Glenn D Starkman

List of Publications by Citations

151 papers	6,135 citations	41 h-index	75 g-index
161 ext. papers	6,744 ext. citations	5 avg, IF	5.82 L-index

#	Paper	IF	Citations
151	Is the low-l microwave background cosmic?. *Physical Review Letters*, **2004**, 93, 221301	7.4	340
150	Probing Newton constant on vast scales: Dvali-Gabadadze-Porrati gravity, cosmic acceleration, and large scale structure. *Physical Review D*, **2004**, 69,	4.9	270
149	Beyond . *Physics of the Dark Universe*, **2016**, 12, 56-99	4.4	249
148	Multipole vectors: A new representation of the CMB sky and evidence for statistical anisotropy or non-Gaussianity at 2?l?8. *Physical Review D*, **2004**, 70,	4.9	238
147	Parametrization of dark-energy properties: a principal-component approach. *Physical Review Letters*, **2003**, 90, 031301	7.4	230
146	On the large-angle anomalies of the microwave sky. *Monthly Notices of the Royal Astronomical Society*, **2006**, 367, 79-102	4.3	202
145	Uncorrelated universe: Statistical anisotropy and the vanishing angular correlation function in WMAP years 1. *Physical Review D*, **2007**, 75,	4.9	194
144	Circles in the sky: finding topology with the microwave background radiation. *Classical and Quantum Gravity*, **1998**, 15, 2657-2670	3.3	178
143	Systematic SO(10) operator analysis for fermion masses. *Physical Review D*, **1994**, 49, 3660-3690	4.9	164
142	Differentiating between modified gravity and dark energy. *Physical Review D*, **2004**, 69,	4.9	162
141	Gravitational leakage into extra dimensions: Probing dark energy using local gravity. *Physical Review D*, **2003**, 67,	4.9	158
140	CMB anomalies after Planck. *Classical and Quantum Gravity*, **2016**, 33, 184001	3.3	152
139	Opening the window on strongly interacting dark matter. *Physical Review D*, **1990**, 41, 3594-3603	4.9	149
138	Compact hyperbolic extra dimensions: branes, kaluza-klein modes, and cosmology. *Physical Review Letters*, **2000**, 85, 928-31	7.4	146
137	Large-Angle Anomalies in the CMB. *Advances in Astronomy*, **2010**, 2010, 1-17	0.9	144
136	Is the universe closed by baryons? Nucleosynthesis with a late-decaying massive particle. *Astrophysical Journal*, **1988**, 330, 545	4.7	139
135	Constraining the topology of the universe. *Physical Review Letters*, **2004**, 92, 201302	7.4	138

134	How a brane cosmological constant can trick us into thinking that w. *Physical Review D*, **2004**, 70,	4.9	137
133	No large-angle correlations on the non-Galactic microwave sky. *Monthly Notices of the Royal Astronomical Society*, **2009**, 399, 295-303	4.3	110
132	Getting a charge out of dark matter. *Physical Review D*, **1990**, 41, 2388-2397	4.9	110
131	Limits on late decaying particles from nucleosynthesis. *Nuclear Physics B*, **1989**, 311, 699-718	2.8	97
130	BlackMax: A black-hole event generator with rotation, recoil, split branes, and brane tension. *Physical Review D*, **2008**, 77,	4.9	83
129	Vector-tensor nature of Bekenstein□ relativistic theory of modified gravity. *Physical Review D*, **2006**, 74,	4.9	83
128	Cross sections for lepton- and baryon-number-violating processes from supersymmetry at p-p-bar colliders. *Physical Review D*, **1990**, 41, 2099-2112	4.9	82
127	Homogeneity, flatness, and "large" extra dimensions. *Physical Review Letters*, **2001**, 87, 231303	7.4	79
126	Does Chaotic Mixing Facilitate Omega . *Physical Review Letters*, **1996**, 77, 215-218	7.4	79
125	Large extra dimensions and cosmological problems. *Physical Review D*, **2001**, 63,	4.9	76
124	Macro dark matter. *Monthly Notices of the Royal Astronomical Society*, **2015**, 450, 3418-3430	4.3	65
123	Improved constraints on cosmological parameters from Type Ia supernova data. *Monthly Notices of the Royal Astronomical Society*, **2011**, 418, 2308-2329	4.3	65
122	Life, the Universe, and Nothing: Life and Death in an Ever-expanding Universe. *Astrophysical Journal*, **2000**, 531, 22-30	4.7	65
121	Topology and cosmology. *Classical and Quantum Gravity*, **1998**, 15, 2529-2538	3.3	59
120	Big bang nucleosynthesis constraints on primordial magnetic fields. *Physical Review D*, **1996**, 54, 7207-7214	4.9	58
119	Departures from the Friedmann-Lemaitre-Robertston-Walker Cosmological Model in an Inhomogeneous Universe: A Numerical Examination. *Physical Review Letters*, **2016**, 116, 251301	7.4	57
118	Laboratory limits on solar axions from an ultralow-background germanium spectrometer. *Physical Review D*, **1987**, 35, 2752-2757	4.9	50
117	Extending the WMAP bound on the size of the Universe. *Physical Review D*, **2007**, 75,	4.9	48

