

Gary Shiu

List of Publications by Year in descending order

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125
papers

7,720
citations

50276

46
h-index

51608

86
g-index

127
all docs

127
docs citations

127
times ranked

2048
citing authors

#	ARTICLE	IF	CITATIONS
1	Observational signatures and non-Gaussianities of general single-field inflation. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 002-002.	5.4	717
2	Chiral four-dimensional N=1 supersymmetric type IIA orientifolds from intersecting D6-branes. Nuclear Physics B, 2001, 615, 3-32.	2.5	420
3	TOWARD REALISTIC INTERSECTING D-BRANE MODELS. Annual Review of Nuclear and Particle Science, 2005, 55, 71-139.	10.2	411
4	Three-Family Supersymmetric Standardlike Models from Intersecting Brane Worlds. Physical Review Letters, 2001, 87, 201801.	7.8	344
5	TeV scale superstring and extra dimensions. Physical Review D, 1998, 58, .	4.7	276
6	Inflation as a probe of short distance physics. Physical Review D, 2001, 64, .	4.7	245
7	Generic estimate of trans-Planckian modifications to the primordial power spectrum in inflation. Physical Review D, 2002, 66, .	4.7	189
8	F-term axion monodromy inflation. Journal of High Energy Physics, 2014, 2014, 1.	4.7	168
9	Fencing in the swampland: quantum gravity constraints on large field inflation. Journal of High Energy Physics, 2015, 2015, 1.	4.7	154
10	Imprints of short distance physics on inflationary cosmology. Physical Review D, 2003, 67, .	4.7	134
11	Warped compactifications in M and F theory. Nuclear Physics B, 2000, 584, 480-508.	2.5	132
12	Building MSSM Flux Vacua. Journal of High Energy Physics, 2004, 2004, 041-041.	4.7	132
13	REMARKS ON INFLATION AND NONCOMMUTATIVE GEOMETRY. Modern Physics Letters A, 2001, 16, 2231-2240.	1.2	129
14	Inflationary trispectrum for models with large non-Gaussianities. Physical Review D, 2006, 74, .	4.7	125
15	Cosmological constraints on tachyon matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 541, 6-15.	4.1	123
16	Gravity waves and non-Gaussian features from particle production in a sector gravitationally coupled to the inflaton. Physical Review D, 2012, 86, .	4.7	122
17	Towards classical de Sitter solutions in string theory. Journal of High Energy Physics, 2009, 2009, 114-114.	4.7	118
18	The Weak Gravity Conjecture in three dimensions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	115

#	ARTICLE	IF	CITATIONS
19	Phenomenology of a three-family standardlike string model. <i>Physical Review D</i> , 2002, 66, .	4.7	105
20	A Tower Weak Gravity Conjecture from Infrared Consistency. <i>Fortschritte Der Physik</i> , 2018, 66, 1800020.	4.4	100
21	Some aspects of brane inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 516, 421-430.	4.1	98
22	Weak Gravity Conjecture from Unitarity and Causality. <i>Physical Review Letters</i> , 2019, 123, 051601.	7.8	93
23	Dynamics of warped flux compactifications. <i>Journal of High Energy Physics</i> , 2008, 2008, 024-024.	4.7	92
24	Supersymmetric three family SU(5) grand unified models from type IIA orientifolds with intersecting D6-branes. <i>Nuclear Physics B</i> , 2003, 659, 193-223.	2.5	89
25	Minimal supersymmetric standard model string vacua from flux compactifications. <i>Physical Review D</i> , 2005, 71, .	4.7	86
26	Reconciliation of high energy scale models of inflation with Planck. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 025-025.	5.4	83
27	Effective field theory and decoupling in multifield inflation: An illustrative case study. <i>Physical Review D</i> , 2011, 84, .	4.7	81
28	DBI inflation in the tip region of a warped throat. <i>Journal of High Energy Physics</i> , 2006, 2006, 076-076.	4.7	80
29	A note on calm excited states of inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 025-025.	5.4	80
30	A chiral $N=1$ type I vacuum in four dimensions and its heterotic dual. <i>Physical Review D</i> , 1997, 56, 3686-3697.	4.7	79
31	A three-family standard-like orientifold model: Yukawa couplings and hierarchy. <i>Nuclear Physics B</i> , 2002, 642, 139-156.	2.5	74
32	Decoupling in an expanding universe: boundary RG-flow affects initial conditions for inflation. <i>Journal of High Energy Physics</i> , 2004, 2004, 076-076.	4.7	73
33	Multifield Dirac-Born-Infeld inflation and non-Gaussianities. <i>Physical Review D</i> , 2008, 77, .	4.7	71
34	Non-Bunchâ€Davis initial state reconciles chaotic models with BICEP and Planck. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 737, 98-102.	4.1	68
35	Gravitational Waves from Oscillons with Cuspy Potentials. <i>Physical Review Letters</i> , 2018, 120, 031301.	7.8	65
36	Warped reheating in multi-throat brane inflation. <i>Journal of High Energy Physics</i> , 2006, 2006, 014-014.	4.7	62

