Deane Yang

List of Publications by Year
in descending order

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	The Gauss Image Problem. Communications on Pure and Applied Mathematics, 2020, 73, 1406-1452.	3.1	14
2	The dual Minkowski problem for symmetric convex bodies. Advances in Mathematics, 2019, 356, 106805.	1.1	24
3	A centro-projective inequality. Comptes Rendus Mathematique, 2019, 357, 681-685.	0.3	0
4	The L-Minkowski problem for â^nâ<â€pâ<â€1. Advances in Mathematics, 2019, 341, 493-535.	1.1	33
5	L dual curvature measures. Advances in Mathematics, 2018, 329, 85-132.	1.1	79
6	The L_p-Aleksandrov problem for L_p-integral curvature. Journal of Differential Geometry, 2018, 110, .	1.1	49
7	Isometric embedding via strongly symmetric positive systems. Asian Journal of Mathematics, 2018, 22, 1-40.	0.3	3
8	Geometric measures in the dual Brunnâ€"Minkowski theory and their associated Minkowski problems. Acta Mathematica, 2016, 216, 325-388.	3.9	146
9	Affine images of isotropic measures. Journal of Differential Geometry, 2015, 99, .	1.1	44
10	A Unified Approach to CramÃ©râ€"Rao Inequalities. IEEE Transactions on Information Theory, 2014, 60, 643-650.	2.4	8
11	Affine Moments of a Random Vector. IEEE Transactions on Information Theory, 2013, 59, 5592-5599.	2.4	17
12	The logarithmic Minkowski problem. Journal of the American Mathematical Society, 2012, 26, 831-852.	3.9	220
13	The log-Brunnâ€"Minkowski inequality. Advances in Mathematics, 2012, 231, 1974-1997.	1.1	203
14	The Brunnâ€"Minkowskiâ€"Firey inequality for nonconvex sets. Advances in Applied Mathematics, 2012, 48, 407-413.	0.7	26
15	Extensions of Fisher Information and Stam's Inequality. IEEE Transactions on Information Theory, 2012, 58, 1319-1327.	2.4	32
16	A countable set of directions is sufficient for Steiner symmetrization. Advances in Applied Mathematics, 2011, 47, 869-873.	0.7	27
17	Orlicz projection bodies. Advances in Mathematics, 2010, 223, 220-242.	1.1	189
18	The even Orlicz Minkowski problem. Advances in Mathematics, 2010, 224, 2485-2510.	1.1	194

#	Article	IF	Citations
19	A volume inequality for polar bodies. Journal of Differential Geometry, 2010, 84, .	1.1	31
20	Orlicz centroid bodies. Journal of Differential Geometry, 2010, 84, .	1.1	173
21	Affine Moser–Trudinger and Morrey–Sobolev inequalities. Calculus of Variations and Partial Differential Equations, 2009, 36, 419-436.	1.7	133
22	Optimal mortgage refinancing: application of bond valuation tools to household risk management. Applied Economics Letters, 2008, 4, 141-149.	0.2	7
23	Refunding efficiency: a generalized approach. Applied Economics Letters, 2007, 3, 141-146.	0.2	23
24	Volume inequalities for isotropic measures. American Journal of Mathematics, 2007, 129, 1711-1723.	1.1	45
25	Moment-Entropy Inequalities for a Random Vector. IEEE Transactions on Information Theory, 2007, 53, 1603-1607.	2.4	35
26	Cramér–Rao and Moment-Entropy Inequalities for Renyi Entropy and Generalized Fisher Information. IEEE Transactions on Information Theory, 2005, 51, 473-478.	2.4	96
27	On the Lp Minkowski Problem for Polytopes. Discrete and Computational Geometry, 2005, 33, 699-715.	0.6	126
28	L_p John Ellipsoids. Proceedings of the London Mathematical Society, 2005, 90, 497-520.	1.3	139
29	Moment-entropy inequalities. Annals of Probability, 2004, 32, 757.	1.8	76
30	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
31	Volume Inequalities for Subspaces of L p. Journal of Differential Geometry, 2004, 68, .	1.1	110
32	On the L_{p}-Minkowski problem. Transactions of the American Mathematical Society, 2003, 356, 4359-4370.	0.9	179
33	The Cramer-Rao inequality for star bodies. Duke Mathematical Journal, 2002, 112, 59.	1.5	94
34	Sharp Affine LP Sobolev Inequalities. Journal of Differential Geometry, 2002, 62, 17.	1.1	232
35	Information-theoretic inequalities for contoured probability distributions. IEEE Transactions on Information Theory, 2002, 48, 2377-2383.	2.4	26
36	A new affine invariant for polytopes and Schneider's projection problem. Transactions of the American Mathematical Society, 2001, 353, 1767-1779.	0.9	38

#	ARTICLE	IF	CITATIONS
37	A new ellipsoid associated with convex bodies. Duke Mathematical Journal, 2000, 104, .	1.5	159
38	Lp Affine Isoperimetric Inequalities. Journal of Differential Geometry, 2000, 56, .	1.1	369
39	Deforming a map into a harmonic map. Transactions of the American Mathematical Society, 1999, 352, 1021-1038.	0.9	3
40	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
41	Riemannian manifolds with small integral norm of curvature. Duke Mathematical Journal, 1992, 65, 501.	1.5	12
42	Removing point singularities of Riemannian manifolds. Transactions of the American Mathematical Society, 1992, 333, 203-219.	0.9	7
43	Convergence of riemannian manifolds with integral bounds on curvature. I. Annales Scientifiques De L'Ecole Normale Superieure, 1992, 25, 77-105.	0.8	66
44	Convergence of riemannian manifolds with integral bounds on curvature. II. Annales Scientifiques De L'Ecole Normale Superieure, 1992, 25, 179-199.	0.8	11
45	<i>Applied Differential Geometry</i>. By William L. Burke. American Mathematical Monthly, 1988, 95, 964-970.	0.3	0
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	Existence of elastic deformations with prescribed principal strains and triply orthogonal systems. Duke Mathematical Journal, 1984, 51, 243.	1.5	49
48	Characteristics and existence of isometric embeddings. Duke Mathematical Journal, 1983, 50, 893.	1.5	29