

Maurizio Gasperini

List of Publications by Year in descending order

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190
papers

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66250

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201
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201
docs citations

201
times ranked

2218
citing authors

#	ARTICLE	IF	CITATIONS
1	From pre- to post-big bang: an (almost) self-dual cosmological history. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	1.6	3
2	Quantum String Cosmology. Universe, 2021, 7, 14.	0.9	6
3	Linearized propagation equations for metric fluctuations in a general (non-vacuum) background geometry. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 021.	1.9	4
4	Comparing the luminosity distance for gravitational waves and electromagnetic signals in a simple model of quadratic gravity. General Relativity and Gravitation, 2020, 52, 1.	0.7	7
5	Primordial black holes from pre-big bang inflation. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 031-031.	1.9	4
6	Generalized covariant prescriptions for averaging cosmological observables. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 017-017.	1.9	20
7	Observation angles, Fermi coordinates, and the Geodesic-Light-Cone gauge. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 004-004.	1.9	10
8	Stringy black-hole gas in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msup} \langle \text{mml:mi} \rangle \pm \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\epsilon}^2 \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ -corrected dilaton gravity. Physical Review D, 2018, 98, .	1.6	16
9	On the initial regime of pre-big bang cosmology. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 001-001.	1.9	6
10	Constraints on the production of primordial magnetic seeds in pre-big bang cosmology. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 017-017.	1.9	9
11	Observable gravitational waves in pre-big bang cosmology: an update. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 010-010.	1.9	25
12	Time of flight of ultra-relativistic particles in a realistic Universe: A viable tool for fundamental physics?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 505-509.	1.5	13
13	Do alien particles exist, and can they be detected?. International Journal of Modern Physics D, 2016, 25, 1630030.	0.9	0
14	Cosmology and short-distance gravity. International Journal of Modern Physics D, 2015, 24, 1544003.	0.9	1
15	A new approach to the propagation of light-like signals in perturbed cosmological backgrounds. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 020-020.	1.9	38
16	Gravity, Strings and Particles. , 2014, , .		0
17	The twin paradox in the presence of gravity. Modern Physics Letters A, 2014, 29, 1450149.	0.5	3
18	Strings and Fundamental Interactions. , 2014, , 61-93.		0

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19	Prologue: Inside the Energy Walls of Our "Cradle", 2014, , 1-4.		0
20	String Theory and Primordial Cosmology. , 2014, , 743-750.		0
21	Space, Time, and Space-Time. , 2014, , 49-60.		0
22	Gravity at Small Distances. , 2014, , 5-29.		0
23	The Einstein Equations for the Gravitational Field. Undergraduate Lecture Notes in Physics, 2013, , 109-133.	0.1	0
24	Do Stochastic Inhomogeneities Affect Dark-Energy Precision Measurements?. Physical Review Letters, 2013, 110, 021301.	2.9	74
25	Average and dispersion of the luminosity-redshift relation in the concordance model. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 002-002.	1.9	81
26	An exact Jacobi map in the geodesic light-cone gauge. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 019-019.	1.9	79
27	Discriminating different models of luminosity-redshift distribution. Classical and Quantum Gravity, 2013, 30, 095011.	1.5	8
28	Backreaction on the luminosity-redshift relation from gauge invariant light-cone averaging. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 036-036.	1.9	63
29	L'anisotropia della radiazione cosmica. Unitext, 2012, , 133-164.	0.0	0
30	La geometria di Friedmann-Robertson-Walker. Unitext, 2012, , 29-45.	0.0	0
31	Il fondo di radiazione gravitazionale fossile. Unitext, 2012, , 165-204.	0.0	0
32	Inflazione "slow-roll". Unitext, 2012, , 101-110.	0.0	0
33	La dinamica del modello cosmologico standard. Unitext, 2012, , 47-75.	0.0	0
34	Light-cone averaging in cosmology: formalism and applications. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 008-008.	1.9	109
35	A covariant and gauge invariant formulation of the cosmological "backreaction". Journal of Cosmology and Astroparticle Physics, 2010, 2010, 009-009.	1.9	51
36	Macroscopic quantum tunneling and the "cosmic" Josephson effect. Physical Review D, 2010, 82, .	1.6	1

