Elad Hazan

List of Publications by Year in Descending Order

28 papers	1,370 citations	16 h-index	29 g-index
29 ext. papers	1,791 ext. citations	2 avg, IF	5.34 L-index

#	Paper	IF	Citations
28	Online learning of quantum states. *Journal of Statistical Mechanics: Theory and Experiment*, **2019**, 2019, 124019	1.9	7
27	Near-Optimal Algorithms for Online Matrix Prediction. *SIAM Journal on Computing*, **2017**, 46, 744-773	1.1	3
26	Finding approximate local minima faster than gradient descent **2017**,		31
25	Introduction to Online Convex Optimization. *Foundations and Trends in Optimization*, **2016**, 2, 157-325	1.5	262
24	A Linearly Convergent Variant of the Conditional Gradient Algorithm under Strong Convexity, with Applications to Online and Stochastic Optimization. *SIAM Journal on Optimization*, **2016**, 26, 1493-1528	2	22
23	Sublinear time algorithms for approximate semidefinite programming. *Mathematical Programming*, **2016**, 158, 329-361	2.1	4
22	A linear-time algorithm for trust region problems. *Mathematical Programming*, **2016**, 158, 363-381	2.1	21
21	The computational power of optimization in online learning **2016**,		5
20	Learning rotations with little regret. *Machine Learning*, **2016**, 104, 129-148	4	
19	AN ONLINE PORTFOLIO SELECTION ALGORITHM WITH REGRET LOGARITHMIC IN PRICE VARIATION. *Mathematical Finance*, **2015**, 25, 288-310	2.3	15
18	Oracle-Based Robust Optimization via Online Learning. *Operations Research*, **2015**, 63, 628-638	2.3	23
17	Adaptive Universal Linear Filtering. *IEEE Transactions on Signal Processing*, **2013**, 61, 1595-1604	4.8	
16	Interior-Point Methods for Full-Information and Bandit Online Learning. *IEEE Transactions on Information Theory*, **2012**, 58, 4164-4175	2.8	56
15	Sublinear optimization for machine learning. *Journal of the ACM*, **2012**, 59, 1-49	2	19
14	. *Theory of Computing*, **2012**, 8, 121-164	1.1	284
13	How Hard Is It to Approximate the Best Nash Equilibrium?. *SIAM Journal on Computing*, **2011**, 40, 79-91	1.1	42
12	$O(sqrt{logn})$ Approximation to SPARSEST CUT in $tilde{O}(n^2)$ Time. *SIAM Journal on Computing*, **2010**, 39, 1748-1771	1.1	24

11	Sublinear Optimization for Machine Learning **2010**,		8
10	Extracting certainty from uncertainty: regret bounded by variation in costs. *Machine Learning*, **2010**, 80, 165-188	4	13
9	Efficient learning algorithms for changing environments **2009**,		25
8	Better Algorithms for Benign Bandits **2009**,		5
7	Sparse Approximate Solutions to Semidefinite Programs **2008**, 306-316		29
6	Logarithmic regret algorithms for online convex optimization. *Machine Learning*, **2007**, 69, 169-192	4	249
5	Online Learning with Prior Knowledge **2007**, 499-513		9
4	On the complexity of approximating k-set packing. *Computational Complexity*, **2006**, 15, 20-39	0.6	115
3	HAPLOFREQ--estimating haplotype frequencies efficiently. *Journal of Computational Biology*, **2006**, 13, 481-500	1.7	9
2	Algorithms for portfolio management based on the Newton method **2006**,		64
1	Logarithmic Regret Algorithms for Online Convex Optimization. *Lecture Notes in Computer Science*, **2006**, 499-513	0.9	25