116	Can COBE see the shape of the universe?. *Physical Review D*, **1998**, 57, 5982-5996	4.9	47
115	Large-scale alignments from WMAP and Planck. *Monthly Notices of the Royal Astronomical Society*, **2015**, 449, 3458-3470	4.3	45
114	Primordial nucleosynthesis without a computer. *Astrophysical Journal*, **1991**, 378, 504	4.7	43
113	Lack of large-angle TT correlations persists in WMAP and Planck. *Monthly Notices of the Royal Astronomical Society*, **2015**, 451, 2978-2985	4.3	42
112	Solving the cosmic lithium problems with primordial late-decaying particles. *Physical Review D*, **2007**, 76,	4.9	42
111	A quantitative measure of structure in the three-dimensional galaxy distribution - Sheets and filaments. *Astrophysical Journal*, **1992**, 401, 28	4.7	41
110	Radion stabilization in compact hyperbolic extra dimensions. *Physical Review D*, **2002**, 66,	4.9	40
109	Kiloelectronvolt-era nucleosynthesis and its implications. *Physical Review Letters*, **1988**, 60, 7-10	7.4	40
108	Evaporation of a black hole off of a tense brane. *Physical Review D*, **2007**, 75,	4.9	38
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105	TheBig Occulting Steerable Satellite(BOSS). *Astrophysical Journal*, **2000**, 532, 581-592	4.7	36
104	Atomic enhancements in the detection of weakly interacting particles. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1986**, 168, 145-150	4.2	35
103	Holes in the walls: Primordial black holes as a solution to the cosmological domain wall problem. *Physical Review D*, **2005**, 72,	4.9	32
102	Missing power vs low-□alignments in the cosmic microwave background: No correlation in the standard cosmological model. *Astroparticle Physics*, **2011**, 34, 591-594	2.4	30
101	Dark energy, colored anti□e Sitter vacuum, and the CERN Large Hadron Collider phenomenology. *Physical Review D*, **2008**, 77,	4.9	29
100	Measuring the topology of the universe. *Proceedings of the National Academy of Sciences of the United States of America*, **1998**, 95, 82-4	11.5	29
99	Stellar energy transfer by keV-mass scalars. *Physical Review D*, **1989**, 40, 942-947	4.9	29