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37	Lezioni di Relatività Generale e Teoria della Gravitazione. Unitext, 2010, , .	0.0	2
38	Equazioni di Maxwell e geometria di Riemann. Unitext, 2010, , 65-74.	0.0	0
39	Gauge invariant averages for the cosmological backreaction. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 011-011.	1.9	50
40	Nonlocal dilaton coupling to dark matter: Cosmic acceleration and pressure backreaction. Physical Review D, 2008, 77, .	1.6	6
41	WHY SUPERSYMMETRY SHOULD BE RESTORED AT THE TeV SCALE. International Journal of Modern Physics D, 2008, 17, 2521-2525.	0.9	0
42	Higher-dimensional perturbations of the vacuum energy density. Journal of High Energy Physics, 2008, 2008, 009-009.	1.6	7
43	Gabriele Veneziano: A Concise Scientific Biography and an Interview. Lecture Notes in Physics, 2008, , 3-27.	0.3	1
44	Dilaton Cosmology and Phenomenology. , 2008, , 787-844.		14
45	Supernova Legacy Survey data are consistent with acceleration at Ω^3 . Physical Review D, 2006, 74, .	1.6	26
46	CMB ANISOTROPIES THROUGH AXION DECAY IN PRE-BIG BANG MODELS. , 2006, , .		0
47	Observable (?) cosmological signatures of superstrings in pre-big bang models of inflation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 633, 155-160.	1.5	7
48	Primordial magnetic seeds from string cosmology. Astronomische Nachrichten, 2006, 327, 399-402.	0.6	6
49	A NEW SCALE IN THE SKY. International Journal of Modern Physics D, 2006, 15, 2147-2152.	0.9	2
50	Relic gravitons on Kasner-like branes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 610, 9-17.	1.5	6
51	Response of the common mode of interferometric detectors to a stochastic background of massive scalar radiation. Physical Review D, 2005, 71, .	1.6	9
52	Fitting type Ia supernovae with coupled dark energy. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 014-014.	1.9	42
53	TOWARDS A FUTURE SINGULARITY?. International Journal of Modern Physics D, 2004, 13, 2267-2273.	0.9	10
54	Cosmological perturbations across a curvature bounce. Nuclear Physics B, 2004, 694, 206-238.	0.9	62

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55	Superstring Cosmology. , 2004, , 437-437.		1
56	LATE-TIME EFFECTS OF PLANCK-SCALE COSMOLOGY: DILATONIC INTERPRETATION OF THE DARK ENERGY FIELD. , 2004, , .		0
57	Perturbations in a non-singular bouncing Universe. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 569, 113-122.	1.5	90
58	The pre-big bang scenario in string cosmology. Physics Reports, 2003, 373, 1-212.	10.3	642
59	Constraints on pre-big-bang parameter space from CMBR anisotropies. Physical Review D, 2003, 67, .	1.6	25
60	Early acceleration and adiabatic matter perturbations in a class of dilatonic dark-energy models. Physical Review D, 2003, 67, .	1.6	21
61	Sensitivity of spherical gravitational-wave detectors to a stochastic background of nonrelativistic scalar radiation. Physical Review D, 2002, 65, .	1.6	5
62	Assisting pre-big-bang phenomenology through short-lived axions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 543, 14-22.	1.5	50
63	Gravitational waves in non-singular string cosmologies. Nuclear Physics B, 2001, 607, 406-428.	0.9	21
64	Localization of scalar fluctuations in a dilatonic brane-world scenario. Nuclear Physics B, 2001, 619, 191-210.	0.9	17
65	A diagrammatic approach to the spectrum of cosmological perturbations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 140-146.	1.5	2
66	Low-energy graceful exit in anisotropic string cosmology backgrounds. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 521, 335-342.	1.5	10
67	BIRTH OF THE UNIVERSE AS ANTITUNNELLING FROM THE STRING PERTURBATIVE VACUUM. International Journal of Modern Physics D, 2001, 10, 15-23.	0.9	12
68	Dilatonic interpretation of quintessence?. Physical Review D, 2001, 64, .	1.6	38
69	New mechanism for the generation of primordial seeds for the cosmic magnetic fields. Physical Review D, 2001, 63, .	1.6	32
70	Detecting a relic background of scalar waves with LIGO. Physical Review D, 2001, 64, .	1.6	9
71	Quintessence as a runaway dilaton. Physical Review D, 2001, 65, .	1.6	319
72	Signal-to-noise ratio for a stochastic background of massive relic particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 477, 242-247.	1.5	7

