

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	Breeding Realistic D-brane Models. Fortschritte Der Physik, 2022, 70, .	4.4	9
2	Towards the "Shape" of Cosmological Observables and the String Theory Landscape with Topological Data Analysis. Signals and Communication Technology, 2021, , 219-244.	0.5	0
3	A new spin on the Weak Gravity Conjecture. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
4	The persistence of large scale structures. Part I. Primordial non-Gaussianity. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 061.	5.4	21
5	Completing the D7-brane local gaugino action. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
6	Duality and supersymmetry constraints on the weak gravity conjecture. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19
7	Chaos and complementarity in de Sitter space. Journal of High Energy Physics, 2020, 2020, 1.	4.7	37
8	Thermodynamics of 4D dilatonic black holes and the weak gravity conjecture. Physical Review D, 2020, 102, .	4.7	37
9	Duality and axionic weak gravity. Physical Review D, 2020, 102, .	4.7	27
10	On brane gaugino condensates in 10d. Journal of High Energy Physics, 2019, 2019, 1.	4.7	43
11	Weak Gravity Conjecture from Unitarity and Causality. Physical Review Letters, 2019, 123, 051601.	7.8	93
12	Understanding KKLT from a 10d perspective. Journal of High Energy Physics, 2019, 2019, 1.	4.7	50
13	Weak Gravity Conjecture and extremal black holes. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	19
14	Weak gravity conjecture, black hole entropy, and modular invariance. Journal of High Energy Physics, 2019, 2019, 1.	4.7	19
15	Branes and the swampland. Physical Review D, 2019, 100, .	4.7	45
16	Gravitational wave production after inflation with cuspy potentials. Physical Review D, 2019, 99, .	4.7	26
17	Topological data analysis for the string landscape. Journal of High Energy Physics, 2019, 2019, 1.	4.7	37
18	Momentum space approach to crossing symmetric CFT correlators. Part II. General spacetime dimension. Journal of High Energy Physics, 2019, 2019, 1.	4.7	31

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19	Searching the landscape of flux vacua with genetic algorithms. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	42
20	Persistent homology and non-Gaussianity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 025-025.	5.4	21
21	Gravitational Waves from Oscillons with Cuspy Potentials. <i>Physical Review Letters</i> , 2018, 120, 031301.	7.8	65
22	Electromagnetic duality and the electric memory effect. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	13
23	Phases of inflation. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	6
24	Strong dynamics and natural inflation. <i>Physical Review D</i> , 2018, 98, .	4.7	3
25	Momentum space approach to crossing symmetric CFT correlators. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	53
26	Higgs mechanism in nonlocal field theories. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	9
27	Infinite Set of Soft Theorems in Gauge-Gravity Theories as Ward-Takahashi Identities. <i>Physical Review Letters</i> , 2018, 120, 201601.	7.8	54
28	A Tower Weak Gravity Conjecture from Infrared Consistency. <i>Fortschritte Der Physik</i> , 2018, 66, 1800020.	4.4	100
29	Memory in de Sitter space and Bondi-Metzner-Sachs-like supertranslations. <i>Physical Review D</i> , 2017, 96, .	4.7	22
30	Large gauge transformations and little group for soft photons. <i>Physical Review D</i> , 2017, 96, .	4.7	5
31	Weak gravity conjecture, multiple point principle and the standard model landscape. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	30
32	Flux flattening in axion monodromy inflation. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	24
33	Tunneling in axion monodromy. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	17
34	Holographic non-Gaussianities in general single-field inflation. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	14
35	750 GeV diphoton resonance and inflation. <i>Physical Review D</i> , 2016, 93, .	4.7	18
36	Path integral for multi-field inflation. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	14

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37	The Weak Gravity Conjecture in three dimensions. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	115
38	On axionic field ranges, loopholes and the weak gravity conjecture. <i>Journal of High Energy Physics</i> , 2016, 2016, 1-13.	4.7	37
39	Effective field theory for spacetime symmetry breaking. <i>Physical Review D</i> , 2015, 92, .	4.7	20
40	Widening the Axion Window via Kinetic and StÃ¼ckelberg Mixings. <i>Physical Review Letters</i> , 2015, 115, 181601.	7.8	22
41	Large field inflation from axion mixing. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	29
42	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
43	Dark Energy in String Theory. <i>Advanced Series on Directions in High Energy Physics</i> , 2015, , 385-410.	0.7	2
44	Fencing in the swampland: quantum gravity constraints on large field inflation. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	154
45	F-term axion monodromy inflation. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	168
46	Probing Hidden Sectors with StÃ¼ckelberg U(1) Gauge Fields. <i>Physical Review Letters</i> , 2014, 113, 061802.	7.8	21
47	Correlating correlation functions of primordial perturbations. <i>Physical Review D</i> , 2014, 89, .	4.7	27
48	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
49	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
50	Building a StÃ¼ckelberg portal. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	28
51	On quantum corrected KÃ¤hler potentials in F-theory. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	20
52	Study of the consistency relation for single-field inflation with power spectrum oscillations. <i>Physical Review D</i> , 2013, 88, .	4.7	14
53	Millicharged Dark Matter in Quantum Gravity and String Theory. <i>Physical Review Letters</i> , 2013, 110, 241304.	7.8	33
54	Gravity waves and non-Gaussian features from particle production in a sector gravitationally coupled to the inflaton. <i>Physical Review D</i> , 2012, 86, .	4.7	122

