

Carlos J A P Martins

List of Publications by Year in descending order

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214
papers

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71102

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docs citations

217
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2876
citing authors

#	ARTICLE	IF	CITATIONS
1	CaRM: Exploring the chromatic Rossiter-McLaughlin effect. <i>Astronomy and Astrophysics</i> , 2022, 660, A52.	5.1	3
2	A candidate short-period sub-Earth orbiting Proxima Centauri. <i>Astronomy and Astrophysics</i> , 2022, 658, A115.	5.1	43
3	Low redshift constraints on scale-covariant models. <i>Physics of the Dark Universe</i> , 2022, 35, 100964.	4.9	1
4	Fundamental physics with ESPRESSO: Precise limit on variations in the fine-structure constant towards the bright quasar HE 0515 ⁺ 4414. <i>Astronomy and Astrophysics</i> , 2022, 658, A123.	5.1	30
5	Varying fine-structure constant cosmography. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 827, 137002.	4.1	8
6	Observational constraints on nonlinear matter extensions of general relativity: Separable trace power models. <i>Physics of the Dark Universe</i> , 2022, 36, 101021.	4.9	2
7	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. <i>Journal of High Energy Astrophysics</i> , 2022, 34, 49-211.	6.7	350
8	Fundamental physics with ESPRESSO: Constraints on Bekenstein and dark energy models from astrophysical and local probes. <i>Physical Review D</i> , 2022, 105, .	4.7	4
9	Abelian ⁺ Higgs cosmic string evolution with multiple GPUs. <i>Astronomy and Computing</i> , 2021, 34, 100438.	1.7	12
10	ESPRESSO at VLT. <i>Astronomy and Astrophysics</i> , 2021, 645, A96.	5.1	221
11	Varying alpha generalized Dirac-Born-Infeld models. <i>Physical Review D</i> , 2021, 103, .	4.7	1
12	ESPRESSO high-resolution transmission spectroscopy of WASP-76 b. <i>Astronomy and Astrophysics</i> , 2021, 646, A158.	5.1	62
13	Fundamental physics with ESPRESSO: Towards an accurate wavelength calibration for a precision test of the fine-structure constant. <i>Astronomy and Astrophysics</i> , 2021, 646, A144.	5.1	18
14	Primordial nucleosynthesis with varying fundamental constants. <i>Astronomy and Astrophysics</i> , 2021, 646, A47.	5.1	5
15	Generalized velocity-dependent one-scale model for current-carrying strings. <i>Physical Review D</i> , 2021, 103, .	4.7	10
16	The atmosphere of HD 209458b seen with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2021, 647, A26.	5.1	41
17	A sub-Neptune and a non-transiting Neptune-mass companion unveiled by ESPRESSO around the bright late-F dwarf HD 5278 (TOI-130). <i>Astronomy and Astrophysics</i> , 2021, 648, A75.	5.1	22
18	Six transiting planets and a chain of Laplace resonances in TOI-178. <i>Astronomy and Astrophysics</i> , 2021, 649, A26.	5.1	94

