Tom Goldstein

List of Publications by Year
in descending order

27 papers	5,324 citations	777949 13 h-index	1051228 16 g-index
27 all docs	27 docs citations	27 times ranked	5133 citing authors

#	ARTICLE	IF	CITATIONS
1	Joint Channel Estimation and Data Detection in Cell-Free Massive MU-MIMO Systems. IEEE Transactions on Wireless Communications, 2022, 21, 4068-4084.	6.1	12
2	Hybrid Jammer Mitigation for All-Digital mmWave Massive MU-MIMO. , 2021, , .		3
3	Finite-Alphabet MMSE Equalization for All-Digital Massive MU-MIMO mmWave Communication. IEEE Journal on Selected Areas in Communications, 2020, 38, 2128-2141.	9.7	18
4	Improving Channel Charting with Representation -Constrained Autoencoders. , 2019, , .		24
5	Siamese Neural Networks for Wireless Positioning and Channel Charting. , 2019, , .		29
6	PhasePack: A Phase Retrieval Library. , 2019, , .		10
7	Finite-Alphabet Wiener Filter Precoding for mmWave Massive MU-MIMO Systems. , 2019, , .		3
8	Solving Uncalibrated Photometric Stereo Using Fewer Images by Jointly Optimizing Low-rank Matrix Completion and Integrability. Journal of Mathematical Imaging and Vision, 2018, 60, 563-575.	0.8	9
9	PhaseMax: Convex Phase Retrieval via Basis Pursuit. IEEE Transactions on Information Theory, 2018, 64, 2675-2689.	1.5	174
10	VLSI Designs for Joint Channel Estimation and Data Detection in Large SIMO Wireless Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 1120-1132.	3.5	15
11	Channel Charting: Locating Users Within the Radio Environment Using Channel State Information. IEEE Access, 2018, 6, 47682-47698.	2.6	98
12	Quantized Precoding for Massive MU-MIMO. IEEE Transactions on Communications, 2017, 65, 4670-4684.	4.9	245
13	Son of Zorn's lemma: Targeted style transfer using instance-aware semantic segmentation. , 2017, , .		14
14	1-bit Massive MU-MIMO Precoding in VLSI. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 508-522.	2.7	69
15	Adaptive Relaxed ADMM: Convergence Theory and Practical Implementation. , 2017, , .		25
16	Decentralized Baseband Processing for Massive MU-MIMO Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 491-507.	2.7	82
17	Decentralized beamforming for massive MU-MIMO on a GPU cluster. , 2016, , .		14
18	Decentralized data detection for massive MU-MIMO on a Xeon Phi cluster. , 2016, , .		17

#	Article	IF	Citations
19	Efficient Distributed SGD with Variance Reduction. , 2016, , .		16
20	Operator Splitting Methods in Compressive Sensing and Sparse Approximation. Scientific Computation, 2016, , 301-343.	0.2	1
21	Biconvex Relaxation for Semidefinite Programming in Computer Vision. Lecture Notes in Computer Science, 2016, , 717-735.	1.0	15
22	Data Detection in Large Multi-Antenna Wireless Systems via Approximate Semidefinite Relaxation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 2334-2346.	3.5	40
23	The STOne Transform: Multi-Resolution Image Enhancement and Compressive Video. IEEE Transactions on Image Processing, 2015, 24, 5581-5593.	6.0	77
24	Fast Alternating Direction Optimization Methods. SIAM Journal on Imaging Sciences, 2014, 7, 1588-1623.	1.3	477
25	Sparse atomic feature learning via gradient regularization: With applications to finding sparse representations of fMRI activity patterns. , 2014, , .		0
26	Geometric Applications of the Split Bregman Method: Segmentation and Surface Reconstruction. Journal of Scientific Computing, 2010, 45, 272-293.	1.1	353
27	The Split Bregman Method for L1-Regularized Problems. SIAM Journal on Imaging Sciences, 2009, 2, 323-343.	1.3	3,484