

# Robert Lazarsfeld

## List of Publications by Year in descending order

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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	The Konno invariant of some algebraic varieties. <i>European Journal of Mathematics</i> , 2020, 6, 420.	0.5	1
2	Tangent developable surfaces and the equations defining algebraic curves. <i>Bulletin of the American Mathematical Society</i> , 2019, 57, 23-38.	1.5	3
3	Measures of irrationality for hypersurfaces of large degree. <i>Compositio Mathematica</i> , 2017, 153, 2368-2393.	0.8	32
4	A vanishing theorem for weight-one syzygies. <i>Algebra and Number Theory</i> , 2016, 10, 1965-1981.	0.6	3
5	Asymptotics of random Betti tables. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 2015, 2015, 55-75.	0.9	15
6	The gonality conjecture on syzygies of algebraic curves of large degree. <i>Publications Mathematiques De L'Institut Des Hautes Etudes Scientifiques</i> , 2015, 122, 301-313.	4.3	23
7	Stability of syzygy bundles on an algebraic surface. <i>Mathematical Research Letters</i> , 2013, 20, 73-80.	0.5	11
8	Asymptotic syzygies of algebraic varieties. <i>Inventiones Mathematicae</i> , 2012, 190, 603-646.	2.5	44
9	Pseudoeffective and nef classes on abelian varieties. <i>Compositio Mathematica</i> , 2011, 147, 1793-1818.	0.8	38
10	Local positivity, multiplier ideals, and syzygies of abelian varieties. <i>Algebra and Number Theory</i> , 2011, 5, 185-196.	0.6	13
11	Derivative complex, BGG correspondence, and numerical inequalities for compact Kähler manifolds. <i>Inventiones Mathematicae</i> , 2010, 182, 605-633.	2.5	20
12	Higher cohomology of divisors on a projective variety. <i>Mathematische Annalen</i> , 2007, 337, 443-455.	1.4	33
13	Local syzygies of multiplier ideals. <i>Inventiones Mathematicae</i> , 2007, 167, 409-418.	2.5	17
14	Contact loci in arc spaces. <i>Compositio Mathematica</i> , 2004, 140, 1229-1244.	0.8	46
15	Jumping coefficients of multiplier ideals. <i>Duke Mathematical Journal</i> , 2004, 123, 469.	1.5	75
16	Positivity and complexity of ideal sheaves. <i>Mathematische Annalen</i> , 2001, 321, 213-234.	1.4	37
17	Uniform bounds and symbolic powers on smooth varieties. <i>Inventiones Mathematicae</i> , 2001, 144, 241-252.	2.5	168
18	A subadditivity property of multiplier ideals. <i>Michigan Mathematical Journal</i> , 2000, 48, 137.	0.4	114

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19	A geometric effective Nullstellensatz. <i>Inventiones Mathematicae</i> , 1999, 137, 427-448.	2.5	39
20	Singularities of theta divisors and the birational geometry of irregular varieties. <i>Journal of the American Mathematical Society</i> , 1997, 10, 243-258.	3.9	109
21	Syzygies and Koszul cohomology of smooth projective varieties of arbitrary dimension. <i>Inventiones Mathematicae</i> , 1993, 111, 51-67.	2.5	105
22	Surjectivity of gaussian maps for line bundles of large degree on curves. , 1991, , 15-25.		11
23	Higher obstructions to deforming cohomology groups of line bundles. <i>Journal of the American Mathematical Society</i> , 1991, 4, 87-103.	3.9	105
24	Vanishing theorems, a theorem of Severi, and the equations defining projective varieties. <i>Journal of the American Mathematical Society</i> , 1991, 4, 587-602.	3.9	86
25	A sharp Castelnuovo bound for smooth surfaces. <i>Duke Mathematical Journal</i> , 1987, 55, 423.	1.5	83
26	Deformation theory, generic vanishing theorems, and some conjectures of Enriques, Catanese and Beauville. <i>Inventiones Mathematicae</i> , 1987, 90, 389-407.	2.5	161
27	Special divisors on curves on aK3 surface. <i>Inventiones Mathematicae</i> , 1987, 89, 357-370.	2.5	86
28	On the projective normality of complete linear series on an algebraic curve. <i>Inventiones Mathematicae</i> , 1986, 83, 73-90.	2.5	185
29	Some applications of the theory of positive vector bundles. <i>Lecture Notes in Mathematics</i> , 1984, , 29-61.	0.2	64