Tina A Kahniashvili

List of Publications by Year
in descending order

68	3,216	117625	149698
papers	citations	34 h-index	56 g-index

70	70	70	1184
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolution of Primordial Magnetic Fields during Large-scale Structure Formation. Astrophysical Journal, 2022, 929, 127.	4.5	14
2	Polarization of gravitational waves from helical MHD turbulent sources. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 019.	5.4	13
3	Big Bang Nucleosynthesis Limits and Relic Gravitational-Wave Detection Prospects. Physical Review Letters, 2022, 128, .	7.8	8
4	Circular polarization of gravitational waves from early-Universe helical turbulence. Physical Review Research, 2021, 3, .	3.6	26
5	Relic Gravitational Waves from the Chiral Magnetic Effect. Astrophysical Journal, 2021, 911, 110.	4.5	23
6	Mass varying neutrinos with different quintessence potentials. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 018.	5.4	4
7	The scalar, vector, and tensor modes in gravitational wave turbulence simulations. Classical and Quantum Gravity, 2021, 38, 145002.	4.0	14
8	Can we observe the QCD phase transition-generated gravitational waves through pulsar timing arrays?. Physical Review D, 2021, 104, .	4.7	36
9	The timestep constraint in solving the gravitational wave equations sourced by hydromagnetic turbulence. Geophysical and Astrophysical Fluid Dynamics, 2020, 114, 130-161.	1.2	22
10	Primordial magnetic helicity evolution with a homogeneous magnetic field from inflation. Physical Review D, 2020, 102, .	4.7	14
11	Numerical simulations of gravitational waves from early-universe turbulence. Physical Review D, 2020, 102, .	4.7	70
12	E and B Polarizations from Inhomogeneous and Solar Surface Turbulence. Astrophysical Journal, 2019, 870, 87.	4.5	12
13	Dynamo effect in decaying helical turbulence. Physical Review Fluids, 2019, 4, .	2.5	23
14	The observational constraints on the flat $$phi $$CDM models. European Physical Journal C, 2018, 78, 773.	3.9	8
15	Magnetism in the Early Universe. Proceedings of the International Astronomical Union, 2018, 14, 295-298.	0.0	2
16	Statistical properties of scale-invariant helical magnetic fields and applications to cosmology. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 034-034.	5.4	16
17	Classes of Hydrodynamic and Magnetohydrodynamic Turbulent Decay. Physical Review Letters, 2017, 118, 055102.	7.8	101
18	The Turbulent Chiral Magnetic Cascade in the Early Universe. Astrophysical Journal Letters, 2017, 845, L21.	8.3	70

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19	Evolution of hydromagnetic turbulence from the electroweak phase transition. Physical Review D, 2017, 96, .	4.7	70
20	Scale-invariant helical magnetic field evolution and the duration of inflation. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 002-002.	5.4	22
21	The evolution of primordial magnetic fields since their generation. Physica Scripta, 2016, 91, 104008.	2.5	21
22	Polarized gravitational waves from cosmological phase transitions. Physical Review D, 2015, 92, .	4.7	43
23	Microwave background correlations from dipole anisotropy modulation. Physical Review D, 2015, 92, .	4.7	38
24	Cosmic expansion in extended quasidilaton massive gravity. Physical Review D, 2015, 91, .	4.7	22
25	Nonhelical Inverse Transfer of a Decaying Turbulent Magnetic Field. Physical Review Letters, 2015, 114, 075001.	7.8	113
26	Primordial magnetic helicity constraints from WMAP nine-year data. Physical Review D, 2014, 90, .	4.7	25
27	Growth rate in the dynamical dark energy models. European Physical Journal C, 2014, 74, 3127.	3.9	16
28	CONSTRAINING PRIMORDIAL MAGNETIC FIELDS THROUGH LARGE-SCALE STRUCTURE. Astrophysical Journal, 2013, 770, 47.	4.5	41
29	Evolution of primordial magnetic fields from phase transitions. Physical Review D, 2013, 87, .	4.7	110
30	MAGNETIC FIELDS FROM QCD PHASE TRANSITIONS. Astrophysical Journal, 2012, 759, 54.	4.5	65
31	Galaxy cluster number count data constraints on cosmological parameters. European Physical Journal C, 2012, 72, 1.	3.9	36
32	Evolution of inflation-generated magnetic field through phase transitions. Physical Review D, 2012, 86, .	4.7	38
33	Mass varying neutrinos, quintessence, and the accelerating expansion of the Universe. Physical Review D, 2011, 83, .	4.7	13
34	PHASE TRANSITION GENERATED COSMOLOGICAL MAGNETIC FIELD AT LARGE SCALES. Astrophysical Journal, 2011, 726, 78.	4.5	40
35	Signature of Local Motion in the Microwave Sky. Physical Review Letters, 2011, 106, 191301.	7.8	51
36	Primordial magnetic field limits from cosmological data. Physical Review D, 2010, 82, .	4.7	64