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19	Scaling solutions of wiggly cosmic strings. <i>Physical Review D</i> , 2021, 104, .	4.7	6
20	<i>Euclid</i>: Constraining dark energy coupled to electromagnetism using astrophysical and laboratory data. <i>Astronomy and Astrophysics</i> , 2021, 654, A148.	5.1	18
21	Cosmological impact of redshift drift measurements. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 508, L53-L57.	3.3	10
22	HD 22496 b: The first ESPRESSO stand-alone planet discovery. <i>Astronomy and Astrophysics</i> , 2021, 654, A60.	5.1	6
23	Into the storm: diving into the winds of the ultra-hot Jupiter WASP-76 b with HARPS and ESPRESSO. <i>Astronomy and Astrophysics</i> , 2021, 653, A73.	5.1	34
24	Warm terrestrial planet with half the mass of Venus transiting a nearby star. <i>Astronomy and Astrophysics</i> , 2021, 653, A41.	5.1	46
25	High resolution calibration of the cosmic strings velocity dependent one-scale model. <i>Physical Review D</i> , 2021, 104, .	4.7	4
26	The Rossiterâ€™McLaughlin effect revolutions: an ultra-short period planet and a warm mini-Neptune on perpendicular orbits. <i>Astronomy and Astrophysics</i> , 2021, 654, A152.	5.1	23
27	Primordial nucleosynthesis with varying fundamental constants. <i>Astronomy and Astrophysics</i> , 2021, 653, A48.	5.1	14
28	Constraining alternatives to a cosmological constant: Generalized couplings and scale invariance. <i>Physics of the Dark Universe</i> , 2021, 31, 100761.	4.9	4
29	Atmospheric Rossiterâ€™McLaughlin effect and transmission spectroscopy of WASP-121b with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2021, 645, A24.	5.1	75
30	Charge-velocity-dependent one-scale linear model. <i>Physical Review D</i> , 2021, 104, .	4.7	8
31	Testing fundamental cosmological assumptions with Euclid. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012019.	0.4	0
32	Low-redshift constraints on homogeneous and isotropic universes with torsion. <i>Physics of the Dark Universe</i> , 2020, 27, 100416.	4.9	9
33	Quantifying the effect of cooled initial conditions on cosmic string network evolution. <i>Physical Review D</i> , 2020, 102, .	4.7	11
34	Abelian-Higgs cosmic string evolution with CUDA. <i>Astronomy and Computing</i> , 2020, 32, 100388.	1.7	9
35	Primordial nucleosynthesis with varying fundamental constants. <i>Astronomy and Astrophysics</i> , 2020, 633, L11.	5.1	28
36	Four direct measurements of the fine-structure constant 13 billion years ago. <i>Science Advances</i> , 2020, 6, .	10.3	45

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37	Nightside condensation of iron in an ultrahot giant exoplanet. <i>Nature</i> , 2020, 580, 597-601.	27.8	178
38	Revisiting Proxima with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2020, 639, A77.	5.1	81
39	Characterization of the K2-38 planetary system. <i>Astronomy and Astrophysics</i> , 2020, 641, A92.	5.1	17
40	A precise architecture characterization of the ϵ Mensae planetary system. <i>Astronomy and Astrophysics</i> , 2020, 642, A31.	5.1	43
41	<i>Euclid</i> : Forecast constraints on the cosmic distance duality relation with complementary external probes. <i>Astronomy and Astrophysics</i> , 2020, 644, A80.	5.1	39
42	WASP-127b: a misaligned planet with a partly cloudy atmosphere and tenuous sodium signature seen by ESPRESSO. <i>Astronomy and Astrophysics</i> , 2020, 644, A155.	5.1	36
43	Broadband transmission spectroscopy of HD 209458b with ESPRESSO: evidence for Na, TiO, or both. <i>Astronomy and Astrophysics</i> , 2020, 644, A51.	5.1	13
44	K2-111: an old system with two planets in near-resonance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5004-5021.	4.4	22
45	Distinguishing freezing and thawing dark energy models through measurements of the fine-structure constant. <i>Astronomy and Astrophysics</i> , 2020, 635, A80.	5.1	3
46	Dynamics of junctions and the multitension velocity-dependent one-scale model. <i>Physical Review D</i> , 2019, 99, .	4.7	6
47	Forecasts of redshift drift constraints on cosmological parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 3607-3624.	4.4	21
48	Consistency of local and astrophysical tests of the stability of fundamental constants. <i>Physics of the Dark Universe</i> , 2019, 25, 100301.	4.9	7
49	Fine-structure constant constraints on late-time dark energy transitions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 791, 230-235.	4.1	2
50	Low redshift constraints on energy-momentum-powered gravity models. <i>Astronomy and Astrophysics</i> , 2019, 625, A127.	5.1	24
51	Cosmological evolution of semilocal string networks. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019, 377, 20190004.	3.4	2
52	Extending and calibrating the velocity dependent one-scale model for cosmic strings with one thousand field theory simulations. <i>Physical Review D</i> , 2019, 100, .	4.7	24
53	Astrophysical and local constraints on string theory: Runaway dilaton models. <i>Physical Review D</i> , 2019, 100, .	4.7	7
54	Scaling properties of cosmological axion strings. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 788, 147-151.	4.1	24

