Chun-Shien Lu

List of Publications by Year
in descending order

79 papers	904 citations	840119 11 h-index	839053 18 g-index
79 all docs	79 docs citations	79 times ranked	712 citing authors

#	Article	IF	Citations
1	Sparse Trigger Pattern Guided Deep Learning Model Watermarking. , 2022, , .		3
2	GPX-ADMM-Net: ADMM-based Neural Network with Generalized Proximal Operator. , 2021, , .		4
3	Improving readability by modifying graphic QR code microstructure. Electronics Letters, 2021, 57, 879.	0.5	1
4	Perceptual Indistinguishability-Net (PI-Net): Facial Image Obfuscation with Manipulable Semantics. , 2021, , .		16
5	Graphic QR code Combined with Stamp. , 2021, , .		0
6	GPX-ADMM-Net: Interpretable Deep Neural Network for Image Compressive Sensing. IEEE Access, 2021, , 1-1.	2.6	3
7	Privacy Aware Data Deduplication for Side Channel in Cloud Storage. IEEE Transactions on Cloud Computing, 2020, 8, 597-609.	3.1	17
8	QISTA-Net: DNN Architecture to Solve ℓ_{Q}-Norm Minimization Problem. , 2020, , .		2
9	Distributed Compressive Sensing: Performance Analysis With Diverse Signal Ensembles. IEEE Transactions on Signal Processing, 2020, 68, 3500-3514.	3.2	7
10	Exploring the Integrated Application of Aesthetic QR Code in Video. , 2020, , .		0
11	Greedy Algorithms for Hybrid Compressed Sensing. IEEE Signal Processing Letters, 2020, 27, 2059-2063.	2.1	0
12	The Enhancement of Graphic QR Code Recognition using Convolutional Neural Networks. , 2019, , .		1
13	Compressive Sensing Matrix Design for Fast Encoding and Decoding via Sparse FFT. IEEE Signal Processing Letters, 2018, 25, 591-595.	2.1	11
14	Integration of Graphic QR code and Identity Documents by Laser Perforation to Enhance Anti-Counterfeiting Features. , 2018, , .		0
15	Secured graphic QR code with infrared watermark. , 2018, , .		12
16	Performance Analysis of Joint-Sparse Recovery from Multiple Measurement Vectors via Convex Optimization: Which Prior Information is Better?. IEEE Access, 2018, 6, 3739-3754.	2.6	8
17	A Secure Compressive Sensing-Based Data Gathering System via Cloud Assistance. IEEE Access, 2018, 6, 31840-31853.	2.6	13
18	SER: Secure and efficient retrieval for anonymous range query in wireless sensor networks. Computer Communications, 2017, 108, 1-16.	3.1	16

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19	Tree Structure Sparsity Pattern Guided Convex Optimization for Compressive Sensing of Large-Scale Images. IEEE Transactions on Image Processing, 2017, 26, 847-859.	6.0	6
20	Theoretical stopping criteria guided Greedy Algorithm for Compressive Cooperative Spectrum Sensing. Computer Communications, 2017, 111, 165-175.	3.1	6
21	Fast binary embedding via circulant downsampled matrix. , 2016, , .		1
22	Compressed Sensing-Based Clone Identification in Sensor Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3071-3084.	6.1	16
23	Privacy-preserving data collection and recovery of compressive sensing. , 2015, , .		8
24	A Necessary and Sufficient Condition for Generalized Demixing. IEEE Signal Processing Letters, 2015, 22, 2049-2053.	2.1	0
25	Compressive large-scale image sensing. , 2015, , .		2
26	Phase transition of joint-sparse recovery from multiple measurements via convex optimization. , 2015, , .		4
27	Fast compressive sensing of high-dimensional signals with tree-structure sparsity pattern. , 2014, , .		5
28	MoteSec-Aware: A Practical Secure Mechanism for Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2013, 12, 2817-2829.	6.1	18
29	Sparse Fast Fourier Transform by downsampling. , 2013, , .		17
30	Content authentication of halftone video via flickering as sparse signal. , 2012, , .		1
31	CSI: Compressed sensing-based clone identification in sensor networks. , 2012, , .		22
32	Fast OMP: Reformulating OMP via iteratively refining ℓ<inf>2</inf>-norm solutions. , 2012, , .		7
33	Compressed Sensing Detector Design for Space Shift Keying in MIMO Systems. IEEE Communications Letters, 2012, 16, 1556-1559.	2.5	84
34	Secure transcoding for compressive multimedia sensing. , 2011, , .		5
35	Constrained Function-Based Message Authentication for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2011, 6, 407-425.	4.5	18
36	Noninteractive Pairwise Key Establishment for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2010, 5, 556-569.	4.5	33

