

Alexei Starobinski

List of Publications by Year in descending order

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163
papers

29,380
citations

13099

68
h-index

6654

156
g-index

165
all docs

165
docs citations

165
times ranked

5340
citing authors

#	ARTICLE	IF	CITATIONS
1	Massive scalar field in de Sitter spacetime: a two-loop calculation and a comparison with the stochastic approach. <i>European Physical Journal C</i> , 2022, 82, 1.	3.9	9
2	Curing inflationary degeneracies using reheating predictions and relic gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 075.	5.4	21
3	Anisotropic cosmological models in Horndeski gravity. <i>Physical Review D</i> , 2021, 103, .	4.7	11
4	Editorial to the Special Issue "Selected Papers from the 17th Russian Gravitational Conference" International Conference on Gravitation, Cosmology and Astrophysics (RUSGRAV-17) Universe, 2021, 7, 296.	2.5	0
5	Inflation story: slow-roll and beyond. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 038.	5.4	10
6	Scalar-tensor theories of gravity, neutrino physics, and the H_0 tension. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 044-044.	5.4	68
7	Generating PBHs and small-scale GWs in two-field models of inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 001-001.	5.4	129
8	Global properties of the growth index: Mathematical aspects and physical relevance. <i>Physical Review D</i> , 2020, 101, .	4.7	6
9	Defying the laws of gravity I: model-independent reconstruction of the Universe expansion from growth data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 819-826.	4.4	14
10	Anisotropy screening in Horndeski cosmologies. <i>Physical Review D</i> , 2020, 101, .	4.7	24
11	Constraints on features in the inflationary potential from future Euclid data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3448-3468.	4.4	14
12	Non-Gaussianities and tensor-to-scalar ratio in non-local R^2 -like inflation. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	33
13	Analytic infinite derivative gravity, R^2 -like inflation, quantum gravity and CMB. <i>International Journal of Modern Physics D</i> , 2020, 29, 2043018.	2.1	17
14	Global properties of the growth index of matter inhomogeneities in the Universe. <i>Physical Review D</i> , 2019, 100, .	4.7	9
15	On the violent preheating in the mixed Higgs- R^2 inflationary model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 791, 36-42.	4.1	49
16	Energy-momentum tensor and helicity for gauge fields coupled to a pseudoscalar inflaton. <i>Physical Review D</i> , 2019, 100, .	4.7	15
17	Cosmological constraints on post-Newtonian parameters in effectively massless scalar-tensor theories of gravity. <i>Physical Review D</i> , 2019, 100, .	4.7	51
18	Constant-roll inflation in scalar-tensor gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 025-025.	5.4	36

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19	Revisiting Metastable Dark Energy and Tensions in the Estimation of Cosmological Parameters. <i>Astrophysical Journal</i> , 2019, 887, 153.	4.5	28
20	Pauliâ€Zeldovich cancellation of the vacuum energy divergences, auxiliary fields and supersymmetry. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	11
21	Metastable dark energy with radioactive-like decay. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 473, 2760-2770.	4.4	36
22	Probing features in inflaton potential and reionization history with future CMB space observations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 017-017.	5.4	24
23	Induced gravity and minimally and conformally coupled scalar fields in Bianchi-I cosmological models. <i>Physical Review D</i> , 2018, 97, .	4.7	24
24	R2 inflation to probe non-perturbative quantum gravity. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	57
25	Probing features in the primordial perturbation spectrum with large-scale structure data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2503-2512.	4.4	21
26	Duality between static spherically or hyperbolically symmetric solutions and cosmological solutions in scalar-tensor gravity. <i>Physical Review D</i> , 2018, 98, .	4.7	27
27	On higher derivative corrections to the $R + R^2$ inflationary model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 007-007.	5.4	30
28	Inflation in the mixed Higgs- R^2 model. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 064-064.	5.4	80
29	Falsifying Λ CDM : Model-independent tests of the concordance model with eBOSS DR14Q and Pantheon. <i>Physical Review D</i> , 2018, 98, .	4.7	44
30	Anisotropic cosmological solutions in $R + R^2$ gravity. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	43
31	Stochastic dark energy from inflationary quantum fluctuations. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	23
32	Inflation in an effective gravitational model and asymptotic safety. <i>Physical Review D</i> , 2018, 98, .	4.7	39
33	Constant-roll inflation: Confrontation with recent observational data. <i>Europhysics Letters</i> , 2017, 117, 39001.	2.0	78
34	Observational constraints on successful model of quintessential Inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 011-011.	5.4	70
35	$f(R)$ constant-roll inflation. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	85
36	Occurrence of exact R^2 inflation in non-local UV-complete gravity. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	92