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55	The AstroCamp Project. Proceedings of the International Astronomical Union, 2019, 15, 432-433.	0.0	0
56	Exploring cosmic origins with CORE: Inflation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 016-016.	5.4	75
57	Exploring cosmic origins with CORE: Cosmological parameters. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 017-017.	5.4	73
58	Exploring cosmic origins with CORE: Cluster science. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 019-019.	5.4	17
59	Current and future constraints on extended Bekenstein-type models for a varying fine-structure constant. Physical Review D, 2018, 97, .	4.7	9
60	Effects of biases in domain wall network evolution. II. Quantitative analysis. Physical Review D, 2018, 97, .	4.7	8
61	Collisions of cosmic strings with chiral currents. Physical Review D, 2018, 98, .	4.7	4
62	Constraining late-time transitions in the dark energy equation of state. Astronomy and Astrophysics, 2018, 616, A32.	5.1	5
63	Cosmic strings and other topological defects in nonscaling regimes. Physical Review D, 2017, 95, .	4.7	9
64	Fisher matrix forecasts for astrophysical tests of the stability of the fine-structure constant. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 93-100.	4.1	5
65	Constraining spatial variations of the fine-structure constant in symmetron models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 491-497.	4.1	3
66	Stability of fundamental couplings: A global analysis. Physical Review D, 2017, 95, .	4.7	15
67	Current and future white dwarf mass-radius constraints on varying fundamental couplings and unification scenarios. Physical Review D, 2017, 96, .	4.7	10
68	The status of varying constants: a review of the physics, searches and implications. Reports on Progress in Physics, 2017, 80, 126902.	20.1	108
69	Evolution of semilocal string networks. II. Velocity estimators. Physical Review D, 2017, 96, .	4.7	5
70	Semianalytic calculation of cosmic microwave background anisotropies from wiggly and superconducting cosmic strings. Physical Review D, 2017, 96, .	4.7	13
71	General purpose graphics-processing-unit implementation of cosmological domain wall network evolution. Physical Review E, 2017, 96, 043310.	2.1	6
72	Editorial Note: Stretching and Kibble scaling regimes for Hubble-damped defect networks [Phys. Rev. D 94, 116017 (2016)]. Physical Review D, 2017, 95, .	4.7	6

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73	Dark Energy Constraints from Espresso Tests of the Stability of Fundamental Couplings. <i>Universe</i> , 2017, 3, 30.	2.5	3
74	New Constraints on Spatial Variations of the Fine Structure Constant from Clusters of Galaxies. <i>Universe</i> , 2016, 2, 34.	2.5	9
75	Astrophysical Probes of Varying Constants and Unification. <i>Journal of Physics: Conference Series</i> , 2016, 665, 012005.	0.4	0
76	Dark energy constraints from ESPRESSO tests of the stability of fundamental couplings. <i>Physical Review D</i> , 2016, 94, .	4.7	11
77	Updated constraints on spatial variations of the fine-structure constant. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 756, 121-125.	4.1	18
78	Current and future constraints on Bekenstein-type models for varying couplings. <i>Physical Review D</i> , 2016, 94, .	4.7	10
79	Fine-structure constant constraints on dark energy. II. Extending the parameter space. <i>Physical Review D</i> , 2016, 93, .	4.7	17
80	Subpercent constraints on the cosmological temperature evolution. <i>Physical Review D</i> , 2016, 93, .	4.7	21
81	Extending the velocity-dependent one-scale model for domain walls. <i>Physical Review D</i> , 2016, 93, .	4.7	43
82	Physical and invariant models for defect network evolution. <i>Physical Review D</i> , 2016, 93, .	4.7	4
83	Cosmological and astrophysical constraints on tachyon dark energy models. <i>Physical Review D</i> , 2016, 93, .	4.7	9
84	Publisher's Note: Physical and invariant models for defect network evolution [Phys. Rev. D93, 043542 (2016)]. <i>Physical Review D</i> , 2016, 93, .	4.7	3
85	Models for small-scale structure on cosmic strings. II. Scaling and its stability. <i>Physical Review D</i> , 2016, 94, .	4.7	10
86	Real-time cosmography with redshift derivatives. <i>Physical Review D</i> , 2016, 94, .	4.7	37
87	Constraining spatial variations of the fine structure constant using clusters of galaxies and Planck data. <i>Physical Review D</i> , 2016, 94, .	4.7	18
88	Editorial Note: Models for small-scale structure on cosmic strings. II. Scaling and its stability [Phys. Rev. D 94, 096005 (2016)]. <i>Physical Review D</i> , 2016, 94, .	4.7	3
89	Stretching and Kibble scaling regimes for Hubble-damped defect networks. <i>Physical Review D</i> , 2016, 94, .	4.7	12
90	The Rest of the Zoo. <i>SpringerBriefs in Physics</i> , 2016, , 53-77.	0.7	0

