Özgür Yilmaz

List of Publications by Year
in descending order

43 papers	1,072 citations	471509 17 h-index	414414 32 g-index
44 all docs	44 docs citations	44 times ranked	673 citing authors

#	Article	IF	Citations
1	<scp>Sub€Gaussian</scp> Matrices on Sets: Optimal Tail Dependence and Applications. Communications on Pure and Applied Mathematics, 2022, 75, 1713-1754.	3.1	6
2	NBIHT: An Efficient Algorithm for 1-Bit Compressed Sensing With Optimal Error Decay Rate. IEEE Transactions on Information Theory, 2022, 68, 1157-1177.	2.4	3
3	Sensitivity of ℓ^1 minimization to parameter choice. Information and Inference, 2021, 10, 397-453.	1.6	43
4	Memoryless scalar quantization for random frames. Sampling Theory, Signal Processing, and Data Analysis, 2021, 19, 1.	1.1	0
5	Near-optimal sample complexity for convex tensor completion. Information and Inference, 2019, 8, 577-619.	1.6	10
6	On one-stage recovery for $\Sigma\Delta$-quantized compressed sensing. , 2019, , .		0
7	Learning Tensors From Partial Binary Measurements. IEEE Transactions on Signal Processing, 2019, 67, 29-40.	5.3	19
8	How (not) to integrate blood subtyping technology to kidney exchange. Journal of Economic Theory, 2018, 176, 193-231.	1.1	9
9	Quantization of compressive samples with stable and robust recovery. Applied and Computational Harmonic Analysis, 2018, 44, 123-143.	2.2	24
10	From Compressed Sensing to Compressed Bit-Streams: Practical Encoders, Tractable Decoders. IEEE Transactions on Information Theory, 2018, 64, 6098-6114.	2.4	10
11	Off-the-Grid Low-Rank Matrix Recovery and Seismic Data Reconstruction. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 658-671.	10.8	22
12	A characterization of the extended serial correspondence. Journal of Mathematical Economics, 2015, 59, 102-110.	0.8	15
13	Near-Optimal Compression for Compressed Sensing. , 2015, , .		1
14	Deterministic compressed sensing and quantization. Proceedings of SPIE, 2015, , .	0.8	0
15	Noise-Shaping Quantization Methods for Frame-Based and Compressive Sampling Systems. Applied and Numerical Harmonic Analysis, 2015, , 157-184.	0.3	16
16	Sigma-Delta quantization of sub-Gaussian frame expansions and its application to compressed sensing. Information and Inference, 2014, 3, 40-58.	1.6	33
17	Kidney exchange: Further utilization of donors via listed exchange. Journal of Mathematical Economics, 2014, 51, 178-186.	0.8	2
18	Non-Convex Compressed Sensing Using Partial Support Information. Sampling Theory in Signal and Information Processing, 2014, 13, 249-270.	0.2	7

#	Article	IF	Citations
19	Quantization and Finite Frames. Applied and Numerical Harmonic Analysis, 2013, , 267-302.	0.3	12
20	Phase aliasing correction for robust blind source separation using DUET. Applied and Computational Harmonic Analysis, 2013, 35, 341-349.	2.2	10
21	A sparse randomized Kaczmarz algorithm. , 2013, , .		6
22	Improved wavefield reconstruction from randomized sampling via weighted one-norm minimization. Geophysics, 2013, 78, V193-V206.	2.6	29
23	Support driven reweighted &#x2113;<inf>1</inf> minimization. , 2012, , .		3
24	Fighting the Curse of Dimensionality: Compressive Sensing in Exploration Seismology. IEEE Signal Processing Magazine, 2012, 29, 88-100.	5.6	78
25	Recovering Compressively Sampled Signals Using Partial Support Information. IEEE Transactions on Information Theory, 2012, 58, 1122-1134.	2.4	210
26	The Strategic Advantage of Inequality Averse Preferences. Bogazici Journal, 2012, 26, 17-25.	0.2	0
27	Weighted-â„" 1 minimization with multiple weighting sets. Proceedings of SPIE, 2011, , .	0.8	11
28	Kidney exchange: An egalitarian mechanism. Journal of Economic Theory, 2011, 146, 592-618.	1.1	18
29	Sobolev Duals in Frame Theory and Sigma-Delta Quantization. Journal of Fourier Analysis and Applications, 2010, 16, 365-381.	1.0	43
30	Sparse recovery by non-convex optimization â€" instance optimality. Applied and Computational Harmonic Analysis, 2010, 29, 30-48.	2.2	89
31	Alternative dual frames for digital-to-analog conversion in sigmaâ€"delta quantization. Advances in Computational Mathematics, 2010, 32, 73-102.	1.6	32
32	Sigma delta quantization for compressed sensing. , 2010, , .		24
33	The probabilistic serial mechanism with private endowments. Games and Economic Behavior, 2010, 69, 475-491.	0.8	26
34	Sobolev duals of random frames. , 2010, , .		1
35	Random assignment under weak preferences. Games and Economic Behavior, 2009, 66, 546-558.	0.8	24
36	Utility representation of lower separable preferences. Mathematical Social Sciences, 2008, 56, 389-394.	0.5	7

#	Article	IF	Citations
37	Stable sparse approximations via nonconvex optimization. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	104
38	Underdetermined Anechoic Blind Source Separation via ell^{q}-Basis-Pursuit With $q≈1$. IEEE Transactions on Signal Processing, 2007, 55, 4004-4017.	5.3	36
39	Blind Separation of Anechoic Under-determined Speech Mixtures using Multiple Sensors. , 2006, , .		2
40	Second-order Sigma–Delta (Î£Î") quantization of finite frame expansions. Applied and Computational Harmonic Analysis, 2006, 20, 126-148.	2.2	52
41	ON COARSE QUANTIZATION OF TIGHT GABOR FRAME EXPANSIONS. International Journal of Wavelets, Multiresolution and Information Processing, 2005, 03, 283-299.	1.3	4
42	Stability analysis for several second-order Sigma–Delta methods of coarse quantization of bandlimited functions. Constructive Approximation, 2002, 18, 599-623.	3.0	28
43	Stability of an allocation of objects. Review of Economic Design, 0, , 1.	0.3	0