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37	When is the growth index constant?. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 037-037.	5.4	24
38	From stable to unstable anomaly-induced inflation. European Physical Journal C, 2016, 76, 1.	3.9	44
39	The screening Horndeski cosmologies. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 007-007.	5.4	53
40	Primordial features and Planck polarization. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 009-009.	5.4	35
41	Correlation functions in stochastic inflation. European Physical Journal C, 2015, 75, 1.	3.9	151
42	Bouncing universes in scalar-tensor gravity models admitting negative potentials. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 002-002.	5.4	41
43	Cosmology based on $f(R)$ gravity with ~ 1 eV sterile neutrino. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 004-004.	5.4	13
44	Inflation with a constant rate of roll. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 018-018.	5.4	185
45	Ruling out the power-law form of the scalar primordial spectrum. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 061-061.	5.4	36
46	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	5.4	138
47	Inflation with Whip-Shaped Suppressed Scalar Power Spectra. Physical Review Letters, 2014, 113, 071301.	7.8	56
48	Wiggly whipped inflation. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 048-048.	5.4	69
49	MODEL-INDEPENDENT EVIDENCE FOR DARK ENERGY EVOLUTION FROM BARYON ACOUSTIC OSCILLATIONS. Astrophysical Journal Letters, 2014, 793, L40.	8.3	193
50	Non-perturbative effects of primordial curvature perturbations on the apparent value of a cosmological constant. Europhysics Letters, 2014, 106, 69002.	2.0	11
51	Searching for systematics in SNIa and galaxy cluster data using the cosmic duality relation. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 042-042.	5.4	16
52	Cosmology Based on $f(R)$ gravity with ~ 1 eV sterile neutrino. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 121-121.	5.4	62
53	Searching for hidden mirror symmetries in CMB fluctuations from WMAP 7 year maps. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 049-049.	5.4	15
54	Inflation and nonminimal scalar-curvature coupling in gravity and supergravity. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 022-022.	5.4	75

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55	Stochastic growth of quantum fluctuations during slow-roll inflation. , 2012, , .		2
56	f(R) COSMOLOGY AND MASSIVE NEUTRINOS. International Journal of Modern Physics Conference Series, 2012, 10, 35-42.	0.7	3
57	Higgs boson, renormalization group, and naturalness in cosmology. European Physical Journal C, 2012, 72, 1.	3.9	150
58	Effects of inhomogeneities on apparent cosmological observables: Λ -evolving dark energy. European Physical Journal C, 2012, 72, 1.	3.9	28
59	New null diagnostic customized for reconstructing the properties of dark energy from baryon acoustic oscillations data. Physical Review D, 2012, 86, .	4.7	57
60	Editorial note to: Matvei P. Bronstein, Quantum theory of weak gravitational fields. General Relativity and Gravitation, 2012, 44, 263-265.	2.0	7
61	ASYMPTOTIC FREEDOM IN INFLATIONARY COSMOLOGY WITH A NON-MINIMALLY COUPLED HIGGS FIELD. , 2012, , .		0
62	Auxiliary fields representation for modified gravity models. Physical Review D, 2011, 83, .	4.7	24
63	Embedding R^2 in supergravity. Physical Review D, 2011, 83, .		
64	The cosmic web for density perturbations of various scales. Astronomy and Astrophysics, 2011, 531, A149.	5.1	27
65	Towards understanding the structure of voids in the cosmic web. Astronomy and Astrophysics, 2011, 534, A128.	5.1	39
66	Future oscillations around phantom divide in $f(R)$ gravity. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 006-006.	5.4	40
67	Cosmological constant from decoherence. Classical and Quantum Gravity, 2011, 28, 125022.	4.0	17
68	f(R) GRAVITY AND ITS COSMOLOGICAL IMPLICATIONS. International Journal of Modern Physics D, 2011, 20, 1347-1355.	2.1	28
69	ANALYTIC SOLUTION FOR MATTER DENSITY FLUCTUATIONS IN $f(R)$ MODELS OF COSMIC ACCELERATION. , 2010, , .		0
70	Notes on wormhole existence in scalar-tensor and $F(R)$ gravity. Gravitation and Cosmology, 2010, 16, 216-222.	1.1	100
71	Presently decaying dark energy?. Annalen Der Physik, 2010, 19, 316-319.	2.4	6
72	Curing singularities in cosmological evolution of $F(R)$ gravity. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 005-005.	5.4	195

