multimessenger Constraints on Intergalactic Magnetic Fields from the Flare of TXS 0506+056. <i>Astrophysical Journal Letters</i> , 2020, 902, L11.	3.0	17
9	Simulation of astrophysical phenomena on the basis of high-performance computations. <i>Doklady Mathematics</i> , 2017, 95, 68-71.	0.1	15
10	A Quasi-Gasdynamic Model for the Description of Magnetogasdynamic Phenomena. <i>Computational Mathematics and Mathematical Physics</i> , 2018, 58, 1384-1394.	0.2	14
11	Influence of the vacuum polarization effect on the motion of charged particles in the magnetic field around a Schwarzschild black hole. <i>Physical Review D</i> , 2019, 100, .	1.6	13
12	A kinetic model for magnetogasdynamics. <i>Mathematical Models and Computer Simulations</i> , 2017, 9, 544-553.	0.1	12
13	Novel kinetically consistent algorithm for magneto gas dynamics. <i>Applied Mathematics Letters</i> , 2017, 72, 75-81.	1.5	10
14	On the measurement of the helicity of intergalactic magnetic fields using ultra-high-energy cosmic rays. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 011-011.	1.9	8
15	Compact Quasi-Gasdynamic System for High-Performance Computations. <i>Computational Mathematics and Mathematical Physics</i> , 2019, 59, 493-500.	0.2	7
16	Kinetic Model and Magnetogasdynamics Equations. <i>Computational Mathematics and Mathematical Physics</i> , 2018, 58, 691-699.	0.2	5
17	The intrinsic gamma-ray spectrum of TXS 0506+056: intergalactic propagation effects. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2188-2195.	1.6	5
18	Kinetic Algorithms for Modeling Conductive Fluids Flow on High-Performance Computing Systems. <i>Doklady Mathematics</i> , 2019, 100, 577-581.	0.1	4

#	ARTICLE	IF	CITATIONS
19	Modeling of Galactic Wind Formation from Supernovae Using High-Performance Computations. Doklady Mathematics, 2018, 98, 396-400.	0.1	1
20	Modeling Problems of Magnetic Hydrodynamics Problems on High-Performance Computing Systems. Mathematical Models and Computer Simulations, 2021, 13, 631-637.	0.1	1
21	Morphological properties of blazar-induced gamma-ray haloes. , 2017, , .		1
22	Lorentz invariance violation and chemical composition of ultra-high energy cosmic rays. Journal of Physics: Conference Series, 2012, 375, 052013.	0.3	0
23	On the Complex-Valued Distribution Function of Charged Particles in Magnetic Fields. Mathematics, 2021, 9, 2382.	1.1	0
24	KINETIC MODELS AND ALGORITHMS FOR SOLUTION OF THE MAGNETOGASDYNAMIC PROBLEMS ON THE MODERN SUPERCOMPUTING SYSTEMS. , 2016, , .		0