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55	Soft branes in supersymmetry-breaking backgrounds. Journal of High Energy Physics, 2012, 2012, 1.	4.7	28
56	A global view on the search for de Sitter vacua in (Type IIA) string theory. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
57	Effective field theory and decoupling in multifield inflation: An illustrative case study. Physical Review D, 2011, 84, .	4.7	81
58	Non-supersymmetric infrared perturbations to the warped deformed conifold. Nuclear Physics B, 2011, 842, 383-413.	2.5	55
59	Chiral matter wavefunctions in warped compactifications. Journal of High Energy Physics, 2011, 2011, 1.	4.7	27
60	Stability constraints on classical de Sitter vacua. Journal of High Energy Physics, 2011, 2011, 1.	4.7	58
61	A note on calm excited states of inflation. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 025-025.	5.4	80
62	On supersymmetric D7-branes in the warped deformed conifold. Journal of High Energy Physics, 2010, 2010, 1.	4.7	16
63	Top quarks as a window to string resonances. Journal of High Energy Physics, 2010, 2010, 1.	4.7	21
64	Strings for Particle Physicists. , 2010, , .		0
65	Minimal simple de Sitter solutions. Physical Review D, 2009, 79, .	4.7	37
66	RAPID TUNNELING AND PERCOLATION IN THE LANDSCAPE. International Journal of Modern Physics A, 2009, 24, 741-788.	1.5	26
67	Towards classical de Sitter solutions in string theory. Journal of High Energy Physics, 2009, 2009, 114-114.	4.7	118
68	Large primordial trispectra in general single field inflation. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 008-008.	5.4	46
69	Open string wavefunctions in warped compactifications. Journal of High Energy Physics, 2009, 2009, 095-095.	4.7	45
70	Inflation on an open racetrack. Journal of High Energy Physics, 2009, 2009, 083-083.	4.7	21
71	Multifield Dirac-Born-Infeld inflation and non-Gaussianities. Physical Review D, 2008, 77, .	4.7	71
72	Dynamics of warped flux compactifications. Journal of High Energy Physics, 2008, 2008, 024-024.	4.7	92

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73	Phenomenology of infrared smooth warped extra dimensions. Journal of High Energy Physics, 2008, 2008, 012-012.	4.7	14
74	Probing the Geometry of Warped String Compactifications at the Large Hadron Collider. Physical Review Letters, 2008, 100, 031601.	7.8	17
75	Systematics of multi-field effects at the end of warped brane inflation. Journal of High Energy Physics, 2008, 2008, 011-011.	4.7	23
76	The exact spectrum of scalar field perturbations in a radiation deformed closed de Sitter universe. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 002-002.	5.4	2
77	D3-brane vacua in stabilized compactifications. Journal of High Energy Physics, 2007, 2007, 121-121.	4.7	24
78	Observational signatures and non-Gaussianities of general single-field inflation. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 002-002.	5.4	717
79	Vacuum Sampling in the Landscape during Inflation. Physical Review Letters, 2007, 99, 161302.	7.8	7
80	Observing the Geometry of Warped Compactification via Cosmic Inflation. Physical Review Letters, 2007, 98, 051301.	7.8	28
81	DBI inflation in the tip region of a warped throat. Journal of High Energy Physics, 2006, 2006, 076-076.	4.7	80
82	Warped reheating in multi-throat brane inflation. Journal of High Energy Physics, 2006, 2006, 014-014.	4.7	62
83	D-brane spectrum and K-theory constraints of $D=4$, $Spin(N=1)$ orientifolds. Journal of High Energy Physics, 2006, 2006, 052-052.	4.7	8
84	Inflationary trispectrum for models with large non-Gaussianities. Physical Review D, 2006, 74, .	4.7	125
85	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
86	Decoupling in an expanding universe: backreaction barely constrains short distance effects in the cosmic microwave background. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 001-001.	5.4	60
87	TOWARD REALISTIC INTERSECTING D-BRANE MODELS. Annual Review of Nuclear and Particle Science, 2005, 55, 71-139.	10.2	411
88	Minimal supersymmetric standard model string vacua from flux compactifications. Physical Review D, 2005, 71, .	4.7	86
89	Model building and phenomenology of flux-induced supersymmetry breaking on D3-branes. Nuclear Physics B, 2005, 712, 20-58.	2.5	31
90	Decoupling in an expanding universe: boundary RG-flow affects initial conditions for inflation. Journal of High Energy Physics, 2004, 2004, 076-076.	4.7	73

