

Michael R Douglas

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,352
citations

516710

16
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

858
citing authors

#	ARTICLE	IF	CITATIONS
1	Flux compactification. <i>Reviews of Modern Physics</i> , 2007, 79, 733-796.	45.6	635
2	The statistics of string/M theory vacua. <i>Journal of High Energy Physics</i> , 2003, 2003, 046-046.	4.7	460
3	Distributions of flux vacua. <i>Journal of High Energy Physics</i> , 2004, 2004, 072-072.	4.7	398
4	Distributions of nonsupersymmetric flux vacua. <i>Journal of High Energy Physics</i> , 2005, 2005, 061-061.	4.7	181
5	On D = 5 super Yang-Mills theory and (2, 0) theory. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	174
6	Computational complexity of the landscape: Part I. <i>Annals of Physics</i> , 2007, 322, 1096-1142.	2.8	74
7	Numerical Calabi-Yau metrics. <i>Journal of Mathematical Physics</i> , 2008, 49, .	1.1	51
8	Bergman Kernel from Path Integral. <i>Communications in Mathematical Physics</i> , 2010, 293, 205-230.	2.2	49
9	Compactification on negatively curved manifolds. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	48
10	Calabi-Yau metrics for quotients and complete intersections. <i>Journal of High Energy Physics</i> , 2008, 2008, 080-080.	4.7	46
11	Eigenvalues and eigenfunctions of the scalar Laplace operator on Calabi-Yau manifolds. <i>Journal of High Energy Physics</i> , 2008, 2008, 120-120.	4.7	45
12	Numerical solution to the hermitian Yang-Mills equation on the Fermat quintic. <i>Journal of High Energy Physics</i> , 2007, 2007, 083-083.	4.7	35
13	Metrics on D-brane orbifolds. <i>Advances in Theoretical and Mathematical Physics</i> , 1997, 1, 184-196.	0.6	29
14	Effective potential and warp factor dynamics. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	27
15	Computational complexity of the landscape – Cosmological considerations. <i>Annals of Physics</i> , 2018, 392, 93-127.	2.8	24
16	$\langle \mathbf{D} \rangle = 5$ maximally supersymmetric Yang-Mills theory diverges at six loops. <i>Physical Review D</i> , 2013, 87, .	4.7	16
17	The Cremmer-Scherk mechanism in F-theory compactifications on K3 manifolds. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	15
18	The string landscape and low energy supersymmetry. , 2012, , 261-288.		10

#	ARTICLE	IF	CITATIONS
19	The String Theory Landscape. Universe, 2019, 5, 176.	2.5	8
20	Machine learning as a tool in theoretical science. Nature Reviews Physics, 2022, 4, 145-146.	26.6	7
21	Calabi-Yau diastasis as interface entropy. Physical Review D, 2014, 90, .	4.7	6
22	Calabi-Yau metrics and string compactification. Nuclear Physics B, 2015, 898, 667-674.	2.5	6
23	Gauss-Bonnet-Chern theorem on moduli space. Mathematische Annalen, 2013, 357, 469-511.	1.4	5
24	On the Boundedness of Effective Potentials Arising from String Compactifications. Communications in Mathematical Physics, 2014, 325, 847-878.	2.2	2
25	Mathematics for string phenomenology. International Journal of Modern Physics A, 2015, 30, 1530018.	1.5	1
26	Mathematics for String Phenomenology. Advanced Series on Directions in High Energy Physics, 2015, , 117-153.	0.7	0
27	From algebraic geometry to machine learning. Pure and Applied Mathematics Quarterly, 2021, 17, 605-617.	0.4	0
28	Is the best superstring model NP complete? Spaces of quantum field theories. , 2011, , .		0