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73	Tentative evidence for slowing down of cosmic acceleration from recent small redshift supernovae and BAO data. , 2010, , .		4
74	Stochastic growth of quantum fluctuations during slow-roll inflation. Physical Review D, 2010, 82, .	4.7	102
75	Phantom Boundary Crossing and Anomalous Growth Index of Fluctuations in Viable $f(R)$ Models of Cosmic Acceleration. Progress of Theoretical Physics, 2010, 123, 887-902.	2.0	73
76	Matter Power Spectrum in $f(R)$ Gravity with Massive Neutrinos. Progress of Theoretical Physics, 2010, 124, 541-546.	2.0	33
77	Signatures of a graviton mass in the cosmic microwave background. Physical Review D, 2010, 81, .	4.7	41
78	ANALYTIC SOLUTION FOR MATTER DENSITY PERTURBATIONS IN A CLASS OF VIABLE COSMOLOGICAL $f(R)$ MODELS. International Journal of Modern Physics D, 2009, 18, 1731-1740.	2.1	50
79	ONCE AGAIN ON THIN-SHELL WORMHOLES IN SCALAR- ϵ -TENSOR GRAVITY. Modern Physics Letters A, 2009, 24, 1559-1564.	1.2	26
80	Asymptotic freedom in inflationary cosmology with a non-minimally coupled Higgs field. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 003-003.	5.4	211
81	Is a step in the primordial spectral index favoured by CMB data?. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 028-028.	5.4	67
82	More about the Tolman-Oppenheimer-Volkoff equations for the generalized Chaplygin gas. Physical Review D, 2009, 80, .	4.7	32
83	Is cosmic acceleration slowing down?. Physical Review D, 2009, 80, .	4.7	155
84	Generation of fluctuations during inflation: Comparison of stochastic and field-theoretic approaches. Physical Review D, 2009, 79, .	4.7	136
85	RECONSTRUCTING COSMOLOGICAL MATTER PERTURBATIONS USING STANDARD CANDLES AND RULERS. Astrophysical Journal, 2009, 704, 1086-1097.	4.5	19
86	New universal local feature in the inflationary perturbation spectrum. Physical Review D, 2008, 77, .	4.7	110
87	Two new diagnostics of dark energy. Physical Review D, 2008, 78, .	4.7	438
88	Tolman-Oppenheimer-Volkoff equations in the presence of the Chaplygin gas: Stars and wormholelike solutions. Physical Review D, 2008, 78, .	4.7	61
89	Inflation scenario via the Standard Model Higgs boson and LHC. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 021.	5.4	287
90	What do WMAP and SDSS really tell us about inflation?. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 010.	5.4	35

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91	Gauge-invariant analysis of perturbations in Chaplygin gas unified models of dark matter and dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2008, 2008, 016.	5.4	92
92	Large scale plane-mirroring in the cosmic microwave background WMAP5 maps. <i>Astronomy and Astrophysics</i> , 2008, 490, 929-932.	5.1	16
93	RECONSTRUCTION OF DARK ENERGY USING SUPERNOVA AND OTHER DATASETS. , 2008, , .		0
94	ON AXIAL AND PLANE-MIRROR INHOMOGENEITIES IN THE WMAP3 COSMIC MICROWAVE BACKGROUND MAPS. <i>Modern Physics Letters A</i> , 2007, 22, 2955-2964.	1.2	9
95	Trans-Planckian wimpzillas. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 005-005.	5.4	35
96	Exploring the properties of dark energy using type-Ia supernovae and other datasets. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 011-011.	5.4	94
97	Pointer states for primordial fluctuations in inflationary cosmology. <i>Classical and Quantum Gravity</i> , 2007, 24, 1699-1718.	4.0	119
98	Origin of classical structure in the Universe. <i>Journal of Physics: Conference Series</i> , 2007, 67, 012023.	0.4	13
99	Archeops in-flight performance, data processing, and map making. <i>Astronomy and Astrophysics</i> , 2007, 467, 1313-1344.	5.1	24
100	No realistic wormholes from ghost-free scalar-tensor phantom dark energy. <i>JETP Letters</i> , 2007, 85, 1-5.	1.4	83
101	Disappearing cosmological constant in $f(R)$ gravity. <i>JETP Letters</i> , 2007, 86, 157-163.	1.4	1,030
102	RECONSTRUCTING DARK ENERGY. <i>International Journal of Modern Physics D</i> , 2006, 15, 2105-2132.	2.1	620
103	Smoothing supernova data to reconstruct the expansion history of the Universe and its age. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 366, 1081-1095.	4.4	158
104	Scalar-tensor models of normal and phantom dark energy. <i>Journal of Cosmology and Astroparticle Physics</i> , 2006, 2006, 016-016.	5.4	193
105	Inflaton field potential producing an exactly flat spectrum of adiabatic perturbations. <i>JETP Letters</i> , 2005, 82, 169-173.	1.4	66
106	Stability properties of some perfect fluid cosmological models. <i>Physical Review D</i> , 2005, 72, .	4.7	75
107	The case for dynamical dark energy revisited. <i>Journal of Cosmology and Astroparticle Physics</i> , 2004, 2004, 008-008.	5.4	345
108	Multidimensional cosmological models: Cosmological and astrophysical implications and constraints. <i>Physical Review D</i> , 2004, 69, .	4.7	31