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91	Cosmic Strings. SpringerBriefs in Physics, 2016, , 11-27.	0.7	0
92	Domain Walls. SpringerBriefs in Physics, 2016, , 29-51.	0.7	0
93	Defects in Condensed Matter. SpringerBriefs in Physics, 2016, , 107-118.	0.7	0
94	Model Extensions. SpringerBriefs in Physics, 2016, , 79-106.	0.7	0
95	On the stability of fundamental couplings in the Galaxy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 389-392.	4.1	4
96	Fine-structure constant constraints on dark energy. Physical Review D, 2015, 91, .	4.7	18
97	Fundamental cosmology from precision spectroscopy. II. Synergies with supernovae. Physical Review D, 2015, 91, .	4.7	7
98	Further consistency tests of the stability of fundamental couplings. Physical Review D, 2015, 91, .	4.7	11
99	E-ELT constraints on runaway dilaton scenarios. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 030-030.	5.4	4
100	Contribution of domain wall networks to the CMB power spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 426-432.	4.1	28
101	Constraining the evolution of the CMB temperature with SZ measurements from Planck data. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 011-011.	5.4	27
102	Scaling properties of multitension domain wall networks. Physical Review D, 2015, 91, .	4.7	1
103	Evolution of the fine-structure constant in runaway dilaton models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 377-382.	4.1	29
104	Dark energy and equivalence principle constraints from astrophysical tests of the stability of the fine-structure constant. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 047-047.	5.4	16
105	CONSTRAINING THE REDSHIFT EVOLUTION OF THE COSMIC MICROWAVE BACKGROUND BLACKBODY TEMPERATURE WITH PLANCK DATA. Astrophysical Journal, 2015, 808, 128.	4.5	24
106	Fundamental cosmology in the E-ELT era: the status and future role of tests of fundamental coupling stability. General Relativity and Gravitation, 2015, 47, 1.	2.0	29
107	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	5.4	138
108	Models for small-scale structure of cosmic strings: Mathematical formalism. Physical Review D, 2014, 90, .	4.7	15

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109	Effects of biases in domain wall network evolution. <i>Physical Review D</i> , 2014, 90, .	4.7	17
110	Fundamental constants and high-resolution spectroscopy. <i>Astronomische Nachrichten</i> , 2014, 335, 83-91.	1.2	22
111	Variations of the fine-structure constant in exotic singularity models. <i>Physical Review D</i> , 2014, 89, .	4.7	9
112	Redshift drift test of exotic singularity universes. <i>Physical Review D</i> , 2014, 89, .	4.7	9
113	Dark energy coupling with electromagnetism as seen from future low-medium redshift probes. <i>Physical Review D</i> , 2014, 89, .	4.7	30
114	Fundamental cosmology from precision spectroscopy: Varying couplings. <i>Physical Review D</i> , 2014, 90, .	4.7	12
115	Fine-structure constant constraints on Bekenstein-type models. <i>Physical Review D</i> , 2014, 90, .	4.7	11
116	Spatial variations of the fine-structure constant in symmetron models. <i>Physical Review D</i> , 2014, 89, .	4.7	15
117	Evolution of semilocal string networks: Large-scale properties. <i>Physical Review D</i> , 2014, 89, .	4.7	13
118	Consistency tests of the stability of fundamental couplings and unification scenarios. <i>Physical Review D</i> , 2014, 89, .	4.7	20
119	The UVES Large Program for testing fundamental physics – III. Constraints on the fine-structure constant from three telescopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 128-150.	4.4	57
120	Cosmological effects of scalar-photon couplings: dark energy and varying-Models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 062-062.	5.4	20
121	Time-evolution of the fine-structure constant in runaway dilaton models. <i>Journal of Physics: Conference Series</i> , 2014, 566, 012006.	0.4	2
122	Scaling properties of cosmic (super)string networks. <i>Journal of Physics: Conference Series</i> , 2014, 544, 012026.	0.4	1
123	Fundamental Cosmology with the E-ELT. <i>Proceedings of the International Astronomical Union</i> , 2014, 10, 385-387.	0.0	1
124	A test of unification towards the radio source PKS1413+135. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 724, 1-4.	4.1	9
125	Accurate calibration of the velocity-dependent one-scale model for domain walls. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 718, 740-744.	4.1	31
126	The UVES large program for testing fundamental physics – II. Constraints on a change in α towards quasar HE 0027-1836.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 861-878.	4.4	88

