Eric V Linder

List of Publications by Year
in descending order

114 papers	8,718 citations	81900 39 h-index	42399 92 g-index
115 all docs	115 docs citations	115 times ranked	5188 citing authors

#	Article	IF	Citations
1	Exploring the Expansion History of the Universe. Physical Review Letters, 2003, 90, 091301.	7.8	1,602
2	The Simons Observatory: science goals and forecasts. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 056-056.	5.4	741
3	Cosmology and fundamental physics with the Euclid satellite. Living Reviews in Relativity, 2018, 21, 2.	26.7	602
4	Cosmic growth history and expansion history. Physical Review D, 2005, 72, .	4.7	591
5	Limits of Quintessence. Physical Review Letters, 2005, 95, 141301.	7.8	555
6	Parameterized beyond-Einstein growth. Astroparticle Physics, 2007, 28, 481-488.	4.3	328
7	Exponential gravity. Physical Review D, 2009, 80, .	4.7	175
8	Separating dark physics from physical darkness: Minimalist modified gravity versus dark energy. Physical Review D, 2007, 75, .	4.7	171
9	The dynamics of quintessence, the quintessence of dynamics. General Relativity and Gravitation, 2008, 40, 329-356.	2.0	161
10	Testing general relativity with current cosmological data. Physical Review D, 2010, 81, .	4.7	149
11	Constraining dark energy dynamics in extended parameter space. Physical Review D, 2017, 96, .	4.7	149
12	Safety in Numbers: Gravitational Lensing Degradation of the Luminosity Distanceâ€“Redshift Relation. Astrophysical Journal, 2005, 631, 678-688.	4.5	134
13	Effects of systematic uncertainties on the supernova determination of cosmological parameters. Monthly Notices of the Royal Astronomical Society, 2004, 347, 909-920.	4.4	127
14	Paths of quintessence. Physical Review D, 2006, 73, .	4.7	124
15	How many dark energy parameters?. Physical Review D, 2005, 72, .	4.7	120
16	STRONG LENS TIME DELAY CHALLENGE. II. RESULTS OF TDC1. Astrophysical Journal, 2015, 800, 11.	4.5	120
17	Mapping the cosmological expansion. Reports on Progress in Physics, 2008, 71, 056901.	20.1	119
18	Vacuum phase transition solves the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>H</mml:mi><mml:mn>0</mml:mn></mml:msub></mml:math> tension. Physical Review D, 2018, 97, .	4.7	119

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19	Probing gravitation, dark energy, and acceleration. Physical Review D, 2004, 70, .	4.7	116
20	Baryon oscillations as a cosmological probe. Physical Review D, 2003, 68, .	4.7	108
21	Growth of cosmic structure: Probing dark energy beyond expansion. Astroparticle Physics, 2015, 63, 23-41.	4.3	103
22	Kinetic k-essence and quintessence. Astroparticle Physics, 2007, 28, 263-272.	4.3	101
23	Redshift distortions as a probe of gravity. Astroparticle Physics, 2008, 29, 336-339.	4.3	92
24	The paths of gravity in galileon cosmology. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 043-043.	5.4	87
25	Observational bounds on cosmic doomsday. Journal of Cosmology and Astroparticle Physics, 2003, 2003, 015-015.	5.4	82
26	Aetherizing Lambda: Barotropic fluids as dark energy. Physical Review D, 2009, 80, .	4.7	82
27	Lensing time delays and cosmological complementarity. Physical Review D, 2011, 84, .	4.7	78
28	A Model-independent Determination of the Hubble Constant from Lensed Quasars and Supernovae Using Gaussian Process Regression. Astrophysical Journal Letters, 2019, 886, L23.	8.3	75
29	No slip gravity. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 005-005.	5.4	69
30	MAPPING GROWTH AND GRAVITY WITH ROBUST REDSHIFT SPACE DISTORTIONS. Astrophysical Journal, 2012, 748, 78.	4.5	67
31	Probing dark energy with supernovae: Exploiting complementarity with the cosmic microwave background. Physical Review D, 2003, 67, .	4.7	66
32	Confronting general relativity with further cosmological data. Physical Review D, 2010, 82, .	4.7	54
33	Determining Model-independent H₀ and Consistency Tests. Astrophysical Journal Letters, 2020, 895, L29.	8.3	48
34	Testing the cosmological constant as a candidate for dark energy. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 001-001.	5.4	46
35	Curved space or curved vacuum?. Astroparticle Physics, 2005, 24, 391-399.	4.3	44
36	The clustering of galaxies in the completed SDSS-III Baryon Oscillation Spectroscopic Survey: constraining modified gravity. Monthly Notices of the Royal Astronomical Society, 2018, 475, 2122-2131.	4.4	44