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73	String cosmology versus standard and inflationary cosmology. <i>Classical and Quantum Gravity</i> , 2000, 17, R1-R18.	1.5	13
74	Inflation and initial conditions in the pre-big-bang scenario. <i>Physical Review D</i> , 2000, 61, .	1.6	14
75	LOOKING BACK IN TIME BEYOND THE BIG BANG. <i>Modern Physics Letters A</i> , 1999, 14, 1059-1066.	0.5	10
76	Seeds of large-scale anisotropy in string cosmology. <i>Physical Review D</i> , 1999, 59, .	1.6	38
77	On the response of gravitational antennas to dilatonic waves. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 470, 67-72.	1.5	40
78	Repulsive Gravity in the Very Early Universe. <i>General Relativity and Gravitation</i> , 1998, 30, 1703-1709.	0.7	74
79	Duality in cosmological perturbation theory. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 431, 277-285.	1.5	45
80	Massless (pseudo-)scalar seeds of CMB anisotropy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 436, 66-72.	1.5	35
81	Constraints on pre-big-bang models for seeding large-scale anisotropy by massive Kalb-Ramond axions. <i>Physical Review D</i> , 1998, 59, .	1.6	20
82	LOW-ENERGY QUANTUM STRING COSMOLOGY. <i>International Journal of Modern Physics A</i> , 1998, 13, 4779-4786.	0.5	12
83	Normal modes for metric fluctuations in a class of higher-dimensional backgrounds. <i>Classical and Quantum Gravity</i> , 1997, 14, 735-747.	1.5	14
84	Expanding and contracting universes in third quantized string cosmology. <i>Classical and Quantum Gravity</i> , 1997, 14, L97-L103.	1.5	23
85	Tensor perturbations in high-curvature string backgrounds. <i>Physical Review D</i> , 1997, 56, 4815-4823.	1.6	54
86	Peak and end point of the relic graviton background in string cosmology. <i>Physical Review D</i> , 1997, 55, 3882-3885.	1.6	45
87	A Class of Non-Singular Graviton-Dilaton Backgrounds. <i>Modern Physics Letters A</i> , 1997, 12, 1883-1889.	0.5	3
88	Towards a non-singular pre-big-bang cosmology. <i>Nuclear Physics B</i> , 1997, 494, 315-328.	0.9	193
89	Graceful exit in quantum string cosmology. <i>Nuclear Physics B</i> , 1996, 472, 349-360.	0.9	110
90	Evolution of strings in cosmological backgrounds. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1996, 49, 70-74.	0.5	5

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91	Birth of the Universe as quantum scattering in string cosmology. General Relativity and Gravitation, 1996, 28, 1301-1307.	0.7	46
92	Singularity and exit problems in two-dimensional string cosmology. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 715-720.	1.5	48
93	Status of String Cosmology: Phenomenological Aspects. , 1996, , 305-343.		4
94	Relic gravitational waves from string cosmology. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 361, 45-51.	1.5	183
95	Metric perturbations in dilaton-driven inflation. Physical Review D, 1995, 51, 6744-6756.	1.6	123
96	Electromagnetic origin of the CMB anisotropy in string cosmology. Physical Review D, 1995, 52, R6651-R6655.	1.6	39
97	Primordial Magnetic Fields from String Cosmology. Physical Review Letters, 1995, 75, 3796-3799.	2.9	267
98	Homogeneous conformal string backgrounds. Classical and Quantum Gravity, 1995, 12, 677-688.	1.5	31
99	Dilaton production in string cosmology. Physical Review D, 1994, 50, 2519-2540.	1.6	162
100	Relaxed bounds on the dilaton mass in a string cosmology scenario. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 214-220.	1.5	35
101	Pre-big-bang in string cosmology. Astroparticle Physics, 1993, 1, 317-339.	1.9	783
102	Entropy production in the cosmological amplification of the vacuum fluctuations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 301, 334-338.	1.5	54
103	A problem with non-abelian duality?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 319, 438-444.	1.5	86
104	INFLATION, DEFLATION, AND FRAME-INDEPENDENCE IN STRING COSMOLOGY. Modern Physics Letters A, 1993, 08, 3701-3713.	0.5	176
105	Quantum squeezing and cosmological entropy production. Classical and Quantum Gravity, 1993, 10, L133-L136.	1.5	60
106	Squeezed thermal vacuum and the maximum scale for inflation. Physical Review D, 1993, 48, R439-R443.	1.6	63
107	Dilaton contributions to the cosmic gravitational wave background. Physical Review D, 1993, 47, 1519-1528.	1.6	100
108	Gravity waves from primordial dimensional reduction. Classical and Quantum Gravity, 1992, 9, L137-L141.	1.5	13

