

Tina A Kahniashvili

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

2,630

citations

31

h-index

50

g-index

70

ext. papers

2,896

ext. citations

4.8

avg, IF

5.39

L-index

#	Paper	IF	Citations
67	Evolution of Primordial Magnetic Fields during Large-scale Structure Formation. <i>Astrophysical Journal</i> , 2022 , 929, 127	4.7	0
66	Polarization of gravitational waves from helical MHD turbulent sources. <i>Journal of Cosmology and Astroparticle Physics</i> , 2022 , 2022, 019	6.4	0
65	Relic Gravitational Waves from the Chiral Magnetic Effect. <i>Astrophysical Journal</i> , 2021 , 911, 110	4.7	10
64	Mass varying neutrinos with different quintessence potentials. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021 , 2021, 018	6.4	1
63	The scalar, vector, and tensor modes in gravitational wave turbulence simulations. <i>Classical and Quantum Gravity</i> , 2021 , 38, 145002	3.3	3
62	Circular polarization of gravitational waves from early-Universe helical turbulence. <i>Physical Review Research</i> , 2021 , 3,	3.9	11
61	Can we observe the QCD phase transition-generated gravitational waves through pulsar timing arrays?. <i>Physical Review D</i> , 2021 , 104,	4.9	14
60	Numerical simulations of gravitational waves from early-universe turbulence. <i>Physical Review D</i> , 2020 , 102,	4.9	28
59	The timestep constraint in solving the gravitational wave equations sourced by hydromagnetic turbulence. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2020 , 114, 130-161	1.4	11
58	Primordial magnetic helicity evolution with a homogeneous magnetic field from inflation. <i>Physical Review D</i> , 2020 , 102,	4.9	9
57	E and B Polarizations from Inhomogeneous and Solar Surface Turbulence. <i>Astrophysical Journal</i> , 2019 , 870, 87	4.7	10
56	Dynamo effect in decaying helical turbulence. <i>Physical Review Fluids</i> , 2019 , 4,	2.8	15
55	Statistical properties of scale-invariant helical magnetic fields and applications to cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018 , 2018, 034-034	6.4	13
54	The observational constraints on the flat CDM models. <i>European Physical Journal C</i> , 2018 , 78, 773	4.2	6
53	Magnetism in the Early Universe. <i>Proceedings of the International Astronomical Union</i> , 2018 , 14, 295-298	0.1	2
52	Classes of Hydrodynamic and Magnetohydrodynamic Turbulent Decay. <i>Physical Review Letters</i> , 2017 , 118, 055102	7.4	76
51	The Turbulent Chiral Magnetic Cascade in the Early Universe. <i>Astrophysical Journal Letters</i> , 2017 , 845, L21	7.9	44

50	Evolution of hydromagnetic turbulence from the electroweak phase transition. <i>Physical Review D</i> , 2017 , 96,	4.9	44
49	Scale-invariant helical magnetic field evolution and the duration of inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017 , 2017, 002-002	6.4	20
48	The evolution of primordial magnetic fields since their generation. <i>Physica Scripta</i> , 2016 , 91, 104008	2.6	19
47	Nonhelical inverse transfer of a decaying turbulent magnetic field. <i>Physical Review Letters</i> , 2015 , 114, 075001	7.4	91
46	Polarized gravitational waves from cosmological phase transitions. <i>Physical Review D</i> , 2015 , 92,	4.9	29
45	Microwave background correlations from dipole anisotropy modulation. <i>Physical Review D</i> , 2015 , 92,	4.9	35
44	Cosmic expansion in extended quasidilaton massive gravity. <i>Physical Review D</i> , 2015 , 91,	4.9	16
43	Growth rate in the dynamical dark energy models. <i>European Physical Journal C</i> , 2014 , 74, 3127	4.2	15
42	Primordial magnetic helicity constraints from WMAP nine-year data. <i>Physical Review D</i> , 2014 , 90,	4.9	25
41	CONSTRAINING PRIMORDIAL MAGNETIC FIELDS THROUGH LARGE-SCALE STRUCTURE. <i>Astrophysical Journal</i> , 2013 , 770, 47	4.7	34
40	Evolution of primordial magnetic fields from phase transitions. <i>Physical Review D</i> , 2013 , 87,	4.9	92
39	Galaxy cluster number count data constraints on cosmological parameters. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	33
38	Evolution of inflation-generated magnetic field through phase transitions. <i>Physical Review D</i> , 2012 , 86,	4.9	38
37	MAGNETIC FIELDS FROM QCD PHASE TRANSITIONS. <i>Astrophysical Journal</i> , 2012 , 759, 54	4.7	54
36	PHASE TRANSITION GENERATED COSMOLOGICAL MAGNETIC FIELD AT LARGE SCALES. <i>Astrophysical Journal</i> , 2011 , 726, 78	4.7	36
35	Mass varying neutrinos, quintessence, and the accelerating expansion of the Universe. <i>Physical Review D</i> , 2011 , 83,	4.9	7
34	Signature of local motion in the microwave sky. <i>Physical Review Letters</i> , 2011 , 106, 191301	7.4	48
33	Primordial magnetic field limits from cosmological data. <i>Physical Review D</i> , 2010 , 82,	4.9	57