98	Large-angle cosmic microwave background suppression and polarization predictions. *Monthly Notices of the Royal Astronomical Society*, **2013**, 434, 3590-3596	4.3	28
97	Zero modes of fermions with a general mass matrix. *Physical Review D*, **2002**, 65,	4.9	26
96	Axiorecombination: A new mechanism for stellar axion production. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1986**, 179, 223-227	4.2	26
95	Einstein's theory of gravity and the problem of missing mass. *Science*, **2009**, 326, 812-5	33.3	25
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93	Constraints on the topology of the Universe: Extension to general geometries. *Physical Review D*, **2012**, 86,	4.9	21
92	Production of black holes and their angular momentum distribution in models with split fermions. *Physical Review D*, **2006**, 73,	4.9	20
91	Observation of Cosmic Acceleration and Determining the Fate of the Universe. *Physical Review Letters*, **1999**, 83, 1510-1513	7.4	20
90	INFORMATION-PRESERVING BLACK HOLES STILL DO NOT PRESERVE BARYON NUMBER AND OTHER EFFECTIVE GLOBAL QUANTUM NUMBERS. *International Journal of Modern Physics D*, **2005**, 14, 2293-2300	2.2	19
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86	Gravitational lenses in generalized Einstein-aether theory: The bullet cluster. *Physical Review D*, **2008**, 78,	4.9	17
85	Why black hole production in scattering of cosmic ray neutrinos is generically suppressed. *Physical Review Letters*, **2006**, 96, 041303	7.4	17
84	Squeezing MOND into a Cosmological Scenario. *Physical Review Letters*, **2004**, 92, 131102	7.4	17
83	Cosmology Intertwined: A Review of the Particle Physics, Astrophysics, and Cosmology Associated with the Cosmological Tensions and Anomalies. *Journal of High Energy Astrophysics*, **2022**, 34, 49-49	2.5	17
82	Beating non-linearities: improving the baryon acoustic oscillations with the linear point. *Monthly Notices of the Royal Astronomical Society*, **2016**, 455, 2474-2483	4.3	16
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72	Neutrino lasing in the early Universe. *Physical Review Letters*, **1993**, 71, 1128-1131	7.4	12
71	Linear point standard ruler for galaxy survey data: Validation with mock catalogs. *Physical Review D*, **2018**, 98,	4.9	11
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69	Retarded Green functions in perturbed spacetimes for cosmology and gravitational physics. *Physical Review D*, **2011**, 84,	4.9	11
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66	Difficulties in explaining the cosmic photon excess with compact composite object dark matter. *Physical Review D*, **2008**, 77,	4.9	10
65	Galactic cosmic strings as sources of primary antiprotons. *Physical Review D*, **1996**, 53, R6711-R6714	4.9	10
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61	CMB-S4: Forecasting Constraints on Primordial Gravitational Waves. *Astrophysical Journal*, **2022**, 926, 54	4.7	9
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56	Anthropic arguments and the cosmological constant, with and without the assumption of typicality. *Physical Review Letters*, **2008**, 100, 041301	7.4	8
55	LATE TIME DECAY OF THE FALSE VACUUM, MEASUREMENT, AND QUANTUM COSMOLOGY. *International Journal of Modern Physics D*, **2008**, 17, 2501-2505	2.2	8
54	Is the universe inflating? Dark energy and the future of the universe. *Physical Review D*, **2002**, 66,	4.9	8
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52	Almost-standard big-bang nucleosynthesis with Omega Bh20 >> 0.015: A reexamination of neutrino chemical potentials and Delta G. *Physical Review D*, **1992**, 45, 476-480	4.9	7
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49	CMB-S4 and the hemispherical variance anomaly. *Monthly Notices of the Royal Astronomical Society*, **2017**, 470, 372-378	4.3	6
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45	Using quasars as standard clocks for measuring cosmological redshift. *Physical Review Letters*, **2012**, 108, 231302	7.4	6

44	Two-loop calculation of the effective potential for the Wess-Zumino model. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1983**, 133, 393-397	4.2	6
43	The ISW effect and the lack of large-angle CMB temperature correlations. *Monthly Notices of the Royal Astronomical Society*, **2016**, 463, 3305-3310	4.3	6
42	Death and serious injury from dark matter. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2020**, 803, 135300	4.2	5
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29	Counter-top search for macroscopic dark matter. *Physical Review D*, **2019**, 100,	4.9	4
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25	Publisher Note: Reconsidering seismological constraints on the available parameter space of macroscopic dark matter [Phys. Rev. D 95, 063006 (2017)]. *Physical Review D*, **2017**, 95,	4.9	2
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15	New geometric representations of the CMB two-point correlation function. *Physical Review D*, **2015**, 92,	4.9	1
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13	Hemispherical variance anomaly and reionization optical depth. *Monthly Notices of the Royal Astronomical Society*, **2020**, 499, 3563-3570	4.3	1
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8 Modern Physics: Inflation, and the Horizon and Flatness Problems **1999**, 1-7

7 Appendix B: Eight Conceptual Questions Answered in the Text **1999**, 1-1

6 Clustering and Large Scale Structure Formation **1999**, 1-4

5 Appendx A: Clustering Program Source Code (Fortran Version) **1999**, 1-16

4 Weighing the Universe, and Dark Matter **1999**, 1-7

3 The Expansion of The Universe Its Geometry and Topology **1999**, 1-17

2 Big Bang Nucleosynthesis (BBN) **1999**, 1-6

1 Improved Cosmological Constraints from a Bayesian Hierarchical Model of Supernova Type Ia Data **2013**, 203-235