David R Morrison

List of Publications by Year
in descending order

77	6,959	66343	66911
		42	78
papers	citations	h-index	g-index

78	78	78	882
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Non-perturbative heterotic duals of M-theory on G2 orbifolds. Journal of High Energy Physics, 2021, 2021, 1.	4.7	1
2	Charge completeness and the massless charge lattice in F-theory models of supergravity. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
3	Higher-form symmetries in 5d. Journal of High Energy Physics, 2020, 2020, 1.	4.7	81
4	High electric charges in M-theory from quiver varieties. Journal of High Energy Physics, 2019, 2019, 1.	4.7	15
5	4D gauge theories with conformal matter. Journal of High Energy Physics, 2018, 2018, 1.	4.7	30
6	Infinitely many M2-instanton corrections to M-theory on G2-manifolds. Journal of High Energy Physics, 2018, 2018, 1.	4.7	22
7	The frozen phase of F-theory. Journal of High Energy Physics, 2018, 2018, 1.	4.7	39
8	Conformal field theories and compact curves in moduli spaces. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
9	Non-Higgsable abelian gauge symmetry and F-theory on fiber products of rational elliptic surfaces. Advances in Theoretical and Mathematical Physics, 2018, 22, 177-245.	0.6	16
10	SU(N) Transitions in M-Theory on Calabi–Yau Fourfolds and Background Fluxes. Communications in Mathematical Physics, 2017, 351, 837-871.	2.2	5
11	Gromov–Witten invariants and localization. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 443004.	2.1	7
12	6D SCFTs and phases of 5D theories. Journal of High Energy Physics, 2017, 2017, 1.	4.7	84
13	Exotic matter on singular divisors in F-theory. Journal of High Energy Physics, 2017, 2017, 1.	4.7	19
14	F-theory and N $$ \mathcal{N} $$ = 1 SCFTs in four dimensions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	33
15	On the global symmetries of 6D superconformal field theories. Journal of High Energy Physics, 2016, 2016, 1.	4.7	21
16	Tall sections from non-minimal transformations. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
17	F-theory and the classification of little strings. Physical Review D, 2016, 93, .	4.7	55
18	F-theory and unpaired tensors in 6D SCFTs and LSTs. Fortschritte Der Physik, 2016, 64, 645-656.	4.4	15

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19	On gauge enhancement and singular limits in G 2 compactifications of M-theory. Journal of High Energy Physics, 2016, 2016, 1-43.	4.7	11
20	Special Lagrangian torus fibrations of complete intersection Calabiâ€"Yau manifolds: A geometric conjecture. Nuclear Physics B, 2015, 898, 751-770.	2.5	2
21	Geometry of 6D RG flows. Journal of High Energy Physics, 2015, 2015, 1.	4.7	44
22	K3 Surfaces, Modular Forms, and Non-Geometric Heterotic Compactifications. Letters in Mathematical Physics, 2015, 105, 1085-1118.	1.1	34
23	Non-Higgsable clusters for 4D F-theory models. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
24	6D SCFTs and gravity. Journal of High Energy Physics, 2015, 2015, 1.	4.7	49
25	Atomic classification of 6D SCFTs. Fortschritte Der Physik, 2015, 63, 468-530.	4.4	216
26	Perturbative Corrections to Kähler Moduli Spaces. Communications in Mathematical Physics, 2015, 333, 1563-1584.	2.2	26
27	The landscape of M-theory compactifications on seven-manifolds with G2 holonomy. Journal of High Energy Physics, 2015, 2015, 1.	4.7	25
28	Mordell-Weil torsion and the global structure of gauge groups in F-theory. Journal of High Energy Physics, 2014, 2014, 1.	4.7	62
29	On the classification of 6D SCFTs and generalized ADE orbifolds. Journal of High Energy Physics, 2014, 2014, 1.	4.7	212
30	Box graphs and singular fibers. Journal of High Energy Physics, 2014, 2014, 1.	4.7	63
31	F-theory on genus-one fibrations. Journal of High Energy Physics, 2014, 2014, 1.	4.7	83
32	Two-Sphere Partition Functions and Gromovâ€"Witten Invariants. Communications in Mathematical Physics, 2014, 325, 1139-1170.	2.2	91
33	New methods for characterizing phases of 2D supersymmetric gauge theories. Journal of High Energy Physics, 2013, 2013, 1.	4.7	29
34	Threefold flops via matrix factorization. Journal of Algebraic Geometry, 2013, 22, 599-627.	0.9	15
35	Conifold transitions in M-theory on Calabi-Yau fourfolds with background fluxes. Advances in Theoretical and Mathematical Physics, 2013, 17, 601-699.	0.6	29
36	F-theory and the Mordell-Weil group of elliptically-fibered Calabi-Yau threefolds. Journal of High Energy Physics, 2012, 2012, 1.	4.7	141