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109	Is there supernova evidence for dark energy metamorphosis?. Monthly Notices of the Royal Astronomical Society, 2004, 354, 275-291.	4.4	395
110	First detection of polarization of the submillimetre diffuse galactic dust emission by Archeops. Astronomy and Astrophysics, 2004, 424, 571-582.	5.1	93
111	Exploring the expanding Universe and dark energy using the statefinder diagnostic. Monthly Notices of the Royal Astronomical Society, 2003, 344, 1057-1074.	4.4	663
112	Statefinder – A new geometrical diagnostic of dark energy. JETP Letters, 2003, 77, 201-206.	1.4	1,037
113	Can dark energy be decaying?. Journal of Cosmology and Astroparticle Physics, 2003, 2003, 002-002.	5.4	52
114	Caustics in Tachyon Matter and Other Born-Infeld Scalars. Journal of High Energy Physics, 2002, 2002, 026-026.	4.7	139
115	Comment about quasi-isotropic solution of Einstein equations near the cosmological singularity. Classical and Quantum Gravity, 2002, 19, 3845-3849.	4.0	35
116	Prospects and problems of tachyon matter cosmology. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 545, 8-16.	4.1	239
117	Trans-Planckian particle creation in cosmology and ultrahigh energy cosmic rays. JETP Letters, 2002, 76, 235-239.	1.4	63
118	Cosmological perturbations from multi-field inflation in generalized Einstein theories. Nuclear Physics B, 2001, 610, 383-410.	2.5	134
119	Observational Matter Power Spectrum and the Height of the Second Acoustic Peak. Astrophysical Journal, 2001, 559, 1-8.	4.5	7
120	Robustness of the inflationary perturbation spectrum to trans-Planckian physics. JETP Letters, 2001, 73, 371-374.	1.4	163
121	THE CASE FOR A POSITIVE COSMOLOGICAL $\hat{\Lambda}$ -TERM. International Journal of Modern Physics D, 2000, 09, 373-443.	2.1	2,139
122	FUTURE AND ORIGIN OF OUR UNIVERSE: MODERN VIEW. , 2000, , .		8
123	Reconstructing the Cosmic Equation of State from Supernova Distances. Physical Review Letters, 2000, 85, 1162-1165.	7.8	334
124	Reconstruction of a Scalar-Tensor Theory of Gravity in an Accelerating Universe. Physical Review Letters, 2000, 85, 2236-2239.	7.8	755
125	Entropy of gravitons produced in the early universe. Physical Review D, 2000, 62, .	4.7	58
126	Sine-Gordon parametric resonance. Nuclear Physics B, 1999, 543, 423-443.	2.5	32

