Richard P Thomas

List of Publications by Year
in descending order

40 papers	1,385 citations	471509 17 h-index	377865 34 g-index
43 all docs	43 docs citations	43 times ranked	347 citing authors

#	Article	IF	Citations
1	Braid group actions on derived categories of coherent sheaves. Duke Mathematical Journal, 2001, 108, .	1.5	311
2	Curve counting via stable pairs in the derived category. Inventiones Mathematicae, 2009, 178, 407-447.	2.5	168
3	A study of the Hilbert-Mumford criterion for the stability of projective varieties. Journal of Algebraic Geometry, 2007, 16, 201-255.	0.9	94
4	Stable pairs and BPS invariants. Journal of the American Mathematical Society, 2010, 23, 267-297.	3.9	92
5	Curves on <i>K</i> 3 surfaces and modular forms. Journal of Topology, 2010, 3, 937-996.	0.5	73
6	An obstruction to the existence of constant scalar curvature Kähler metrics. Journal of Differential Geometry, 2006, 72, 429.	1.1	69
7	Hodge theory and derived categories of cubic fourfolds. Duke Mathematical Journal, 2014, 163, .	1.5	66
8	Deformation-obstruction theory for complexes via Atiyah and Kodaira–Spencer classes. Mathematische Annalen, 2010, 346, 545-569.	1.4	59
9	$\mathbb P$-objects and autoequivalences of derived categories. Mathematical Research Letters, 2006, 13, 87-98.	0.5	48
10	A short proof of the Göttsche conjecture. Geometry and Topology, 2011, 15, 397-406.	1.3	42
11	Weighted Projective Embeddings, Stability of Orbifolds, and Constant Scarla Curvature Kä Metrics. Journal of Differential Geometry, 2011, 88, .	1.1	42
12	The 3–fold vertex via stable pairs. Geometry and Topology, 2009, 13, 1835-1876.	1.3	40
13	Reduced classes and curve counting on surfaces I: theory. Algebraic Geometry, 2014, 1, 334-383.	1.0	29
14	Braid cobordisms, triangulated categories, and flag varieties. Homology, Homotopy and Applications, 2007, 9, 19-94.	0.4	23
15	THE KATZ–KLEMM–VAFA CONJECTURE FOR SURFACES. Forum of Mathematics, Pi, 2016, 4, .	2.0	20
16	Vafa-Witten invariants for projective surfaces I: stable case. Journal of Algebraic Geometry, 2020, 29, 603-668.	0.9	20
17	Vafa–Witten invariants for projective surfaces II: semistable case. Pure and Applied Mathematics Quarterly, 2017, 13, 517-562.	0.4	19
18	Hilbert schemes and stable pairs: GIT and derived category wall crossings. Bulletin De La Societe Mathematique De France, 2011, 139, 297-339.	0.2	17

#	ARTICLE	IF	CITATIONS
19	13/2 ways of counting curves. , 2014, , 282-333.		14
20	Virtual signed Euler characteristics. Journal of Algebraic Geometry, 2016, 26, 379-397.	0.9	14
21	Equivariant K-Theory and Refined Vafaâ€"Witten Invariants. Communications in Mathematical Physics, 2020, 378, 1451-1500.	2.2	14
22	Introduction to stability conditions. , 0, , 179-229.		11
23	Reduced classes and curve counting on surfaces II: calculations. Algebraic Geometry, 2014, 1, 384-399.	1.0	10
24	Degeneracy loci, virtual cycles and nested Hilbert schemes, I. Tunisian Journal of Mathematics, 2020, 2, 633-665.	0.6	9
25	Weighted Bergman Kernels on Orbifolds. Journal of Differential Geometry, 2011, 88, .	1.1	9
26	BPS states and the <i>P</i> = <i>W</i> conjecture. , 2014, , 132-150.		8
27	An introduction to d-manifolds and derived differential geometry. , 2014, , 230-281.		7
28	Quintic threefolds and Fano elevenfolds. Journal Fur Die Reine Und Angewandte Mathematik, 2018, 2018, 245-259.	0.9	7
29	Counting curves on surfaces in Calabiâ€"Yau 3-folds. Mathematische Annalen, 2014, 360, 67-78.	1.4	6
30	Derived equivalent Calabiâ€"Yau threefolds from cubic fourfolds. Mathematische Annalen, 2016, 365, 155-172.	1.4	6
31	Degeneracy loci, virtual cycles and nested Hilbert schemes II. Compositio Mathematica, 2020, 156, 1623-1663.	0.8	6
32	Sheaf counting on local $\mathrm{K}3$ surfaces. Pure and Applied Mathematics Quarterly, 2018, 14, 419-441.	0.4	5
33	A polar de Rham theorem. Topology, 2004, 43, 1231-1246.	0.3	4
34	ALMOST CLOSED 1-FORMS. Glasgow Mathematical Journal, 2014, 56, 169-182.	0.3	3
35	Introduction to algebraic stacks. , 0, , 1-131.		3
36	Stable pairs with descendents on local surfaces I: the vertical component. Pure and Applied Mathematics Quarterly, 2017, 13, 581-638.	0.4	3

#	Article	IF	Citations
37	Notes on the proof of the KKV conjecture. Journal of Differential Geometry, 2016, 21, 289-311.	1.0	3
38	An Exercise in Mirror Symmetry. , 2011, , .		3
39	Representations of surface groups and Higgs bundles. , 0, , 151-178.		2
40	Smoothing nodal Calabi-Yau n-folds. Journal of Topology, 2009, 2, 405-421.	0.5	0