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91	Building MSSM Flux Vacua. Journal of High Energy Physics, 2004, 2004, 041-041.	4.7	132
92	The cosmological vacuum ambiguity, effective actions, and transplanckian effects in inflation. AIP Conference Proceedings, 2004, , .	0.4	38
93	D matter. Physical Review D, 2004, 69, .	4.7	40
94	PROBING STRINGS FROM THE SKY. Modern Physics Letters A, 2004, 19, 1071-1078.	1.2	0
95	PROBING STRINGS FROM THE SKY. , 2004, , .		0
96	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
97	Supersymmetric three family SU(5) grand unified models from type IIA orientifolds with intersecting D6-branes. Nuclear Physics B, 2003, 659, 193-223.	2.5	89
98	Imprints of short distance physics on inflationary cosmology. Physical Review D, 2003, 67, .	4.7	134
99	Rolling tachyon in brane world cosmology from superstring field theory. Physical Review D, 2003, 67, .	4.7	56
100	(Re)constructing dimensions. Journal of High Energy Physics, 2003, 2003, 045-045.	4.7	3
101	TACHYON DYNAMICS AND BRANE COSMOLOGY. , 2003, , .		4
102	Phenomenology of a three-family standardlike string model. Physical Review D, 2002, 66, .	4.7	105
103	Generic estimate of trans-Planckian modifications to the primordial power spectrum in inflation. Physical Review D, 2002, 66, .	4.7	189
104	A three-family standard-like orientifold model: Yukawa couplings and hierarchy. Nuclear Physics B, 2002, 642, 139-156.	2.5	74
105	On the signature of short distance scale in the cosmic microwave background. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 536, 1-8.	4.1	45
106	Cosmological constraints on tachyon matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 541, 6-15.	4.1	123
107	CHIRAL TYPE II ORIENTIFOLD CONSTRUCTIONS AS M THEORY ON G2 HOLONOMY SPACES. , 2002, , .		8
108	Recent Developments in M Physics. , 2002, , .		0

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109	Chiral four-dimensional $N=1$ supersymmetric type IIA orientifolds from intersecting D6-branes. Nuclear Physics B, 2001, 615, 3-32.	2.5	420
110	Some aspects of brane inflation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 516, 421-430.	4.1	98
111	On type IIA superstrings in less than four dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 521, 114-118.	4.1	1
112	REMARKS ON INFLATION AND NONCOMMUTATIVE GEOMETRY. Modern Physics Letters A, 2001, 16, 2231-2240.	1.2	129
113	Three-Family Supersymmetric Standardlike Models from Intersecting Brane Worlds. Physical Review Letters, 2001, 87, 201801.	7.8	344
114	Dynamical topology change in M theory. Journal of Mathematical Physics, 2001, 42, 3171-3187.	1.1	21
115	Inflation as a probe of short distance physics. Physical Review D, 2001, 64, .	4.7	245
116	Warped compactifications in M and F theory. Nuclear Physics B, 2000, 584, 480-508.	2.5	132
117	Anomaly cancelations in orientifolds with quantized B-flux. Nuclear Physics B, 2000, 569, 329-361.	2.5	2
118	Collider signatures from the brane world. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 274-282.	4.1	35
119	Bose-Fermi degeneracy and duality in non-supersymmetric strings. Nuclear Physics B, 1999, 542, 45-72.	2.5	42
120	Four-dimensional chiral $N = 1$ type I vacua with and without D5-branes. Nuclear Physics B, 1998, 520, 75-92.	2.5	59
121	TeV scale superstring and extra dimensions. Physical Review D, 1998, 58, .	4.7	276
122	Type IIB orientifolds with NS-NS antisymmetric tensor backgrounds. Physical Review D, 1998, 58, .	4.7	57
123	A REVIEW OF THREE-FAMILY GRAND UNIFIED STRING MODELS. International Journal of Modern Physics A, 1998, 13, 2551-2598.	1.5	29
124	A chiral $N=1$ type I vacuum in four dimensions and its heterotic dual. Physical Review D, 1997, 56, 3686-3697.	4.7	79
125	Phenomenology of 3-family grand unified string models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 408, 173-182.	4.1	6