

Ã-zgÃœer Yilmaz

List of Publications by Year in descending order

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43
papers

1,072
citations

471509

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32
g-index

44
all docs

44
docs citations

44
times ranked

673
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovering Compressively Sampled Signals Using Partial Support Information. IEEE Transactions on Information Theory, 2012, 58, 1122-1134.	2.4	210
2	Stable sparse approximations via nonconvex optimization. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	104
3	Sparse recovery by non-convex optimization – instance optimality. Applied and Computational Harmonic Analysis, 2010, 29, 30-48.	2.2	89
4	Fighting the Curse of Dimensionality: Compressive Sensing in Exploration Seismology. IEEE Signal Processing Magazine, 2012, 29, 88-100.	5.6	78
5	Second-order Sigma- Δ ($\hat{\Sigma}$) quantization of finite frame expansions. Applied and Computational Harmonic Analysis, 2006, 20, 126-148.	2.2	52
6	Sobolev Duals in Frame Theory and Sigma-Delta Quantization. Journal of Fourier Analysis and Applications, 2010, 16, 365-381.	1.0	43
7	Sensitivity of $\hat{\Sigma}$ minimization to parameter choice. Information and Inference, 2021, 10, 397-453.	1.6	43
8	Underdetermined Anechoic Blind Source Separation via ℓ^q -Basis-Pursuit With $q \geq 1$. IEEE Transactions on Signal Processing, 2007, 55, 4004-4017.	5.3	36
9	Sigma-Delta quantization of sub-Gaussian frame expansions and its application to compressed sensing. Information and Inference, 2014, 3, 40-58.	1.6	33
10	Alternative dual frames for digital-to-analog conversion in sigma- Δ quantization. Advances in Computational Mathematics, 2010, 32, 73-102.	1.6	32
11	Improved wavefield reconstruction from randomized sampling via weighted one-norm minimization. Geophysics, 2013, 78, V193-V206.	2.6	29
12	Stability analysis for several second-order Sigma- Δ methods of coarse quantization of bandlimited functions. Constructive Approximation, 2002, 18, 599-623.	3.0	28
13	The probabilistic serial mechanism with private endowments. Games and Economic Behavior, 2010, 69, 475-491.	0.8	26
14	Random assignment under weak preferences. Games and Economic Behavior, 2009, 66, 546-558.	0.8	24
15	Sigma delta quantization for compressed sensing. , 2010, , .		24
16	Quantization of compressive samples with stable and robust recovery. Applied and Computational Harmonic Analysis, 2018, 44, 123-143.	2.2	24
17	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
18	Learning Tensors From Partial Binary Measurements. IEEE Transactions on Signal Processing, 2019, 67, 29-40.	5.3	19

#	ARTICLE	IF	CITATIONS
19	Kidney exchange: An egalitarian mechanism. <i>Journal of Economic Theory</i> , 2011, 146, 592-618.	1.1	18
20	Noise-Shaping Quantization Methods for Frame-Based and Compressive Sampling Systems. <i>Applied and Numerical Harmonic Analysis</i> , 2015, , 157-184.	0.3	16
21	A characterization of the extended serial correspondence. <i>Journal of Mathematical Economics</i> , 2015, 59, 102-110.	0.8	15
22	Quantization and Finite Frames. <i>Applied and Numerical Harmonic Analysis</i> , 2013, , 267-302.	0.3	12
23	Weighted- ℓ_1 minimization with multiple weighting sets. <i>Proceedings of SPIE</i> , 2011, , .	0.8	11
24	Phase aliasing correction for robust blind source separation using DUET. <i>Applied and Computational Harmonic Analysis</i> , 2013, 35, 341-349.	2.2	10
25	From Compressed Sensing to Compressed Bit-Streams: Practical Encoders, Tractable Decoders. <i>IEEE Transactions on Information Theory</i> , 2018, 64, 6098-6114.	2.4	10
26	Near-optimal sample complexity for convex tensor completion. <i>Information and Inference</i> , 2019, 8, 577-619.	1.6	10
27	How (not) to integrate blood subtyping technology to kidney exchange. <i>Journal of Economic Theory</i> , 2018, 176, 193-231.	1.1	9
28	Utility representation of lower separable preferences. <i>Mathematical Social Sciences</i> , 2008, 56, 389-394.	0.5	7
29	Non-Convex Compressed Sensing Using Partial Support Information. <i>Sampling Theory in Signal and Information Processing</i> , 2014, 13, 249-270.	0.2	7
30	A sparse randomized Kaczmarz algorithm. , 2013, , .		6
31	ℓ_1 -Gaussian Matrices on Sets: Optimal Tail Dependence and Applications. <i>Communications on Pure and Applied Mathematics</i> , 2022, 75, 1713-1754.	3.1	6
32	ON COARSE QUANTIZATION OF TIGHT GABOR FRAME EXPANSIONS. <i>International Journal of Wavelets, Multiresolution and Information Processing</i> , 2005, 03, 283-299.	1.3	4
33	Support driven reweighted ℓ_1 minimization. , 2012, , .		3
34	NBIHT: An Efficient Algorithm for 1-Bit Compressed Sensing With Optimal Error Decay Rate. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 1157-1177.	2.4	3
35	Blind Separation of Anechoic Under-determined Speech Mixtures using Multiple Sensors. , 2006, , .		2
36	Kidney exchange: Further utilization of donors via listed exchange. <i>Journal of Mathematical Economics</i> , 2014, 51, 178-186.	0.8	2

#	ARTICLE	IF	CITATIONS
37	Sobolev duals of random frames. , 2010, , .		1
38	Near-Optimal Compression for Compressed Sensing. , 2015, , .		1
39	Deterministic compressed sensing and quantization. Proceedings of SPIE, 2015, , .	0.8	0
40	On one-stage recovery for $\hat{\mathcal{L}}$ -quantized compressed sensing. , 2019, , .		0
41	Memoryless scalar quantization for random frames. Sampling Theory, Signal Processing, and Data Analysis, 2021, 19, 1.	1.1	0
42	The Strategic Advantage of Inequality Averse Preferences. Bogazici Journal, 2012, 26, 17-25.	0.2	0
43	Stability of an allocation of objects. Review of Economic Design, 0, , 1.	0.3	0