

Bernard Shiffman

List of Publications by Year in descending order

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49
papers

1,371
citations

304743

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49
all docs

49
docs citations

49
times ranked

294
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution of Zeros of Random and Quantum Chaotic Sections of Positive Line Bundles. Communications in Mathematical Physics, 1999, 200, 661-683.	2.2	158
2	Universality and scaling of correlations between zeros on complex manifolds. Inventiones Mathematicae, 2000, 142, 351-395.	2.5	121
3	On the removal of singularities of analytic sets.. Michigan Mathematical Journal, 1968, 15, 111.	0.4	86
4	Critical Points and Supersymmetric Vacua I. Communications in Mathematical Physics, 2004, 252, 325-358.	2.2	74
5	A Characterization of Holomorphic Chains. Annals of Mathematics, 1974, 99, 553.	4.2	69
6	A global Łojasiewicz inequality for algebraic varieties. Transactions of the American Mathematical Society, 1992, 329, 813-818.	0.9	53
7	Number Variance of Random Zeros on Complex Manifolds. Geometric and Functional Analysis, 2008, 18, 1422-1475.	1.8	52
8	Extension of holomorphic maps into hermitian manifolds. Mathematische Annalen, 1971, 194, 249-258.	1.4	47
9	Zeros of random polynomials on \mathbb{C}^m . Mathematical Research Letters, 2007, 14, 469-479.	0.5	44
10	Title is missing!. International Mathematics Research Notices, 2003, 2003, 25.	1.0	39
11	Properties of compact complex manifolds carrying closed positive currents. Journal of Geometric Analysis, 1993, 3, 37-61.	1.0	38
12	Extension of positive line bundles and meromorphic maps. Inventiones Mathematicae, 1971, 15, 332-347.	2.5	37
13	Algebraic approximations of holomorphic maps from Stein domains to projective manifolds. Duke Mathematical Journal, 1994, 76, 333.	1.5	37
14	A Counterexample to the "Transcendental Bezout Problem". Annals of Mathematics, 1972, 96, 402.	4.2	36
15	Title is missing!. Indiana University Mathematics Journal, 1979, 28, 627.	0.9	36
16	Average growth estimates for hyperplane sections of entire analytic sets. Mathematische Annalen, 1981, 257, 43-59.	1.4	34
17	Random polynomials with prescribed Newton polytope. Journal of the American Mathematical Society, 2003, 17, 49-108.	3.9	33
18	Poincaré-Lelong Approach to Universality and Scaling of Correlations Between Zeros. Communications in Mathematical Physics, 2000, 208, 771-785.	2.2	30

#	ARTICLE	IF	CITATIONS
19	Critical Points and Supersymmetric Vacua, III: String/M Models. Communications in Mathematical Physics, 2006, 265, 617-671.	2.2	28
20	Nevanlinna defect relations for singular divisors. Inventiones Mathematicae, 1976, 31, 155-182.	2.5	26
21	Complete characterization of holomorphic chains of codimension one. Mathematische Annalen, 1986, 274, 233-256.	1.4	24
22	Critical points and supersymmetric vacua, II: Asymptotics and extremal metrics. Journal of Differential Geometry, 2006, 72, .	1.1	22
23	Sensor calibration with unknown correspondence: Solving $AX+XB$ using Euclidean-group invariants. , 2013, , .		19
24	Title is missing!. Indiana University Mathematics Journal, 1989, 38, 943.	0.9	19
25	Random polynomials of high degree and Levy concentration of measure. Asian Journal of Mathematics, 2003, 7, 627-646.	0.3	19
26	Overcrowding and hole probabilities for random zeros on complex manifolds. Indiana University Mathematics Journal, 2008, 57, 1977-1998.	0.9	18
27	Number Variance of Random Zeros on Complex Manifolds, II: Smooth Statistics. Pure and Applied Mathematics Quarterly, 2010, 6, 1145-1168.	0.4	16
28	Convergence of random zeros on complex manifolds. Science in China Series A: Mathematics, 2008, 51, 707-720.	0.5	15
29	On the continuation of analytic curves. Mathematische Annalen, 1970, 184, 268-274.	1.4	14
30	Distribution laws for integrable eigenfunctions. Annales De L'Institut Fourier, 2004, 54, 1497-1546.	0.6	14
31	On the continuation of analytic sets. Mathematische Annalen, 1970, 185, 1-12.	1.4	13
32	Correlations Between Zeros and Supersymmetry. Communications in Mathematical Physics, 2001, 224, 255-269.	2.2	13
33	Uniqueness of entire and meromorphic functions sharing finite sets. Complex Variables and Elliptic Equations, 2001, 43, 433-449.	0.2	12
34	TWO CLASSES OF HYPERBOLIC SURFACES IN \mathbb{P}^3 . International Journal of Mathematics, 2000, 11, 65-101.	0.5	11
35	Holomorphic and meromorphic mappings and curvature. Mathematische Annalen, 1976, 222, 171-194.	1.4	10
36	Asymptotic Expansion of the Off-Diagonal Bergman Kernel on Compact Kähler Manifolds. Journal of Geometric Analysis, 2015, 25, 761-782.	1.0	9

#	ARTICLE	IF	CITATIONS
37	A General Second Main Theorem for Meromorphic Functions on \mathbb{C}^n . American Journal of Mathematics, 1984, 106, 509.	1.1	8
38	Random zeros on complex manifolds: conditional expectations. Journal of the Institute of Mathematics of Jussieu, 2011, 10, 753-783.	0.7	7
39	New examples of Kobayashi hyperbolic surfaces in $\hat{\mathbb{C}}^3$. Functional Analysis and Its Applications, 2005, 39, 76-79.	0.4	5
40	Collision-free configuration-spaces in macromolecular crystals. Robotica, 2016, 34, 1679-1704.	1.9	5
41	Applications of convex geometry to Minkowski sums of m ellipsoids in $\hat{\mathbb{C}}^N$: Closed-form parametric equations and volume bounds. International Journal of Mathematics, 2021, 32, .	0.5	4
42	Asymptotics of almost holomorphic sections of ample line bundles on symplectic manifolds: An addendum. Proceedings of the American Mathematical Society, 2002, 131, 291-302.	0.8	3
43	Mathematical aspects of molecular replacement. IV. Measure-theoretic decompositions of motion spaces. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, 387-402.	0.1	3
44	Random Complex Fewnomials, I, , 2011, , 375-400.		3
45	Mathematical aspects of molecular replacement. V. Isolating feasible regions in motion spaces. Acta Crystallographica Section A: Foundations and Advances, 2020, 76, 145-162.	0.1	3
46	Cohomology and splitting of Hermitian-Einstein vector bundles. Mathematische Annalen, 1991, 289, 573-579.	1.4	2
47	Local complex analytic curves in an analytic variety. Proceedings of the American Mathematical Society, 1970, 24, 432-437.	0.8	1
48	Asymptotic Expansion of the Variance of Random Zeros on Complex Manifolds. Journal of Geometric Analysis, 2021, 31, 8607-8631.	1.0	1
49	Holomorphic and meromorphic mappings and curvature. II. Mathematische Annalen, 1977, 230, 15-23.	1.4	0