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37	Nonabelian 2D gauge theories for determinantal Calabi-Yau varieties. Journal of High Energy Physics, 2012, 2012, 1.	4.7	35
38	Quivers from Matrix Factorizations. Communications in Mathematical Physics, 2012, 313, 607-633.	2.2	27
39	Matter and singularities. Journal of High Energy Physics, 2012, 2012, 1.	4.7	74
40	Anomalies and the Euler characteristic of elliptic Calabi–Yau threefolds. Communications in Number Theory and Physics, 2012, 6, 51-127.	1.0	85
41	Tate's algorithm and F-theory. Journal of High Energy Physics, 2011, 2011, 1.	4.7	98
42	Mapping 6D $ mathcal{N} = 1 $ supergravities to F-theory. Journal of High Energy Physics, 2010, 2010, 1.	4.7	53
43	Global aspects of the space of 6D $ mathcal{N} = 1 $ supergravities. Journal of High Energy Physics, 2010, 2010, 1.	4.7	84
44	Geometries, non-geometries, and fluxes. Advances in Theoretical and Mathematical Physics, 2010, 14, 1515-1583.	0.6	49
45	D-branes at singularities, compactification, and hypercharge. Journal of High Energy Physics, 2007, 2007, 107-107.	4.7	97
46	On tachyons, gauged linear sigma models, and flip transitions. Journal of High Energy Physics, 2005, 2005, 062-062.	4.7	14
47	Localized tachyons inC3/ZN. Journal of High Energy Physics, 2004, 2004, 047-047.	4.7	16
48	Group representations and the Euler characteristic of elliptically fibered Calabi–Yau threefolds. Journal of Algebraic Geometry, 2003, 12, 321-356.	0.9	30
49	Codimension-three bundle singularities in F-theory. Journal of High Energy Physics, 2002, 2002, 014-014.	4.7	37
50	Lie groups, Calabi–Yau threefolds, and F-theory. Advances in Theoretical and Mathematical Physics, 2000, 4, 95-126.	0.6	57
51	Triples, fluxes, and strings. Advances in Theoretical and Mathematical Physics, 2000, 4, 995-1186.	0.6	147
52	Non-spherical horizons, I. Advances in Theoretical and Mathematical Physics, 1999, 3, 1-81.	0.6	336
53	Non-simply-connected gauge groups and rational points on elliptic curves. Journal of High Energy Physics, 1998, 1998, 012-012.	4.7	86
54	Extremal transitions and five-dimensional supersymmetric field theories. Nuclear Physics B, 1997, 483, 229-247.	2.5	297

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55	Branes, Calabi-Yau spaces, and toroidal compactification of the N = 1 six-dimensional E8 theory. Nuclear Physics B, 1997, 487, 93-127.	2.5	134
56	Five-dimensional supersymmetric gauge theories and degenerations of Calabi-Yau spaces. Nuclear Physics B, 1997, 497, 56-100.	2.5	384
57	Point-like instantons on K3 orbifolds. Nuclear Physics B, 1997, 503, 533-564.	2.5	138
58	Compactifications of F-theory on Calabi-Yau threefolds. (I). Nuclear Physics B, 1996, 473, 74-92.	2.5	525
59	Enhanced gauge symmetry in type 11 string theory. Nuclear Physics B, 1996, 477, 105-140.	2.5	139
60	Compactifications of F-theory on Calabi-Yau threefolds (II). Nuclear Physics B, 1996, 476, 437-469.	2.5	637
61	A geometric realization of confinement. Nuclear Physics B, 1996, 481, 513-538.	2.5	53
62	Towards mirror symmetry as duality for two dimensional abelian gauge theories. Nuclear Physics, Section B, Proceedings Supplements, 1996, 46, 177-186.	0.4	50
63	Stable singularities in string theory. Communications in Mathematical Physics, 1996, 178, 115-134.	2.2	31
64	Mirror manifolds in higher dimension. Communications in Mathematical Physics, 1995, 173, 559-597.	2.2	111
65	Summing the instantons: Quantum cohomology and mirror symmetry in toric varieties. Nuclear Physics B, 1995, 440, 279-354.	2.5	204
66	Black hole condensation and the unification of string vacua. Nuclear Physics B, 1995, 451, 109-120.	2.5	248
67	Mirror symmetry for two-parameter models â€" II. Nuclear Physics B, 1994, 429, 626-674.	2.5	185
68	Calabi-Yau moduli space, mirror manifolds and spacetime topology change in string theory. Nuclear Physics B, 1994, 416, 414-480.	2.5	223
69	Mirror symmetry for two-parameter models (I). Nuclear Physics B, 1994, 416, 481-538.	2.5	181
70	5321-5337.	1.1	20
71	Minimal models and degenerations of surfaces with Kodaira number zero. Transactions of the American Mathematical Society, 1994, 343, 525-558.	0.9	3
72	Multiple mirror manifolds and topology change in string theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 303, 249-259.	4.1	84

#	Article	IF	Citations
73	Topological field theory and rational curves. Communications in Mathematical Physics, 1993, 151, 245-262.	2.2	144
74	Mirror symmetry and rational curves on quintic threefolds: a guide for mathematicians. Journal of the American Mathematical Society, 1993, 6, 223-247.	3.9	90
75	A remark on Kawamata's paper ?On the plurigenera of minimal algebraic 3-folds withK?0?. Mathematische Annalen, 1986, 275, 547-553.	1.4	8
76	The birational geometry of surfaces with rational double points. Mathematische Annalen, 1985, 271, 415-438.	1.4	53
77	Semistable degenerations of Enriquesâ€™ and hyperelliptic surfaces. Duke Mathematical Journal, 1981, 48, 197.	1.5	21