

Elena V Arbuzova

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

285
citations

1040056

9
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888059

17
g-index

26
all docs

26
docs citations

26
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmological evolution in R^2 gravity. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 049-049.	5.4	75
2	Explosive phenomena in modified gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 289-293.	4.1	53
3	Jeans instability in classical and modified gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 279-284.	4.1	25
4	General properties and kinetics of spontaneous baryogenesis. Physical Review D, 2016, 94, .	4.7	23
5	Curvature oscillations in modified gravity and high energy cosmic rays. European Physical Journal C, 2012, 72, 1.	3.9	19
6	Spherically symmetric solutions in R^2 gravity. <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.c</small>	4.3	16
7	Astr Particle production in R^2 gravity during structure formation. Physical Review D, 2013, 88, .	4.7	12
8	Intrinsic problems of the gravitational baryogenesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 171-175.	4.1	12
9	Distortion of the standard cosmology in R^2 theory. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 019-019.	5.4	12
10	Dark matter in R^2 cosmology. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 014-014.	5.4	8
11	Instability of gravitational baryogenesis with fermions. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 001-001.	5.4	7
12	R^2 -Cosmology and New Windows for Superheavy Dark Matter. Symmetry, 2021, 13, 877.	2.2	6
13	Gravitational instability in oscillating background. Physical Review D, 2015, 92, .	4.7	5
14	Cosmic ray production in modified gravity. European Physical Journal C, 2018, 78, 1.	3.9	3
15	Neutrino spin dynamics in dense matter and electromagnetic field. Physics of Atomic Nuclei, 2009, 72, 141-146.	0.4	2
16	Modified gravity in contemporary universe. Physics of Particles and Nuclei, 2013, 44, 204-212.	0.7	2
17	Gravitational Baryogenesis Revised. Physics of Particles and Nuclei Letters, 2018, 15, 348-352.	0.4	2
18	High frequency curvature oscillations in $F(R)$ gravity. Gravitation and Cosmology, 2016, 22, 122-137.	1.1	1

#	ARTICLE	IF	CITATIONS
19	Spontaneous and gravitational baryogenesis. International Journal of Modern Physics A, 2018, 33, 1844023.	1.5	1
20	Superheavy dark matter in R2-cosmology. International Journal of Modern Physics D, 0, , 2140002.	2.1	1
21	Operators of observables for a neutral particle with anomalous magnetic moment in an electromagnetic field. Moscow University Physics Bulletin (English Translation of Vestnik Tj ETQq1 1 0.784314 rgBT.4Overlook 10 Tf 50	0.784314	0
22	MODIFIED GRAVITY AND GRAVITATIONAL REPULSION. , 2015, , .		0
23	Kinetics of spontaneous baryogenesis in non-stationary background. EPJ Web of Conferences, 2016, 125, 03002.	0.3	0
24	General features of spontaneous baryogenesis. EPJ Web of Conferences, 2017, 142, 01003.	0.3	0
25	GRAVITATIONAL INSTABILITY IN NON-STATIONARY EXTERNAL FIELDS. , 2017, , 316-319.		0