Robert Lazarsfeld

List of Publications by Year
in descending order

29 papers	**1,727** citations	361413 **20** h-index	526287 **27** g-index
29 all docs	**29** docs citations	**29** times ranked	**378** citing authors

#	Article	IF	Citations
1	On the projective normality of complete linear series on an algebraic curve. Inventiones Mathematicae, 1986, 83, 73-90.	2.5	185
2	Uniform bounds and symbolic powers on smooth varieties. Inventiones Mathematicae, 2001, 144, 241-252.	2.5	168
3	Deformation theory, generic vanishing theorems, and some conjectures of Enriques, Catanese and Beauville. Inventiones Mathematicae, 1987, 90, 389-407.	2.5	161
4	A subadditivity property of multiplier ideals.. Michigan Mathematical Journal, 2000, 48, 137.	0.4	114
5	Singularities of theta divisors and the birational geometry of irregular varieties. Journal of the American Mathematical Society, 1997, 10, 243-258.	3.9	109
6	Higher obstructions to deforming cohomology groups of line bundles. Journal of the American Mathematical Society, 1991, 4, 87-103.	3.9	105
7	Syzygies and Koszul cohomology of smooth projective varieties of arbitrary dimension. Inventiones Mathematicae, 1993, 111, 51-67.	2.5	105
8	Special divisors on curves on aK3 surface. Inventiones Mathematicae, 1987, 89, 357-370.	2.5	86
9	Vanishing theorems, a theorem of Severi, and the equations defining projective varieties. Journal of the American Mathematical Society, 1991, 4, 587-602.	3.9	86
10	A sharp Castelnuovo bound for smooth surfaces. Duke Mathematical Journal, 1987, 55, 423.	1.5	83
11	Jumping coefficients of multiplier ideals. Duke Mathematical Journal, 2004, 123, 469.	1.5	75
12	Some applications of the theory of positive vector bundles. Lecture Notes in Mathematics, 1984, , 29-61.	0.2	64
13	Contact loci in arc spaces. Compositio Mathematica, 2004, 140, 1229-1244.	0.8	46
14	Asymptotic syzygies of algebraic varieties. Inventiones Mathematicae, 2012, 190, 603-646.	2.5	44
15	A geometric effective Nullstellensatz. Inventiones Mathematicae, 1999, 137, 427-448.	2.5	39
16	Pseudoeffective and nef classes on abelian varieties. Compositio Mathematica, 2011, 147, 1793-1818.	0.8	38
17	Positivity and complexity of ideal sheaves. Mathematische Annalen, 2001, 321, 213-234.	1.4	37
18	Higher cohomology of divisors on a projective variety. Mathematische Annalen, 2007, 337, 443-455.	1.4	33

#	Article	IF	Citations
19	Measures of irrationality for hypersurfaces of large degree. Compositio Mathematica, 2017, 153, 2368-2393.	0.8	32
20	The gonality conjecture on syzygies of algebraic curves of large degree. Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques, 2015, 122, 301-313.	4.3	23
21	Derivative complex, BGG correspondence, andÂnumerical inequalities for compact KÃ¤hler manifolds. Inventiones Mathematicae, 2010, 182, 605-633.	2.5	20
22	Local syzygies of multiplier ideals. Inventiones Mathematicae, 2007, 167, 409-418.	2.5	17
23	Asymptotics of random Betti tables. Journal Fur Die Reine Und Angewandte Mathematik, 2015, 2015, 55-75.	0.9	15
24	Local positivity, multiplier ideals, and syzygies of abelian varieties. Algebra and Number Theory, 2011, 5, 185-196.	0.6	13
25	Surjectivity of gaussian maps for line bundles of large degree on curves. , 1991, , 15-25.		11
26	Stability of syzygy bundles on an algebraic surface. Mathematical Research Letters, 2013, 20, 73-80.	0.5	11
27	A vanishing theorem for weight-one syzygies. Algebra and Number Theory, 2016, 10, 1965-1981.	0.6	3
28	Tangent developable surfaces and the equations defining algebraic curves. Bulletin of the American Mathematical Society, 2019, 57, 23-38.	1.5	3
29	The Konno invariant of some algebraic varieties. European Journal of Mathematics, 2020, 6, 420.	0.5	1