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37	Gravitational radiation generated by cosmological phase transition magnetic fields. Physical Review D, 2010, 81, .	4.7	91
38	Numerical simulations of the decay of primordial magnetic turbulence. Physical Review D, 2010, 81, .	4.7	41
39	Faraday rotation limits on a primordial magnetic field from Wilkinson Microwave Anisotropy Probe five-year data. Physical Review D, 2009, 80, .	4.7	64
40	Gravitational radiation from primordial helical inverse cascade magnetohydrodynamic turbulence. Physical Review D, 2008, 78, .	4.7	85
41	Testing Lorentz invariance violation with Wilkinson Microwave Anisotropy Probe five year data. Physical Review D, 2008, 78, .	4.7	52
42	CMB temperature anisotropy from broken spatial isotropy due to a homogeneous cosmological magnetic field. Physical Review D, 2008, 78, .	4.7	72
43	Gravitational Radiation from Primordial Helical Magnetohydrodynamic Turbulence. Physical Review Letters, 2008, 100, 231301.	7.8	29
44	Detectability of gravitational waves from phase transitions. Physical Review D, 2008, 78, .	4.7	88
45	Spectrum of gravitational radiation from primordial turbulence. Physical Review D, 2007, 76, .	4.7	142
46	Extra dimensions and Lorentz invariance violation. Physical Review D, 2007, 76, .	4.7	8
47	CMB anisotropies due to cosmological magnetosonic waves. Physical Review D, 2007, 75, .	4.7	51
48	Effects of primordial helicity on CMB. New Astronomy Reviews, 2006, 50, 1015-1019.	12.8	14
49	Gamma ray burst constraints on ultraviolet Lorentz invariance violation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 643, 81-85.	4.1	19
50	Effects of cosmological magnetic helicity on the CMB. Astronomische Nachrichten, 2006, 327, 414-417.	1.2	5
51	Detection of magnetic helicity. Physical Review D, 2006, 73, .	4.7	26
52	Cosmological magnetic fields vs. CMB. New Astronomy Reviews, 2005, 49, 79-82.	12.8	7
53	Polarized Cosmological Gravitational Waves from Primordial Helical Turbulence. Physical Review Letters, 2005, 95, 151301.	7.8	55
54	Effects of cosmological magnetic helicity on the cosmic microwave background. Physical Review D, 2005, 71, .	4.7	99

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55	Neutrino mass limit from galaxy cluster number density evolution. Physical Review D, 2005, 71, .	4.7	9
56	Faraday rotation of the cosmic microwave background polarization by a stochastic magnetic field. Physical Review D, 2005, 71, .	4.7	124
57	Cosmic microwave background and helical magnetic fields: The tensor mode. Physical Review D, 2004, 69, .	4.7	121
58	Looking for Cosmological Alfven Waves inWilkinson Microwave Anisotropy ProbeData. Astrophysical Journal, 2004, 611, 655-659.	4.5	50
59	Microwave background signatures of a primordial stochastic magnetic field. Physical Review D, 2002, 65, .	4.7	176
60	Gravitational radiation from cosmological turbulence. Physical Review D, 2002, 66, .	4.7	203
61	Abundance and evolution of galaxy clusters in cosmological models with massive neutrino. Astronomy and Astrophysics, 2002, 386, 775-783.	5.1	9
62	CMB signatures of a primordial magnetic field. AIP Conference Proceedings, 2001, , .	0.4	6
63	Tensor microwave anisotropies from a stochastic magnetic field. Physical Review D, 2000, 61, .	4.7	127
64	Microwave background anisotropies from AlfvÃ©n waves. Physical Review D, 1998, 58, .	4.7	90
65	Generation of the electrostatic field in the pulsar magnetosphere plasma. Physics of Plasmas, 1997, 4, 1132-1135.	1.9	3
66	On the kinematics of a corotating relativistic plasma stream in the perpendicular rotator model of a pulsar magnetosphere. Astrophysics and Space Science, 1996, 239, 57-64.	1.4	15
67	The formation of the spectrum of preglactic inhomogeneities in the CDM and HDM of the Universe. Astronomische Nachrichten, 1990, 311, 193-196.	1.2	0
68	Gravitational radiation from primordial helical inverse cascade magnetohydrodynamic turbulence. , 0, .		2