

Anamitra Makur

List of Publications by Year in descending order

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51
papers

659
citations

1162367

8
h-index

996533

15
g-index

51
all docs

51
docs citations

51
times ranked

599
citing authors

#	ARTICLE	IF	CITATIONS
1	Signal Recovery from Random Measurements via Extended Orthogonal Matching Pursuit. IEEE Transactions on Signal Processing, 2015, 63, 2572-2581.	3.2	151
2	Dictionary Training for Sparse Representation as Generalization of K-Means Clustering. IEEE Signal Processing Letters, 2013, 20, 587-590.	2.1	96
3	Backtracking-Based Matching Pursuit Method for Sparse Signal Reconstruction. IEEE Signal Processing Letters, 2011, 18, 391-394.	2.1	88
4	Lossy compression of encrypted image by compressive sensing technique. , 2009, , .		49
5	A compressive sensing approach to object-based surveillance video coding. , 2009, , .		34
6	Non-fragile H ₂ and H _∞ filter designs for polytopic two-dimensional systems in Roesser model. Multidimensional Systems and Signal Processing, 2010, 21, 255-275.	1.7	33
7	Object-based Surveillance Video Compression using Foreground Motion Compensation. , 2006, , .		22
8	Greedy Pursuits Assisted Basis Pursuit for reconstruction of joint-sparse signals. Signal Processing, 2018, 142, 485-491.	2.1	18
9	Greedy pursuits assisted basis pursuit for compressive sensing. , 2015, , .		16
10	Enhancing Image Denoising by Controlling Noise Incursion in Learned Dictionaries. IEEE Signal Processing Letters, 2015, 22, 1123-1126.	2.1	16
11	On the Arbitrary-Length M-Channel Linear Phase Perfect Reconstruction Filter Banks. IEEE Transactions on Signal Processing, 2009, 57, 4118-4123.	3.2	14
12	Directional Variance: A measure to find the directionality in a given image segment. , 2010, , .		14
13	Distributed source coding based encryption and lossless compression of gray scale and color images. , 2008, , .		13
14	Image denoising via sparse representations over Sequential Generalization of K-means (SGK). , 2013, , .		10
15	Multidimensional perfect reconstruction filter banks: an approach of algebraic geometry. Multidimensional Systems and Signal Processing, 2009, 20, 3-24.	1.7	8
16	Sparse Sequential Generalization of K-means for dictionary training on noisy signals. Signal Processing, 2016, 129, 62-66.	2.1	8
17	On M-Channel Linear Phase Perfect Reconstruction Filter Banks with Arbitrary Filter Length. , 2006, , .		6
18	Enumeration of Downsampling Lattices in Two-Dimensional Multirate Systems. IEEE Transactions on Signal Processing, 2008, 56, 414-418.	3.2	6

#	ARTICLE	IF	CITATIONS
19	Frame-Theoretic Analysis of Robust Filter Bank Frames to Quantization and Erasures. IEEE Transactions on Signal Processing, 2010, 58, 3531-3544.	3.2	6
20	Asymptotic unknown input observers for two-dimensional systems. , 2011, , .		6
21	Two-Dimensional Antisymmetric Linear Phase Filter Bank Construction Using Symmetric Completion. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 57-60.	2.3	5
22	Modified adaptive basis pursuits for recovery of correlated sparse signals. , 2014, , .		5
23	Non-fragile H _∞ filter design for polytopic 2-D systems in Fornasini-Marchesini model. , 2010, , .		4
24	Optimized Measurement Matrix for Compressive Sensing. Sampling Theory in Signal and Information Processing, 2013, 12, 71-86.	0.2	4
25	Camera motion estimation using circulant compressive sensing matrices. , 2013, , .		3
26	Sparse recovery of radar echo signals using Adaptive Backtracking Matching Pursuit. , 2015, , .		3
27	Multiple Description Image Coding With Hybrid Redundancy. , 2006, , .		2
28	On the Robustness of Filter Bank Frame to Quantization and Erasures. , 2007, , .		2
29	Subspace based algorithm for error localization of complex DFT codes. , 2007, , .		2
30	On the Existence of Complete Order-One Lattice for Linear Phase Perfect Reconstruction Filter Banks. IEEE Signal Processing Letters, 2008, 15, 345-348.	2.1	2
31	Reduction of transients during lifting based spatial adaptation of filter banks. , 2011, , .		2
32	Design of unequal order analysis and synthesis filterbanks. , 2011, , .		2
33	Recovery of correlated sparse signals using adaptive backtracking matching pursuit. , 2015, , .		2
34	Video object error coding method based on compressive sensing. , 2008, , .		1
35	Shadow-less segmentation of moving humans from surveillance video sequences. , 2008, , .		1
36	Joint source channel coding with Hermitian symmetric DFT codes. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
37	Design of arbitrary delay filterbank having arbitrary order for audio applications. , 2013, , .		1
38	Theory, Design and Application of Arbitrary Order Arbitrary Delay Filterbanks. IEEE Transactions on Signal Processing, 2014, 62, 4811-4823.	3.2	1
39	Low complexity surveillance Video Coding based on Distributed Compressive Video Sensing. , 2016, , .		1
40	Greedy Pursuits Based Gradual Weighting Strategy for Weighted ℓ_1 -Minimization. , 2018, , .		1
41	Theory, Lattice Structure and Design of Unequal Length Linear Phase Perfect Reconstruction Filter Banks with More Flexible Length Profile. , 2006, , .		0
42	Theory and lattice structures for multichannel FIR filter banks with customized filter lengths. , 2007, , .		0
43	Achieving the entire Slepian-Wolf rate region using a single code with hidden Markov correlation. , 2007, , .		0
44	A new iterative reconstruction scheme for signal reconstruction. , 2008, , .		0
45	Improved subspace algorithm for a wider class of DCT and DST codes. , 2009, , .		0
46	2-D IIR filter bank design by an LMI approach. , 2010, , .		0
47	A lowcomplexity subspace based decoding algorithm for real BCH DFT codes. , 2011, , .		0
48	Robust unbiased H^∞ filtering for uncertain two-dimensional systems. , 2012, , .		0
49	Compressive coded video compression using measurement domain motion estimation. , 2014, , .		0
50	2-D two-channel lifting based filter bank design to allow switching between filter banks. , 2015, , .		0
51	Joint Recovery of Sparse Signal Ensemble using Rank-Sparsity Decomposition. , 2019, , .		0