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127	Constraining cosmologies with fundamental constants â€“ I. Quintessence and K-essence. Monthly Notices of the Royal Astronomical Society, 2013, 428, 2232-2240.	4.4	13
128	The UVES Large Program for testing fundamental physics I. Bounds on a change in α towards quasar HEâ€™%2217â€™2818. Astronomy and Astrophysics, 2013, 555, A68.	5.1	96
129	Three tests of LambdaCDM. , 2013, , .		0
130	Constraints on the CMB temperature-redshift dependence from SZ and distance measurements. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 013-013.	5.4	41
131	Fine structure constant and the CMB damping scale. Physical Review D, 2012, 85, .	4.7	26
132	Stellar test of the physics of unification. Physical Review D, 2012, 86, .	4.7	11
133	Probing unification scenarios with atomic clocks. Physical Review D, 2012, 86, .	4.7	22
134	Cosmic string evolution with a conserved charge. Physical Review D, 2012, 85, .	4.7	14
135	Probing dark energy with redshift drift. Physical Review D, 2012, 86, .	4.7	37
136	Variation of fundamental parameters and dark energy: A principal component approach. Physical Review D, 2012, 86, .	4.7	35
137	Probing dark energy beyond $z=2$ with CODEX. Physical Review D, 2012, 85, .	4.7	20
138	Constraints of the variation of fundamental couplings and sensitivity of the equation of state of dense matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 241-247.	4.1	8
139	MEASURING THE REDSHIFT DEPENDENCE OF THE COSMIC MICROWAVE BACKGROUND MONOPOLE TEMPERATURE WITH PLANCK DATA. Astrophysical Journal, 2012, 757, 144.	4.5	17
140	Analytic models for the evolution of semilocal string networks. Physical Review D, 2011, 84, .	4.7	14
141	Constraining variations in the fine structure constant in the presence of early dark energy. Physical Review D, 2011, 84, .	4.7	34
142	Scaling properties of domain wall networks. Physical Review D, 2011, 84, .	4.7	47
143	Astrophysical Probes of Fundamental Physics. Thirty Years of Astronomical Discovery With UKIRT, 2011, , 1-8.	0.3	0
144	Testing the Variation of Fundamental Constants with the CMB. Thirty Years of Astronomical Discovery With UKIRT, 2011, , 59-67.	0.3	2

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145	Evolution of cosmic necklaces and lattices. Physical Review D, 2010, 82, .	4.7	8
146	Varying couplings in the early universe: Correlated variations of $\lambda \pm G$. Physical Review D, 2010, 82, .	4.7	26
147	Alternative data reduction procedures for LIVES: Wavelength calibration and spectrum addition. New Astronomy, 2009, 14, 379-390.	1.8	14
148	Astrophysical probes of fundamental physics. Nuclear Physics, Section B, Proceedings Supplements, 2009, 194, 96-99.	0.4	2
149	New constraints on variations of the fine structure constant from CMB anisotropies. Physical Review D, 2009, 80, .	4.7	34
150	Evolution of hybrid defect networks. Physical Review D, 2009, 80, .	4.7	9
151	Reconstructing the evolution of dark energy with variations of fundamental parameters. Proceedings of the International Astronomical Union, 2009, 5, 303-303.	0.0	0
152	Dark matter from cosmic defects on galactic scales?. Physical Review D, 2008, 78, .	4.7	7
153	Clustering properties of dynamical dark energy models. Physical Review D, 2008, 77, .	4.7	22
154	Linear and nonlinear instabilities in unified dark energy models. Physical Review D, 2008, 77, .	4.7	30
155	Evolution of local and global monopole networks. Physical Review D, 2008, 78, .	4.7	24
156	Dynamics of biased domain walls and the devaluation mechanism. Physical Review D, 2008, 78, .	4.7	15
157	Dynamics of domain wall networks with junctions. Physical Review D, 2008, 78, .	4.7	42
158	Astrophysical Probes of Fundamental Physics. , 2008, , 89-94.		2
159	Effects of inflation on a cosmic string loop population. Physical Review D, 2007, 76, .	4.7	7
160	Scaling of cosmological domain wall networks with junctions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 647, 63-66.	4.1	25
161	Fractal properties and small-scale structure of cosmic string networks. Physical Review D, 2006, 73, .	4.7	155
162	Frustrated expectations: Defect networks and dark energy. Physical Review D, 2006, 73, .	4.7	46