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37	Strong gravitational lensing and dark energy complementarity. Physical Review D, 2004, 70, .	4.7	43
38	Biased cosmology: Pivots, parameters, and figures of merit. Astroparticle Physics, 2006, 26, 102-110.	4.3	43
39	Model independent tests of cosmic growth versus expansion. Physical Review D, 2013, 87, .	4.7	41
40	Calibrating dark energy. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 042.	5.4	39
41	Cosmic curvature tested directly from observations. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 041-041.	5.4	39
42	On oscillating dark energy. Astroparticle Physics, 2006, 25, 167-171.	4.3	38
43	Shifting the Universe: early dark energy and standard rulers. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 004.	5.4	36
44	Testing Einstein gravity with cosmic growth and expansion. Physical Review D, 2012, 85, .	4.7	36
45	Consistent modified gravity analysis of anisotropic galaxy clustering using BOSS DR11. Physical Review D, 2015, 92, .	4.7	36
46	Moving mirror model for quasithermal radiation fields. Physical Review D, 2020, 101, .	4.7	36
47	Challenges in connecting modified gravity theory and observations. Physical Review D, 2017, 95, .	4.7	32
48	Eternal and evanescent black holes and accelerating mirror analogs. Physical Review D, 2018, 97, .	4.7	29
49	Dark energy from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>-attractors. Physical Review D, 2015, 91, .	4.7	28
50	Slicing the vacuum: New accelerating mirror solutions of the dynamical Casimir effect. Physical Review D, 2017, 96, .	4.7	27
51	Quintessenceâ€™s last stand?. Physical Review D, 2015, 91, .	4.7	26
52	Detecting helium reionization with fast radio bursts. Physical Review D, 2020, 101, .	4.7	26
53	Dark energy properties in DBI theory. Physical Review D, 2009, 80, .	4.7	25
54	Use of fast radio burst dispersion measures as distance measures. Physical Review D, 2019, 100, .	4.7	25

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55	Inflationary freedom and cosmological neutrino constraints. Physical Review D, 2014, 89, .	4.7	24
56	Cosmic growth and expansion conjoined. Astroparticle Physics, 2017, 86, 41-45.	4.3	24
57	ex machina: Vacuum metamorphosis and beyond <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e10478" altimg="si642.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mn>0</mml:mn></mml:mrow>	4.9	24
58	New Constraints on the Early Expansion History of the Universe. Physical Review Letters, 2013, 111, 041301.	7.8	22
59	Finite energy but infinite entropy production from moving mirrors. Physical Review D, 2019, 99, .	4.7	22
60	Dark before light: testing the cosmic expansion history through the cosmic microwave background. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 001-001.	5.4	21
61	Mirror at the edge of the universe: Reflections on an accelerated boundary correspondence with de Sitter cosmology. Physical Review D, 2020, 102, .	4.7	21
62	Field flows of dark energy. Journal of Cosmology and Astroparticle Physics, 2008, 2008, 015.	5.4	19
63	Extending the gravitational growth framework. Physical Review D, 2009, 79, .	4.7	19
64	Debiasing cosmic gravitational wave sirens. Monthly Notices of the Royal Astronomical Society, 2020, 491, 3983-3989.	4.4	19
65	Cosmographic degeneracy. Physical Review D, 2011, 84, .	4.7	18
66	Next generation strong lensing time delay estimation with Gaussian processes. Physical Review D, 2014, 90, .	4.7	17
67	Uniqueness of current cosmic acceleration. Physical Review D, 2010, 82, .	4.7	16
68	First Weak-lensing Results from â€œSee Changeâ€• Quantifying Dark Matter in the Two zÂâ‰³Â1.5 High-redshift Galaxy Clusters SPT-CL J2040â€“4451 and IDCS J1426+3508. Astrophysical Journal, 2017, 847, 117.	4.5	16
69	Complementarity of peculiar velocity surveys and redshift space distortions for testing gravity. Physical Review D, 2020, 101, .	4.7	16
70	Snapping supernovae at z>1.7. Astroparticle Physics, 2007, 27, 213-225.	4.3	15
71	Model-independent tests of cosmic gravity. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 4985-4997.	3.4	14
72	Cosmological tests using redshift space clustering in BOSS DR11. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 005-005.	5.4	14

