

Deane Yang

List of Publications by Year in descending order

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48
papers

3,654
citations

186265
28
h-index

214800
47
g-index

49
all docs

49
docs citations

49
times ranked

386
citing authors

#	ARTICLE	IF	CITATIONS
1	Lp Affine Isoperimetric Inequalities. Journal of Differential Geometry, 2000, 56, .	1.1	369
2	Sharp Affine LP Sobolev Inequalities. Journal of Differential Geometry, 2002, 62, 17.	1.1	232
3	The logarithmic Minkowski problem. Journal of the American Mathematical Society, 2012, 26, 831-852.	3.9	220
4	The log-Brunnâ€Minkowski inequality. Advances in Mathematics, 2012, 231, 1974-1997.	1.1	203
5	The even Orlicz Minkowski problem. Advances in Mathematics, 2010, 224, 2485-2510.	1.1	194
6	Orlicz projection bodies. Advances in Mathematics, 2010, 223, 220-242.	1.1	189
7	On the $L_{\{p\}}$ -Minkowski problem. Transactions of the American Mathematical Society, 2003, 356, 4359-4370.	0.9	179
8	Orlicz centroid bodies. Journal of Differential Geometry, 2010, 84, .	1.1	173
9	A new ellipsoid associated with convex bodies. Duke Mathematical Journal, 2000, 104, .	1.5	159
10	Geometric measures in the dual Brunnâ€Minkowski theory and their associated Minkowski problems. Acta Mathematica, 2016, 216, 325-388.	3.9	146
11	L_p John Ellipsoids. Proceedings of the London Mathematical Society, 2005, 90, 497-520.	1.3	139
12	Affine Moserâ€Trudinger and Morreyâ€Sobolev inequalities. Calculus of Variations and Partial Differential Equations, 2009, 36, 419-436.	1.7	133
13	On the Lp Minkowski Problem for Polytopes. Discrete and Computational Geometry, 2005, 33, 699-715.	0.6	126
14	Volume Inequalities for Subspaces of L p. Journal of Differential Geometry, 2004, 68, .	1.1	110
15	CramÃ‰râ€Rao and Moment-Entropy Inequalities for Renyi Entropy and Generalized Fisher Information. IEEE Transactions on Information Theory, 2005, 51, 473-478.	2.4	96
16	The Cramer-Rao inequality for star bodies. Duke Mathematical Journal, 2002, 112, 59.	1.5	94
17	L dual curvature measures. Advances in Mathematics, 2018, 329, 85-132.	1.1	79
18	Moment-entropy inequalities. Annals of Probability, 2004, 32, 757.	1.8	76

#	ARTICLE	IF	CITATIONS
19	Convergence of riemannian manifolds with integral bounds on curvature. I. Annales Scientifiques De L'Ecole Normale Superieure, 1992, 25, 77-105.	0.8	66
20	AN OPTION-THEORETIC PREPAYMENT MODEL FOR MORTGAGES AND MORTGAGE-BACKED SECURITIES. International Journal of Theoretical and Applied Finance, 2004, 07, 949-978.	0.5	55
21	Existence of elastic deformations with prescribed principal strains and triply orthogonal systems. Duke Mathematical Journal, 1984, 51, 243.	1.5	49
22	The L_p -Aleksandrov problem for L_p -integral curvature. Journal of Differential Geometry, 2018, 110, .	1.1	49
23	Volume inequalities for isotropic measures. American Journal of Mathematics, 2007, 129, 1711-1723.	1.1	45
24	Affine images of isotropic measures. Journal of Differential Geometry, 2015, 99, .	1.1	44
25	A new affine invariant for polytopes and Schneider's projection problem. Transactions of the American Mathematical Society, 2001, 353, 1767-1779.	0.9	38
26	Moment-Entropy Inequalities for a Random Vector. IEEE Transactions on Information Theory, 2007, 53, 1603-1607.	2.4	35
27	The L-Minkowski problem for $\hat{\nu} \in \mathcal{M}^+(\mathbb{S}^{n-1})$. Advances in Mathematics, 2019, 341, 493-535.	1.1	33
28	Extensions of Fisher Information and Stam's Inequality. IEEE Transactions on Information Theory, 2012, 58, 1319-1327.	2.4	32
29	A volume inequality for polar bodies. Journal of Differential Geometry, 2010, 84, .	1.1	31
30	Characteristics and existence of isometric embeddings. Duke Mathematical Journal, 1983, 50, 893.	1.5	29
31	A countable set of directions is sufficient for Steiner symmetrization. Advances in Applied Mathematics, 2011, 47, 869-873.	0.7	27
32	Information-theoretic inequalities for contoured probability distributions. IEEE Transactions on Information Theory, 2002, 48, 2377-2383.	2.4	26
33	The Brunn-Minkowski-Firey inequality for nonconvex sets. Advances in Applied Mathematics, 2012, 48, 407-413.	0.7	26
34	The dual Minkowski problem for symmetric convex bodies. Advances in Mathematics, 2019, 356, 106805.	1.1	24
35	Refunding efficiency: a generalized approach. Applied Economics Letters, 2007, 3, 141-146.	0.2	23
36	Affine Moments of a Random Vector. IEEE Transactions on Information Theory, 2013, 59, 5592-5599.	2.4	17

#	ARTICLE	IF	CITATIONS
37	Bounds on the fundamental group of a manifold with almost nonnegative Ricci curvature. Journal of the Mathematical Society of Japan, 1994, 46, .	0.4	16
38	The Gauss Image Problem. Communications on Pure and Applied Mathematics, 2020, 73, 1406-1452.	3.1	14
39	Riemannian manifolds with small integral norm of curvature. Duke Mathematical Journal, 1992, 65, 501.	1.5	12
40	Convergence of riemannian manifolds with integral bounds on curvature. II. Annales Scientifiques De L'Ecole Normale Superieure, 1992, 25, 179-199.	0.8	11
41	A Unified Approach to Cram�r� Rao Inequalities. IEEE Transactions on Information Theory, 2014, 60, 643-650.	2.4	8
42	Optimal mortgage refinancing: application of bond valuation tools to household risk management. Applied Economics Letters, 2008, 4, 141-149.	0.2	7
43	Removing point singularities of Riemannian manifolds. Transactions of the American Mathematical Society, 1992, 333, 203-219.	0.9	7
44	Deforming a map into a harmonic map. Transactions of the American Mathematical Society, 1999, 352, 1021-1038.	0.9	3
45	Isometric embedding via strongly symmetric positive systems. Asian Journal of Mathematics, 2018, 22, 1-40.	0.3	3
46	Local solvability of overdetermined systems defined by commuting first-order differential operators. Communications on Pure and Applied Mathematics, 1986, 39, 401-421.	3.1	2
47	<i>Applied Differential Geometry</i>. By William L. Burke. American Mathematical Monthly, 1988, 95, 964-970.	0.3	0
48	A centro-projective inequality. Comptes Rendus Mathematique, 2019, 357, 681-685.	0.3	0