32	Gravitational radiation generated by cosmological phase transition magnetic fields. <i>Physical Review D</i> , 2010 , 81,	4.9	66
31	Numerical simulations of the decay of primordial magnetic turbulence. <i>Physical Review D</i> , 2010 , 81,	4.9	36
30	Faraday rotation limits on a primordial magnetic field from Wilkinson Microwave Anisotropy Probe five-year data. <i>Physical Review D</i> , 2009 , 80,	4.9	61
29	Gravitational radiation from primordial helical inverse cascade magnetohydrodynamic turbulence. <i>Physical Review D</i> , 2008 , 78,	4.9	60
28	Testing Lorentz invariance violation with Wilkinson Microwave Anisotropy Probe five year data. <i>Physical Review D</i> , 2008 , 78,	4.9	49
27	CMB temperature anisotropy from broken spatial isotropy due to a homogeneous cosmological magnetic field. <i>Physical Review D</i> , 2008 , 78,	4.9	69
26	Gravitational radiation from primordial helical magnetohydrodynamic turbulence. <i>Physical Review Letters</i> , 2008 , 100, 231301	7.4	27
25	Detectability of gravitational waves from phase transitions. <i>Physical Review D</i> , 2008 , 78,	4.9	69
24	Spectrum of gravitational radiation from primordial turbulence. <i>Physical Review D</i> , 2007 , 76,	4.9	115
23	Extra dimensions and Lorentz invariance violation. <i>Physical Review D</i> , 2007 , 76,	4.9	7
22	CMB anisotropies due to cosmological magnetosonic waves. <i>Physical Review D</i> , 2007 , 75,	4.9	48
21	Effects of cosmological magnetic helicity on the CMB. <i>Astronomische Nachrichten</i> , 2006 , 327, 414-417	0.7	5
20	Detection of magnetic helicity. <i>Physical Review D</i> , 2006 , 73,	4.9	21
19	Effects of primordial helicity on CMB. <i>New Astronomy Reviews</i> , 2006 , 50, 1015-1019	7.9	13
18	Gamma ray burst constraints on ultraviolet Lorentz invariance violation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 643, 81-85	4.2	18
17	Effects of cosmological magnetic helicity on the cosmic microwave background. <i>Physical Review D</i> , 2005 , 71,	4.9	93
16	Neutrino mass limit from galaxy cluster number density evolution. <i>Physical Review D</i> , 2005 , 71,	4.9	8
15	Faraday rotation of the cosmic microwave background polarization by a stochastic magnetic field. <i>Physical Review D</i> , 2005 , 71,	4.9	114

14	Cosmological magnetic fields vs. CMB. <i>New Astronomy Reviews</i> , 2005 , 49, 79-82	7.9	7
13	Polarized cosmological gravitational waves from primordial helical turbulence. <i>Physical Review Letters</i> , 2005 , 95, 151301	7.4	46
12	Cosmic microwave background and helical magnetic fields: The tensor mode. <i>Physical Review D</i> , 2004 , 69,	4.9	111
11	Looking for Cosmological Alfvén Waves in Wilkinson Microwave Anisotropy Probe Data. <i>Astrophysical Journal</i> , 2004 , 611, 655-659	4.7	49
10	Abundance and evolution of galaxy clusters in cosmological models with massive neutrino. <i>Astronomy and Astrophysics</i> , 2002 , 386, 775-783	5.1	9
9	Microwave background signatures of a primordial stochastic magnetic field. <i>Physical Review D</i> , 2002 , 65,	4.9	163
8	Gravitational radiation from cosmological turbulence. <i>Physical Review D</i> , 2002 , 66,	4.9	170
7	CMB signatures of a primordial magnetic field. <i>AIP Conference Proceedings</i> , 2001 ,	0	5
6	Tensor microwave anisotropies from a stochastic magnetic field. <i>Physical Review D</i> , 2000 , 61,	4.9	122
5	Microwave background anisotropies from Alfvén waves. <i>Physical Review D</i> , 1998 , 58,	4.9	86
4	Generation of the electrostatic field in the pulsar magnetosphere plasma. <i>Physics of Plasmas</i> , 1997 , 4, 1132-1135	2.1	3
3	On the kinematics of a corotating relativistic plasma stream in the perpendicular rotator model of a pulsar magnetosphere. <i>Astrophysics and Space Science</i> , 1996 , 239, 57-64	1.6	15
2	The formation of the spectrum of pregalactic inhomogeneities in the CDM and HDM of the Universe. <i>Astronomische Nachrichten</i> , 1990 , 311, 193-196	0.7	
1	Gravitational radiation from primordial helical inverse cascade magnetohydrodynamic turbulence		2