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163	Defect junctions and domain wall dynamics. Physical Review D, 2006, 73, .	4.7	32
164	Evolution of the fine-structure constant in the non-linear regime. Journal of Cosmology and Astroparticle Physics, 2006, 2006, 018-018.	5.4	8
165	Reconstructing the dark energy equation of state with varying couplings. Physical Review D, 2006, 74, .	4.7	59
166	Understanding domain wall network evolution. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 610, 1-8.	4.1	32
167	One-scale model for domain wall network evolution. Physical Review D, 2005, 72, .	4.7	58
168	Cosmological evolution of domain wall networks. Physical Review D, 2005, 71, .	4.7	52
169	COSMOLOGY WITH VARYING CONSTANTS. Series on Iraq War and Its Consequences, 2005, , 41-58.	0.1	0
170	Scaling laws for nonintercommuting cosmic string networks. Physical Review D, 2004, 70, .	4.7	28
171	Linearized Bekenstein varying $\hat{\mu}$ models. Physical Review D, 2004, 70, .	4.7	31
172	Unified Model for Vortex-String Network Evolution. Physical Review Letters, 2004, 92, 251601.	7.8	56
173	Measuring $\hat{\mu}$ in the early Universe: cosmic microwave background polarization, re-ionization and the Fisher matrix analysis. Monthly Notices of the Royal Astronomical Society, 2004, 352, 20-38.	4.4	63
174	WMAP constraints on varying $\hat{\mu}$ and the promise of reionization. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 585, 29-34.	4.1	61
175	Onset of the nonlinear regime in unified dark matter models. Physical Review D, 2004, 69, .	4.7	43
176	The Cosmology of Extra Dimensions and Varying Fundamental Constants. Astrophysics and Space Science, 2003, 283, 439-444.	1.4	6
177	New constraints on varying $\hat{\mu}$. New Astronomy Reviews, 2003, 47, 863-869.	12.8	25
178	Topological defects: A problem for cyclic universes?. Physical Review D, 2003, 68, .	4.7	5
179	Role of baryons in unified dark matter models. Physical Review D, 2003, 67, .	4.7	73
180	Alternatives to quintessence model building. Physical Review D, 2003, 67, .	4.7	87

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181	String imprints from a preinflationary era. <i>Physical Review D</i> , 2003, 68, .	4.7	2
182	Cosmic numbers: A physical classification for cosmological models. <i>Physical Review D</i> , 2003, 67, .	4.7	6
183	The Λ CDM limit of the generalized Chaplygin gas scenario. <i>Journal of Cosmology and Astroparticle Physics</i> , 2003, 2003, 002-002.	5.4	44
184	The Cosmology of Extra Dimensions and Varying Fundamental Constants. , 2003, , 1-6.		4
185	Measuring Ω_b in the early universe: CMB temperature, large-scale structure, and Fisher matrix analysis. <i>Physical Review D</i> , 2002, 66, .	4.7	43
186	Topological Defects in Contracting Universes. <i>Physical Review Letters</i> , 2002, 89, 271301.	7.8	11
187	Extending the velocity-dependent one-scale string evolution model. <i>Physical Review D</i> , 2002, 65, .	4.7	192
188	Modified Median Statistics and Type Ia Supernova Data. <i>Astrophysical Journal</i> , 2002, 575, 989-995.	4.5	11
189	Cosmology with varying constants. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2002, 360, 2681-2695.	3.4	30
190	CMB constraints on spatial variations of the vacuum energy density. <i>Astroparticle Physics</i> , 2002, 17, 367-373.	4.3	2
191	A Supernova Brane Scan. <i>Astrophysical Journal</i> , 2002, 565, 661-667.	4.5	42
192	Can we predict the fate of the Universe?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 501, 257-263.	4.1	9
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