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73	Finite thermal particle creation of Casimir light. Modern Physics Letters A, 2020, 35, 2040006.	1.2	14
74	Fast radio burst dispersion measure distribution as a probe of helium reionization. Physical Review D, 2021, 103, .	4.7	14
75	POLARBEAR: Ultra-high Energy Physics with Measurements of CMB Polarization. AIP Conference Proceedings, 2008, , .	0.4	13
76	Weak lensing cosmology beyond Î›CDM. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 011-011.	5.4	13
77	Cosmological constraints from the anisotropic clustering analysis using BOSS DR9. Physical Review D, 2014, 89, .	4.7	13
78	Limited modified gravity. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 042-042.	5.4	13
79	Dark energy scaling from dark matter to acceleration. Physical Review D, 2014, 90, .	4.7	12
80	The Influence of Evolving Dark Energy on Cosmology. Publications of the Astronomical Society of Australia, 2005, 22, 315-325.	3.4	11
81	Model independent early expansion history and dark energy. Physical Review D, 2012, 86, .	4.7	11
82	Testing dark matter clustering with redshift space distortions. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 031-031.	5.4	11
83	No Run Gravity. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 034-034.	5.4	11
84	Like vs like: Strategy and improvements in supernova cosmology systematics. Physical Review D, 2009, 79, .	4.7	10
85	Testing standard cosmology with large-scale structure. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	10
86	Photometric supernovae redshift systematics requirements. Physical Review D, 2019, 100, .	4.7	10
87	Be It Unresolved: Measuring Time Delays from Lensed Supernovae. Astrophysical Journal, 2021, 910, 65.	4.5	10
88	Accelerating boundary analog of a Kerr black hole. Classical and Quantum Gravity, 2021, 38, 085011.	4.0	10
89	Cosmology requirements on supernova photometric redshift systematics for the Rubin LSST and Roman Space Telescope. Physical Review D, 2021, 103, .	4.7	10
90	Theory challenges of the accelerating Universe. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 6697-6705.	2.1	9

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91	Generating and analyzing constrained dark energy equations of state and systematics functions. Physical Review D, 2010, 81, .	4.7	8
92	End of cosmic growth. Physical Review D, 2019, 99, .	4.7	8
93	Pole dark energy. Physical Review D, 2020, 101, .	4.7	8
94	The HST See Change Program. I. Survey Design, Pipeline, and Supernova Discoveries*. Astrophysical Journal, 2021, 912, 87.	4.5	8
95	Modified Schwarzschild metric from a unitary accelerating mirror analog. New Journal of Physics, 2021, 23, 043007.	2.9	7
96	Old dark energy. Physical Review D, 2010, 81, .	4.7	6
97	Power spectrum precision for redshift space distortions. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 025-025.	5.4	6
98	Cosmic growth signatures of modified gravitational strength. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 030-030.	5.4	6
99	Î› Is coming: Parametrizing freezing fields. Astroparticle Physics, 2017, 91, 11-14.	4.3	6
100	Dark Energy, Expansion History of the Universe, and SNAP. AIP Conference Proceedings, 2003, , .	0.4	5
101	CMB polarization impact on cosmological constraints. Physical Review D, 2012, 86, .	4.7	5
102	CMB lensing and scale dependent new physics. Physical Review D, 2016, 93, .	4.7	5
103	Light and Airy: A Simple Solution for Relativistic Quantum Acceleration Radiation. Universe, 2021, 7, 60.	2.5	5
104	Distinguishing time clustering of astrophysical bursts. Physical Review D, 2021, 104, .	4.7	5
105	PROBING DARK ENERGY WITH SNAP. , 2003, , .		5
106	Out of one, many: distinguishing time delays from lensed supernovae. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1210-1217.	4.4	5
107	Quantum power: a Lorentz invariant approach to Hawking radiation. European Physical Journal C, 2022, 82, 1.	3.9	5
108	Light thoughts on dark energy. New Astronomy Reviews, 2005, 49, 93-96.	12.8	4

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109	Seeing darkness: the new cosmology. Journal of Physics: Conference Series, 2006, 39, 56-62.	0.4	4
110	MÃ¶bius mirrors. Classical and Quantum Gravity, 2022, 39, 105003.	4.0	3
111	Deep learning unresolved lensed light curves. Monthly Notices of the Royal Astronomical Society, 2022, 515, 977-983.	4.4	2
112	Mapping the Dark Energy Equation of State. Symposium - International Astronomical Union, 2005, 216, 59-66.	0.1	1
113	Exploring early and late cosmology with next generation surveys. Physical Review D, 2020, 101, .	4.7	1
114	A novel approach for calculating galaxy rotation curves using spaxel cross-correlation and iterative smoothing. Monthly Notices of the Royal Astronomical Society, 2022, 514, 2278-2297.	4.4	0