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37	Decoupling in an expanding universe: backreaction barely constrains short distance effects in the cosmic microwave background. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005, 2005, 001-001.	5.4	60
38	Four-dimensional chiral $N = 1$ type I vacua with and without D5-branes. <i>Nuclear Physics B</i> , 1998, 520, 75-92.	2.5	59
39	Stability constraints on classical de Sitter vacua. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	58
40	Type IIB orientifolds with NS-NS antisymmetric tensor backgrounds. <i>Physical Review D</i> , 1998, 58, .	4.7	57
41	Rolling tachyon in brane world cosmology from superstring field theory. <i>Physical Review D</i> , 2003, 67, .	4.7	56
42	Non-supersymmetric infrared perturbations to the warped deformed conifold. <i>Nuclear Physics B</i> , 2011, 842, 383-413.	2.5	55
43	Infinite Set of Soft Theorems in Gauge-Gravity Theories as Ward-Takahashi Identities. <i>Physical Review Letters</i> , 2018, 120, 201601.	7.8	54
44	Momentum space approach to crossing symmetric CFT correlators. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	53
45	Understanding KKLT from a 10d perspective. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	50
46	A global view on the search for de Sitter vacua in (Type IIA) string theory. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	49
47	Large primordial trispectra in general single field inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 008-008.	5.4	46
48	On the signature of short distance scale in the cosmic microwave background. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 536, 1-8.	4.1	45
49	Open string wavefunctions in warped compactifications. <i>Journal of High Energy Physics</i> , 2009, 2009, 095-095.	4.7	45
50	Branes and the swampland. <i>Physical Review D</i> , 2019, 100, .	4.7	45
51	On brane gaugino condensates in 10d. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	43
52	Bose-Fermi degeneracy and duality in non-supersymmetric strings. <i>Nuclear Physics B</i> , 1999, 542, 45-72.	2.5	42
53	Searching the landscape of flux vacua with genetic algorithms. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	42
54	D matter. <i>Physical Review D</i> , 2004, 69, .	4.7	40

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55	The cosmological vacuum ambiguity, effective actions, and transplanckian effects in inflation. AIP Conference Proceedings, 2004, , .	0.4	38
56	Minimal simple de Sitter solutions. Physical Review D, 2009, 79, .	4.7	37
57	On axionic field ranges, loopholes and the weak gravity conjecture. Journal of High Energy Physics, 2016, 2016, 1-13.	4.7	37
58	Topological data analysis for the string landscape. Journal of High Energy Physics, 2019, 2019, 1.	4.7	37
59	Chaos and complementarity in de Sitter space. Journal of High Energy Physics, 2020, 2020, 1.	4.7	37
60	Thermodynamics of 4D dilatonic black holes and the weak gravity conjecture. Physical Review D, 2020, 102, .	4.7	37
61	Collider signatures from the brane world. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 274-282.	4.1	35
62	Millicharged Dark Matter in Quantum Gravity and String Theory. Physical Review Letters, 2013, 110, 241304.	7.8	33
63	Model building and phenomenology of flux-induced supersymmetry breaking on D3-branes. Nuclear Physics B, 2005, 712, 20-58.	2.5	31
64	Momentum space approach to crossing symmetric CFT correlators. Part II. General spacetime dimension. Journal of High Energy Physics, 2019, 2019, 1.	4.7	31
65	On the Hagedorn behaviour of pp-wave strings and SYM theory at finite R-charge density. Nuclear Physics B, 2003, 652, 105-126.	2.5	30
66	Weak gravity conjecture, multiple point principle and the standard model landscape. Journal of High Energy Physics, 2017, 2017, 1.	4.7	30
67	A REVIEW OF THREE-FAMILY GRAND UNIFIED STRING MODELS. International Journal of Modern Physics A, 1998, 13, 2551-2598.	1.5	29
68	Large field inflation from axion mixing. Journal of High Energy Physics, 2015, 2015, 1.	4.7	29
69	Observing the Geometry of Warped Compactification via Cosmic Inflation. Physical Review Letters, 2007, 98, 051301.	7.8	28
70	Soft branes in supersymmetry-breaking backgrounds. Journal of High Energy Physics, 2012, 2012, 1.	4.7	28
71	Building a StÅ¼ckelberg portal. Journal of High Energy Physics, 2014, 2014, 1.	4.7	28
72	Chiral matter wavefunctions in warped compactifications. Journal of High Energy Physics, 2011, 2011, 1.	4.7	27

