

# Salman Asif

## List of Publications by Year in descending order

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54  
papers

1,192  
citations

759055

12  
h-index

794469

19  
g-index

54  
all docs

54  
docs citations

54  
times ranked

996  
citing authors

#	ARTICLE	IF	CITATIONS
1	FlatCam: Thin, Lensless Cameras Using Coded Aperture and Computation. IEEE Transactions on Computational Imaging, 2017, 3, 384-397.	2.6	160
2	Sparse Recovery of Streaming Signals Using $\ell_1$ -Homotopy. IEEE Transactions on Signal Processing, 2014, 62, 4209-4223.	3.2	111
3	Lensless Imaging: A computational renaissance. IEEE Signal Processing Magazine, 2016, 33, 23-35.	4.6	102
4	Fast and Accurate Algorithms for Re-Weighted $\ell_1$ -Norm Minimization. IEEE Transactions on Signal Processing, 2013, 61, 5905-5916.	3.2	95
5	Dynamic Updating for $\ell_1$ Minimization. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 421-434.	7.3	89
6	Motion-adaptive spatio-temporal regularization for accelerated dynamic MRI. Magnetic Resonance in Medicine, 2013, 70, 800-812.	1.9	82
7	Toward Long-Distance Subdiffraction Imaging Using Coherent Camera Arrays. IEEE Transactions on Computational Imaging, 2016, 2, 251-265.	2.6	70
8	Sparsity penalties in dynamical system estimation. , 2011, , .		62
9	Monocular Depth Estimation Using Deep Learning: A Review. Sensors, 2022, 22, 5353.	2.1	35
10	Dynamic updating for sparse time varying signals. , 2009, , .		28
11	Alternating Phase Projected Gradient Descent with Generative Priors for Solving Compressive Phase Retrieval. , 2019, , .		24
12	SweepCam – Depth-Aware Lensless Imaging Using Programmable Masks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 1606-1617.	9.7	24
13	Random channel coding and blind deconvolution. , 2009, , .		21
14	Low-complexity video compression and compressive sensing. , 2013, , .		20
15	Compressive sampling for streaming signals with sparse frequency content. , 2010, , .		19
16	FlatCam: Replacing Lenses with Masks and Computation. , 2015, , .		17
17	Streaming Compressive Sensing for high-speed periodic videos. , 2010, , .		16
18	Estimation and dynamic updating of time-varying signals with sparse variations. , 2011, , .		16

#	ARTICLE	IF	CITATIONS
19	Joint Image and Depth Estimation With Mask-Based Lensless Cameras. IEEE Transactions on Computational Imaging, 2020, 6, 1167-1178.	2.6	16
20	FPA-CS: Focal plane array-based compressive imaging in short-wave infrared. , 2015, , .		15
21	Generative Models for Low-Dimensional Video Representation and Reconstruction. IEEE Transactions on Signal Processing, 2020, 68, 1688-1701.	3.2	13
22	A Dual Camera System for High Spatiotemporal Resolution Video Acquisition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3275-3291.	9.7	13
23	On the LASSO and Dantzig selector equivalence. , 2010, , .		12
24	Solving Phase Retrieval with a Learned Reference. Lecture Notes in Computer Science, 2020, , 425-441.	1.0	11
25	Sparse Distribution System State Estimation: An Approximate Solution Against Low Observability. , 2020, , .		10
26	Non-Adversarial Video Synthesis with Learned Priors. , 2020, , .		9
27	Channel protection: Random coding meets sparse channels. , 2009, , .		8
28	Lensless 3D Imaging Using Mask-Based Cameras. , 2018, , .		8
29	Sparse Tracking State Estimation for Low-Observable Power Distribution Systems Using D-PMUs. IEEE Transactions on Power Systems, 2022, 37, 551-564.	4.6	8
30	Streaming measurements in compressive sensing: $\ell_1$ filtering. , 2008, , .		7
31	Robust High Dynamic Range (HDR) Imaging with Complex Motion and Parallax. Lecture Notes in Computer Science, 2021, , 134-149.	1.0	7
32	Low-Rank Tensor Ring Model for Completing Missing Visual Data. , 2020, , .		6
33	A Simple Framework for 3D Lensless Imaging with Programmable Masks. , 2021, , .		6
34	Compressive Sensing for streaming signals using the Streaming Greedy Pursuit. , 2010, , .		5
35	Fourier Phase Retrieval with Side Information Using Generative Prior. , 2019, , .		5
36	Toward simple, generalizable neural networks with universal training for low-SWaP hybrid vision. Photonics Research, 2021, 9, B253.	3.4	5

#	ARTICLE	IF	CITATIONS
37	Spatial Temporal Video Enhancement Using Alternating Exposures. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4912-4926.	5.6	5
38	Dantzig selector homotopy with dynamic measurements. Proceedings of SPIE, 2009, , .	0.8	4
39	Toward depth estimation using mask-based lensless cameras. , 2017, , .		3
40	Image and Depth Estimation with Mask-Based Lensless Cameras. , 2019, , .		3
41	Coded Illumination and Multiplexing for Lensless Imaging. , 2020, , .		3
42	Fourier Phase Retrieval with Arbitrary Reference Signal. , 2020, , .		3
43	Low-Light Color Imaging via Cross-Camera Synthesis. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 828-842.	7.3	3
44	Sparse signal recovery and dynamic update of the underdetermined system. , 2010, , .		2
45	PHASE RETRIEVAL FOR SIGNALS IN UNION OF SUBSPACES. , 2018, , .		2
46	Imaging with Distributed Lensless Line Sensors. , 2019, , .		2
47	Generative Models For Low-Rank Video Representation And Reconstruction From Compressive Measurements. , 2019, , .		2
48	Basis pursuit with sequential measurements and time varying signals. , 2009, , .		1
49	Multilinear Compressive Sensing With Tensor Ring Factorization. , 2019, , .		1
50	Exactly Decoding a Vector through Relu Activation. , 2019, , .		1
51	The Benefits of Side Information for Structured Phase Retrieval. , 2021, , .		1
52	Data-Driven Illumination Patterns For Coded Diffraction Imaging. , 2021, , .		1
53	A multiprocessor framework for rapid-prototyping and evaluation of soft transceivers. , 2006, , .		0
54	Low-rank matrix recovery of dynamic events. , 2017, , .		0