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37	Secure and robust sift with resistance to chosen-plaintext attack. , 2010, , .		1
38	Secure SIFT-based sparse representation for image copy detection and recognition. , 2010, , .		16
39	Dictionary learning-based distributed compressive video sensing. , 2010, , .		36
40	Secure image hashing via minimum distortion estimation. , 2009, , .		2
41	Compressive sensing-based image hashing. , 2009, , .		29
42	Video JET: packet loss-resilient video joint encryption and transmission based on media-hash-embedded residual data. Multimedia Tools and Applications, 2009, 44, 249-278.	2.6	2
43	Distributed compressive video sensing. , 2009, , .		166
44	A Constrained Function Based Message Authentication Scheme for Sensor Networks. , 2009, , .		3
45	A Simple Non-Interactive Pairwise Key Establishment Scheme in Sensor Networks. , 2009, , .		8
46	Power-rate-distortion model for low-complexity video coding. , 2009, , .		2
47	Compression of halftone video for electronic paper. , 2008, , .		6
48	Unequal authenticity protection of video multicasting. , 2008, , .		0
49	Power-scalable multi-layer halftone video display for electronic paper. , 2008, , .		2
50	Video Halftoning Preserving Temporal Consistency. , 2007, , .		8
51	Multi-View Distributed Video Coding with Low-Complexity Inter-Sensor Communication Over Wireless Video Sensor Networks. , 2007, , .		20
52	Biometric Template Protection: A Key-Mixed Template Approach. , 2007, , .		4
53	Habitual Behavior-Based Opportunistic Data Forwarding in Wildlife Tracking. , 2007, , .		2
54	Near-Optimal Watermark Estimation and Its Countermeasure: Antidisclosure Watermark for Multiple Watermark Embedding. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 454-467.	5.6	24

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55	Attack Probability Based Deterministic Key Predistribution Mechanism for Non-Uniform Sensor Deployment. , 2007, , .		5
56	Wyner-Ziv Video Coding with Coding Mode-Aided Motion Compensation. , 2006, , .		7
57	Low-Complexity Wyner-Ziv Video Coding Based on Robust Media Hashing. , 2006, , .		5
58	Available bandwidth estimation via one-way delay jitter and queuing delay propagation model. , 2006, , .		4
59	Geometric distortion-resilient image hashing scheme and its applications on copy detection and authentication. Multimedia Systems, 2005, 11, 159-173.	3.0	72
60	Resistance of content-dependent video watermarking to watermark-estimation attacks. , 2004, , .		0
61	Selective image smoothing via dyadic wavelet-based conduction equation. , 0, , .		0
62	Dyadic wavelet-based nonlinear conduction equation: theory and applications. , 0, , .		0
63	Mean quantization blind watermarking for image authentication. , 0, , .		20
64	Oblivious cocktail watermarking by sparse code shrinkage: a regional- and global-based scheme. , 0, , .		7
65	Combined watermarking for image authentication and protection. , 0, , .		15
66	A new watermarking scheme resistant to denoising and copy attacks. , 0, , .		2
67	Video object-based watermarking: a rotation and flipping resilient scheme. , 0, , .		19
68	An oblivious and robust watermarking scheme using communications-with-side-information mechanism. , 0, , .		3
69	A message-based cocktail watermarking system. , 0, , .		0
70	Wireless multimedia error resilience via a data hiding technique. , 0, , .		10
71	Real-time MPEG2 video watermarking in the VLC domain. , 0, , .		20
72	Audio fingerprinting based on analyzing time-frequency localization of signals. , 0, , .		6

#	Article	IF	Citations
73	Characterization of abrupt/gradual video shot transitions as unsmoothed/smoothed singularity. , 0, , .		0
74	Block DCT-based robust watermarking using side information extracted by mean filtering. , 0, , .		2
75	On the security of structural information extraction/embedding for images. , 0, , .		3
76	Content-dependent multipurpose watermarking resistant against generalized copy attack. , 0, , .		3
77	A significant motion vector protection-based error-resilient scheme in H.264. , 0, , .		3
78	Near-Perfect Cover Image Recovery Anti-Multiple Watermark Embedding Approaches. , 0, , .		0
79	Informed Authentication Watermarking Via Stego Data Reconstruction. , 0, , .		0