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73	Correlating correlation functions of primordial perturbations. <i>Physical Review D</i> , 2014, 89, .	4.7	27
74	Duality and axionic weak gravity. <i>Physical Review D</i> , 2020, 102, .	4.7	27
75	RAPID TUNNELING AND PERCOLATION IN THE LANDSCAPE. <i>International Journal of Modern Physics A</i> , 2009, 24, 741-788.	1.5	26
76	Gravitational wave production after inflation with cuspy potentials. <i>Physical Review D</i> , 2019, 99, .	4.7	26
77	D3-brane vacua in stabilized compactifications. <i>Journal of High Energy Physics</i> , 2007, 2007, 121-121.	4.7	24
78	Flux flattening in axion monodromy inflation. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	24
79	Systematics of multi-field effects at the end of warped brane inflation. <i>Journal of High Energy Physics</i> , 2008, 2008, 011-011.	4.7	23
80	Widening the Axion Window via Kinetic and Stueckelberg Mixings. <i>Physical Review Letters</i> , 2015, 115, 181601.	7.8	22
81	Memory in de Sitter space and Bondi-Metzner-Sachs-like supertranslations. <i>Physical Review D</i> , 2017, 96, .	4.7	22
82	Dynamical topology change in M theory. <i>Journal of Mathematical Physics</i> , 2001, 42, 3171-3187.	1.1	21
83	Inflation on an open racetrack. <i>Journal of High Energy Physics</i> , 2009, 2009, 083-083.	4.7	21
84	Top quarks as a window to string resonances. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	21
85	Probing Hidden Sectors with Stueckelberg U(1) Gauge Fields. <i>Physical Review Letters</i> , 2014, 113, 061802.	7.8	21
86	Persistent homology and non-Gaussianity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 025-025.	5.4	21
87	The persistence of large scale structures. Part I. Primordial non-Gaussianity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 061.	5.4	21
88	On quantum corrected Kähler potentials in F-theory. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	20
89	Effective field theory for spacetime symmetry breaking. <i>Physical Review D</i> , 2015, 92, .	4.7	20
90	Brane curvature corrections to the $N = 1$ type II/F-theory effective action. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	19

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91	Weak Gravity Conjecture and extremal black holes. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	19
92	Weak gravity conjecture, black hole entropy, and modular invariance. Journal of High Energy Physics, 2019, 2019, 1.	4.7	19
93	Duality and supersymmetry constraints on the weak gravity conjecture. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19
94	750 GeV diphoton resonance and inflation. Physical Review D, 2016, 93, .	4.7	18
95	Probing the Geometry of Warped String Compactifications at the Large Hadron Collider. Physical Review Letters, 2008, 100, 031601.	7.8	17
96	Tunneling in axion monodromy. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
97	On supersymmetric D7-branes in the warped deformed conifold. Journal of High Energy Physics, 2010, 2010, 1.	4.7	16
98	Phenomenology of infrared smooth warped extra dimensions. Journal of High Energy Physics, 2008, 2008, 012-012.	4.7	14
99	Study of the consistency relation for single-field inflation with power spectrum oscillations. Physical Review D, 2013, 88, .	4.7	14
100	Holographic non-Gaussianities in general single-field inflation. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
101	Path integral for multi-field inflation. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
102	Electromagnetic duality and the electric memory effect. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
103	A new spin on the Weak Gravity Conjecture. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
104	Inflation as a probe of trans-Planckian physics: a brief review and progress report1. Journal of Physics: Conference Series, 2005, 18, 188-223.	0.4	12
105	Higgs mechanism in nonlocal field theories. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
106	Breeding Realistic D-brane Models. Fortschritte Der Physik, 2022, 70, .	4.4	9
107	D-brane spectrum and K-theory constraints of D= 4, Script N = 1 orientifolds. Journal of High Energy Physics, 2006, 2006, 052-052.	4.7	8
108	CHIRAL TYPE II ORIENTIFOLD CONSTRUCTIONS AS M THEORY ON G2 HOLONOMY SPACES. , 2002, , .		8

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109	Vacuum Sampling in the Landscape during Inflation. <i>Physical Review Letters</i> , 2007, 99, 161302.	7.8	7
110	Phenomenology of 3-family grand unified string models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 408, 173-182.	4.1	6
111	Phases of inflation. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	6
112	Completing the D7-brane local gaugino action. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	6
113	Large gauge transformations and little group for soft photons. <i>Physical Review D</i> , 2017, 96, .	4.7	5
114	TACHYON DYNAMICS AND BRANE COSMOLOGY. , 2003, , .		4
115	(Re)constructing dimensions. <i>Journal of High Energy Physics</i> , 2003, 2003, 045-045.	4.7	3
116	Strong dynamics and natural inflation. <i>Physical Review D</i> , 2018, 98, .	4.7	3
117	Anomaly cancelations in orientifolds with quantized B-flux. <i>Nuclear Physics B</i> , 2000, 569, 329-361.	2.5	2
118	The exact spectrum of scalar field perturbations in a radiation deformed closed de Sitter universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 002-002.	5.4	2
119	Dark Energy in String Theory. <i>Advanced Series on Directions in High Energy Physics</i> , 2015, , 385-410.	0.7	2
120	On type IIB superstrings in less than four dimensions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 521, 114-118.	4.1	1
121	PROBING STRINGS FROM THE SKY. <i>Modern Physics Letters A</i> , 2004, 19, 1071-1078.	1.2	0
122	Towards the "Shape" of Cosmological Observables and the String Theory Landscape with Topological Data Analysis. <i>Signals and Communication Technology</i> , 2021, , 219-244.	0.5	0
123	Recent Developments in M Physics. , 2002, , .		0
124	PROBING STRINGS FROM THE SKY. , 2004, , .		0
125	Strings for Particle Physicists. , 2010, , .		0