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127	Steps toward the Power Spectrum of Matter. III. The Primordial Spectrum. <i>Astrophysical Journal</i> , 1999, 519, 469-478.	4.5	10
128	How to determine an effective potential for a variable cosmological term. <i>JETP Letters</i> , 1998, 68, 757-763.	1.4	263
129	CDM models with a BSI step-like primordial spectrum and a cosmological constant. <i>Monthly Notices of the Royal Astronomical Society</i> , 1998, 297, 769-776.	4.4	61
130	QUANTUM-TO-CLASSICAL TRANSITION FOR FLUCTUATIONS IN THE EARLY UNIVERSE. <i>International Journal of Modern Physics D</i> , 1998, 07, 455-462.	2.1	200
131	The coherence of primordial fluctuations produced during inflation. <i>Classical and Quantum Gravity</i> , 1998, 15, L67-L72.	4.0	58
132	On the phase-space volume of primordial cosmological perturbations. <i>Classical and Quantum Gravity</i> , 1997, 14, 881-888.	4.0	11
133	Structure of resonance in preheating after inflation. <i>Physical Review D</i> , 1997, 56, 6175-6192.	4.7	344
134	The supercluster-void network - II. An oscillating cluster correlation function. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 289, 801-812.	4.4	46
135	Towards the theory of reheating after inflation. <i>Physical Review D</i> , 1997, 56, 3258-3295.	4.7	1,499
136	A 120-Mpc periodicity in the three-dimensional distribution of galaxy superclusters. <i>Nature</i> , 1997, 385, 139-141.	27.8	138
137	A built-in scale in the initial spectrum of density perturbations: Evidence from cluster and CMB data. <i>JETP Letters</i> , 1997, 66, 397-403.	1.4	13
138	Nonthermal Phase Transitions after Inflation. <i>Physical Review Letters</i> , 1996, 76, 1011-1014.	7.8	249
139	Semiclassicality and decoherence of cosmological perturbations. <i>Classical and Quantum Gravity</i> , 1996, 13, 377-391.	4.0	472
140	Can the Lack of Symmetry in the COBE DMR Maps Constrain the Topology of the Universe?. <i>Astrophysical Journal</i> , 1996, 468, 457.	4.5	71
141	Structure of primordial gravitational waves spectrum in a double inflationary model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 356, 196-204.	4.1	67
142	Mixed Cold-Hot Dark Matter Model with Falling and Quasi-flat Initial Perturbation Spectra. <i>Astrophysical Journal</i> , 1995, 447, 465.	4.5	30
143	Skewness of Cosmic Microwave Background Temperature Fluctuations Due to Nonlinear Gravitational Instability. <i>Astrophysical Journal</i> , 1995, 454, 552.	4.5	42
144	Comparison of double-inflationary models with observations. <i>Physical Review D</i> , 1994, 50, 4827-4834.	4.7	26

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145	Equilibrium state of a self-interacting scalar field in the de Sitter background. <i>Physical Review D</i> , 1994, 50, 6357-6368.	4.7	538
146	Reheating after Inflation. <i>Physical Review Letters</i> , 1994, 73, 3195-3198.	7.8	1,395
147	Isocurvature perturbations in multiple inflationary models. <i>Physical Review D</i> , 1994, 50, 6123-6129.	4.7	160
148	Nonlinear approximations to gravitational instability: A comparison in second-order perturbation theory. <i>Astrophysical Journal</i> , 1994, 428, 433.	4.5	14
149	Confrontation of a double inflationary cosmological model with observations. <i>Astrophysical Journal</i> , 1994, 434, 417.	4.5	29
150	Nonlinear approximations to gravitational instability: A comparison in the quasi-linear regime. <i>Astrophysical Journal</i> , 1994, 436, 517.	4.5	63
151	Spectra of perturbations produced by double inflation with an intermediate matter-dominated stage. <i>Nuclear Physics B</i> , 1992, 385, 623-650.	2.5	215
152	Analysis of inflation driven by a scalar field and a curvature-squared term. <i>Physical Review D</i> , 1991, 43, 2510-2520.	4.7	68
153	Sixth-order gravity and conformal transformations. <i>Classical and Quantum Gravity</i> , 1990, 7, 893-900.	4.0	144
154	Power-law inflation as an attractor solution for inhomogeneous cosmological models. <i>Classical and Quantum Gravity</i> , 1990, 7, 1163-1168.	4.0	130
155	The stability of the de Sitter space-time in fourth order gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 202, 198-200.	4.1	114
156	On a general vacuum solution of fourth-order gravity. <i>Classical and Quantum Gravity</i> , 1987, 4, 695-702.	4.0	116
157	Instability of a scalar field in a geometry with anisotropic inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 188, 399-402.	4.1	7
158	Inflationary universe generated by the combined action of a scalar field and gravitational vacuum polarization. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 157, 361-367.	4.1	255
159	Dynamics of phase transition in the new inflationary universe scenario and generation of perturbations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1982, 117, 175-178.	4.1	2,105
160	A new type of isotropic cosmological models without singularity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1980, 91, 99-102.	4.1	5,638
161	Final state of the evolution of the interior of a charged black hole. <i>Physical Review D</i> , 1979, 20, 1260-1270.	4.7	70
162	Evolution of scalar perturbations near the Cauchy horizon of a charged black hole. <i>Physical Review D</i> , 1979, 19, 413-420.	4.7	86

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163	Quantum effects and evolution of cosmological models. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1976, 35, 293-307.	0.2	58