

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	Machine learning as a tool in theoretical science. Nature Reviews Physics, 2022, 4, 145-146.	26.6	7
2	From algebraic geometry to machine learning. Pure and Applied Mathematics Quarterly, 2021, 17, 605-617.	0.4	0
3	The String Theory Landscape. Universe, 2019, 5, 176.	2.5	8
4	Computational complexity of the landscape – Cosmological considerations. Annals of Physics, 2018, 392, 93-127.	2.8	24
5	Mathematics for string phenomenology. International Journal of Modern Physics A, 2015, 30, 1530018.	1.5	1
6	Calabi–Yau metrics and string compactification. Nuclear Physics B, 2015, 898, 667-674.	2.5	6
7	Mathematics for String Phenomenology. Advanced Series on Directions in High Energy Physics, 2015, , 117-153.	0.7	0
8	Calabi–Yams diastasis as interface entropy. Physical Review D, 2014, 90, .	4.7	6
9	On the Boundedness of Effective Potentials Arising from String Compactifications. Communications in Mathematical Physics, 2014, 325, 847-878.	2.2	2
10	The Cremmer-Scherk mechanism in F-theory compactifications on K3 manifolds. Journal of High Energy Physics, 2014, 2014, 1.	4.7	15
11	Gauss–Bonnet–Chern theorem on moduli space. Mathematische Annalen, 2013, 357, 469-511.	1.4	5
12	D maximally supersymmetric Yang-Mills theory diverges at six loops. Physical Review D, 2013, 87, .	4.7	16
13	The string landscape and low energy supersymmetry. , 2012, , 261-288.		10
14	On D = 5 super Yang-Mills theory and (2, 0) theory. Journal of High Energy Physics, 2011, 2011, 1.	4.7	174
15	Is the best superstring model NP complete? Spaces of quantum field theories. , 2011, , .		0
16	Effective potential and warp factor dynamics. Journal of High Energy Physics, 2010, 2010, 1.	4.7	27
17	Compactification on negatively curved manifolds. Journal of High Energy Physics, 2010, 2010, 1.	4.7	48
18	Bergman Kernel from Path Integral. Communications in Mathematical Physics, 2010, 293, 205-230.	2.2	49

#	ARTICLE	IF	CITATIONS
19	Calabi-Yau metrics for quotients and complete intersections. Journal of High Energy Physics, 2008, 2008, 080-080.	4.7	46
20	Eigenvalues and eigenfunctions of the scalar Laplace operator on Calabi-Yau manifolds. Journal of High Energy Physics, 2008, 2008, 120-120.	4.7	45
21	Numerical Calabi-Yau metrics. Journal of Mathematical Physics, 2008, 49, .	1.1	51
22	Numerical solution to the hermitian Yang-Mills equation on the Fermat quintic. Journal of High Energy Physics, 2007, 2007, 083-083.	4.7	35
23	Flux compactification. Reviews of Modern Physics, 2007, 79, 733-796.	45.6	635
24	Computational complexity of the landscape: Part I. Annals of Physics, 2007, 322, 1096-1142.	2.8	74
25	Distributions of nonsupersymmetric flux vacua. Journal of High Energy Physics, 2005, 2005, 061-061.	4.7	181
26	Distributions of flux vacua. Journal of High Energy Physics, 2004, 2004, 072-072.	4.7	398
27	The statistics of string/M theory vacua. Journal of High Energy Physics, 2003, 2003, 046-046.	4.7	460
28	Metrics on D-brane orbifolds. Advances in Theoretical and Mathematical Physics, 1997, 1, 184-196.	0.6	29