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109	Causal horizons, accelerations and strings. <i>General Relativity and Gravitation</i> , 1992, 24, 219-223.	0.7	25
110	Boosting away singularities from conformal string backgrounds. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 296, 51-57.	1.5	57
111	Constraints on inflation at the Planck scale from the relic graviton spectrum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 282, 36-43.	1.5	85
112	O(d, d)-covariant string cosmology. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 277, 256-264.	1.5	167
113	Inflation in scalar-tensor gravity with quadratic Gauss-Bonnet self-interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 287, 56-60.	1.5	20
114	Self-sustained inflation and dimensional reduction from fundamental strings. <i>Nuclear Physics B</i> , 1991, 364, 365-380.	0.9	91
115	Anomalous electromagnetic effects in the mixing of photons with a neutral vector field. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 263, 267-269.	1.5	4
116	Adiabatic perturbations and minimal size of the de Sitter vacuum. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 266, 275-279.	1.5	6
117	Kinematic interpretation of string instability in a background gravitational field. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 258, 70-74.	1.5	25
118	From trivial to non-trivial conformal string backgrounds via O(d, d) transformations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 272, 277-284.	1.5	99
119	Inflation and singularity prevention in a model for extended-object-dominated cosmology. <i>Classical and Quantum Gravity</i> , 1991, 8, 659-666.	1.5	41
120	HIGHLY UNSTABLE FUNDAMENTAL STRINGS IN INFLATIONARY COSMOLOGIES. <i>International Journal of Modern Physics A</i> , 1991, 06, 3853-3864.	0.5	73
121	Phenomenological consequences of a geometric model with limited proper acceleration. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1990, 105, 259-278.	0.2	40
122	Photon-graviphoton mixing in a dielectric medium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 237, 431-435.	1.5	4
123	Quantum corrections to the spacetime metric from geometric phase space quantization. <i>International Journal of Theoretical Physics</i> , 1990, 29, 131-139.	0.5	56
124	Constraint on Deviations from Universality in the Coupling to Gravity of Photons and High-Energy Cosmic Rays. <i>Physical Review Letters</i> , 1989, 63, 1658-1658.	2.9	1
125	Phenomenological consequences of a direct fifth force coupling to photons. <i>Physical Review D</i> , 1989, 40, 3525-3528.	1.6	12
126	Constraint on deviations from universality in the coupling to gravity of photons and high-energy cosmic rays. <i>Physical Review Letters</i> , 1989, 62, 1945-1947.	2.9	12

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127	Experimental constraints on a minimal and nonminimal violation of the equivalence principle in the oscillations of massive neutrinos. <i>Physical Review D</i> , 1989, 39, 3606-3611.	1.6	91
128	GEOMETRIC DESCRIPTION OF HADRONIZATION IN CURVED SPACETIME. <i>Modern Physics Letters A</i> , 1989, 04, 169-174.	0.5	2
129	The cosmological constant and the dimensionality of space-time. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 224, 49-52.	1.5	7
130	Fifth force and the gravi-magnetic hypothesis. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1989, 140, 271-274.	0.9	4
131	On the confining aspects of a conformally flat geometry. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1988, 132, 82-84.	0.9	20
132	Short-range interactions in gravitational theories with torsion and quadratic lagrangian. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 205, 517-520.	1.5	1
133	Effect of a possible fifth force on the direct neutron-antineutron oscillation experiments. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 215, 411-416.	1.5	4
134	A thermal interpretation of the cosmological constant. <i>Classical and Quantum Gravity</i> , 1988, 5, 521-531.	1.5	73
135	Testing the principle of equivalence with neutrino oscillations. <i>Physical Review D</i> , 1988, 38, 2635-2637.	1.6	154
136	"Gravitational" contributions to $n\bar{n}$ oscillations in vacuum. <i>Physical Review D</i> , 1988, 38, 1356-1359.	1.6	4
137	Thermal expansion and critical temperature in a geometric representation of quark deconfinement. <i>Physical Review D</i> , 1988, 38, 1626-1627.	1.6	2
138	LORENTZ NONINVARIANCE WITHOUT TACHYONS IN THE SCHWARZSCHILD FIELD. <i>Modern Physics Letters A</i> , 1987, 02, 385-390.	0.5	2
139	Singularity prevention and broken Lorentz symmetry. <i>Classical and Quantum Gravity</i> , 1987, 4, 485-494.	1.5	51
140	Axion production by electromagnetic fields. <i>Physical Review Letters</i> , 1987, 59, 396-398.	2.9	63
141	Gravitational acceleration of relativistic particles at finite temperature. <i>Physical Review D</i> , 1987, 36, 617-619.	1.6	5
142	Experimental tests on unified theories of the scalar-vector-tensor type. <i>Physical Review D</i> , 1987, 36, 2318-2320.	1.6	8
143	Very early cosmology in the maximal acceleration hypothesis. <i>Astrophysics and Space Science</i> , 1987, 138, 387-391.	0.5	31
144	Geometric interpretation of a new hadronization model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 195, 453-455.	1.5	9

