Alexander G Tevzadze

List of Publications by Year
in descending order

27	982	471061 17	525886 27
papers	citations	h-index	g-index

28	28	28	469
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonhelical Inverse Transfer of a Decaying Turbulent Magnetic Field. Physical Review Letters, 2015, 114, 075001.	2.9	113
2	Evolution of primordial magnetic fields from phase transitions. Physical Review D, 2013, 87, .	1.6	110
3	Linear Mechanism of Wave Emergence from Vortices in Smooth Shear Flows. Physical Review Letters, 1997, 79, 3178-3181.	2.9	84
4	On hydrodynamic shear turbulence in Keplerian disks: Via transient growth to bypass transition. Astronomy and Astrophysics, 2003, 402, 401-407.	2.1	77
5	Evolution of hydromagnetic turbulence from the electroweak phase transition. Physical Review D, 2017, 96, .	1.6	70
6	MAGNETIC FIELDS FROM QCD PHASE TRANSITIONS. Astrophysical Journal, 2012, 759, 54.	1.6	65
7	Primordial magnetic field limits from cosmological data. Physical Review D, 2010, 82, .	1.6	64
8	On hydrodynamic shear turbulence in stratified Keplerian disks: Transient growth of small-scale 3D vortex mode perturbations. Astronomy and Astrophysics, 2003, 407, 779-786.	2.1	50
9	Magnetohydrodynamic waves linear evolution in parallel shear flows: Amplification and mutual transformations. Physics of Plasmas, 1997, 4, 259-269.	0.7	45
10	Numerical simulations of the decay of primordial magnetic turbulence. Physical Review D, 2010, 81, .	1.6	41
11	CONSTRAINING PRIMORDIAL MAGNETIC FIELDS THROUGH LARGE-SCALE STRUCTURE. Astrophysical Journal, 2013, 770, 47.	1.6	41
12	PHASE TRANSITION GENERATED COSMOLOGICAL MAGNETIC FIELD AT LARGE SCALES. Astrophysical Journal, 2011, 726, 78.	1.6	40
13	Evolution of inflation-generated magnetic field through phase transitions. Physical Review D, 2012, 86, .	1.6	38
14	Hydrodynamic stability and mode coupling in Keplerian flows: local strato-rotational analysis. Astronomy and Astrophysics, 2008, 478, 9-15.	2.1	28
15	Dynamo effect in decaying helical turbulence. Physical Review Fluids, 2019, 4, .	1.0	23
16	Scale-invariant helical magnetic field evolution and the duration of inflation. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 002-002.	1.9	22
17	The evolution of primordial magnetic fields since their generation. Physica Scripta, 2016, 91, 104008.	1.2	21
18	Linear coupling of modes in two-dimensional radially stratified astrophysical discs. Monthly Notices of the Royal Astronomical Society, 2010, 401, 901-912.	1.6	16

#	Article	IF	Citations
19	Emission of magnetosonic waves by vortices in high shear flows. Physics of Plasmas, 1998, 5, 1557-1559.	0.7	10
20	A comparative numerical analysis of linear and nonlinear aerodynamic sound generation by vortex disturbances in homentropic constant shear flows. Physics of Fluids, 2015, 27, .	1.6	5
21	Quantum witness and invasiveness of cosmic neutrino measurements. Physical Review D, 2021, 103, .	1.6	5
22	Discrete Coherent Amplification of Oscillations by Nonresonant Forcing. Physical Review Letters, 2000, 84, 1619-1622.	2.9	3
23	Fast magnetohydrodynamic oscillation of longitudinally inhomogeneous prominence threads: an analogue with quantum harmonic oscillator. Astronomy and Astrophysics, 2014, 565, A35.	2.1	3
24	Fire-hose instability of inhomogeneous plasma flows with heat fluxes. Physics of Plasmas, 2020, 27, 112901.	0.7	3
25	Overstability of acoustic waves in strongly magnetized anisotropic magnetohydrodynamic shear flows. Physics of Plasmas, 2014, 21, 082902.	0.7	2
26	Theoretical model of hydrodynamic jet formation from accretion disks with turbulent viscosity. Journal of High Energy Astrophysics, 2019, 23, 6-13.	2.4	2
27	Viscorotational shear instability of Keplerian granular flows. Physical Review E, 2017, 96, 010901.	0.8	1