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145	Decreasing vacuum temperature: A thermal approach to the cosmological constant problem. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 194, 347-349.	1.5	82
146	Spin-dominated inflation in the Einstein-Cartan theory. <i>Physical Review Letters</i> , 1986, 56, 2873-2876.	2.9	111
147	Gravitational waves and massive tensor particles in the f-g theory of gravity. <i>General Relativity and Gravitation</i> , 1986, 18, 669-674.	0.7	3
148	On the gravitational interactions of ultrarelativistic particles. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 177, 51-54.	1.5	4
149	Broken Lorentz symmetry and the dimension of space-time. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1986, 180, 221-224.	1.5	7
150	Classical repulsive gravity and broken Lorentz symmetry. <i>Physical Review D</i> , 1986, 34, 2260-2262.	1.6	13
151	Quasi-Riemannian gravity and spontaneous breaking of the Lorentz gauge symmetry in more than four dimensions. <i>Physical Review D</i> , 1986, 33, 3594-3606.	1.6	18
152	Spontaneous compactification on a Ricci flat four-dimensional background. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1985, 88, 172-183.	0.2	2
153	Inflation and broken Lorentz symmetry in the very early universe. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985, 163, 84-86.	1.5	34
154	Spontaneous compactification with antisymmetric tensor and scalar fields. <i>Physical Review D</i> , 1985, 31, 2708-2710.	1.6	1
155	Five-dimensional projective unified theory and the principle of equivalence. <i>Physical Review D</i> , 1984, 29, 171-175.	1.6	2
156	On a Lie-isotopic theory of gravity. <i>Il Nuovo Cimento A</i> , 1984, 83, 309-326.	0.2	2
157	On a Lie-admissible theory of gravity. <i>Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods</i> , 1984, 81, 7-20.	0.2	2
158	Strong gravity and Lorentz non-invariance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1984, 141, 369-371.	1.5	2
159	Constraints on unified theories from the experimental tests of the equivalence principle. <i>General Relativity and Gravitation</i> , 1984, 16, 1031-1037.	0.7	15
160	The angular momentum of celestial bodies and the fundamental dimensionless constants of nature. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica</i> , 1983, 38, 93-95.	0.4	10
161	The anthropic principle and the actual size of the universe. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica</i> , 1983, 37, 605-608.	0.4	2
162	Hermitian gravity and supergravity. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica</i> , 1983, 36, 156-160.	0.4	0

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163	Neutron spin rotation induced by torsion in vacuum. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1982, 33, 363-366.	0.4	2
164	The role of spin in a Hermitian theory of gravity. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1982, 33, 177-183.	0.4	3
165	On the possibility of speed higher than c inside hadronic matter. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1982, 34, 337-340.	0.4	2
166	Gauge invariance, semiminimal coupling, and propagating torsion. Physical Review D, 1981, 23, 2116-2120.	1.6	36
167	Propagating torsion and electromagnetic gauge invariance. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 83, 115-117.	0.9	18
168	Macroscopical consequences of a propagating torsion potential. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1981, 30, 503-506.	0.4	5
169	A theory of gravity with two metric and two torsion tensors. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1981, 32, 469-474.	0.4	1
170	Neutrino oscillations in the presence of torsion. Il Nuovo Cimento A, 1981, 65, 479-500.	0.2	43
171	Spontaneous symmetry breaking starting from the light velocity variability. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1981, 31, 323-327.	0.4	2
172	Spontaneous symmetry breaking in a De Sitter metric background. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1981, 31, 261-264.	0.4	3
173	A gauge-invariant interaction between a charged spinor field and a propagating torsion field. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1981, 30, 193-198.	0.4	8
174	Torsion production by electromagnetic fields. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1981, 30, 363-366.	0.4	5
175	On the Maxwell equations in a Riemann-Cartan space. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 77, 300-302.	0.9	27
176	The magnetic field of the earth. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1980, 27, 449-453.	0.4	5
177	On the propagation of electromagnetic waves in a cosmological neutrino sea. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1980, 28, 181-185.	0.4	4
178	A « semi-minimal » coupling principle for the electromagnetic field in a space with torsion. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1980, 28, 229-233.	0.4	10
179	Torsion contributions to the magnetic field of a spinning charge. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1980, 28, 234-236.	0.4	3
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