

# Chun-Shien Lu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5219716/publications.pdf>

Version: 2024-02-01

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	Distributed compressive video sensing. , 2009, , .		166
2	Compressed Sensing Detector Design for Space Shift Keying in MIMO Systems. IEEE Communications Letters, 2012, 16, 1556-1559.	2.5	84
3	Geometric distortion-resilient image hashing scheme and its applications on copy detection and authentication. Multimedia Systems, 2005, 11, 159-173.	3.0	72
4	Dictionary learning-based distributed compressive video sensing. , 2010, , .		36
5	Noninteractive Pairwise Key Establishment for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2010, 5, 556-569.	4.5	33
6	Compressive sensing-based image hashing. , 2009, , .		29
7	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
8	CSI: Compressed sensing-based clone identification in sensor networks. , 2012, , .		22
9	Mean quantization blind watermarking for image authentication. , 0, , .		20
10	Real-time MPEG2 video watermarking in the VLC domain. , 0, , .		20
11	Multi-View Distributed Video Coding with Low-Complexity Inter-Sensor Communication Over Wireless Video Sensor Networks. , 2007, , .		20
12	Video object-based watermarking: a rotation and flipping resilient scheme. , 0, , .		19
13	Constrained Function-Based Message Authentication for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2011, 6, 407-425.	4.5	18
14	MoteSec-Aware: A Practical Secure Mechanism for Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2013, 12, 2817-2829.	6.1	18
15	Sparse Fast Fourier Transform by downsampling. , 2013, , .		17
16	Privacy Aware Data Deduplication for Side Channel in Cloud Storage. IEEE Transactions on Cloud Computing, 2020, 8, 597-609.	3.1	17
17	Secure SIFT-based sparse representation for image copy detection and recognition. , 2010, , .		16
18	Compressed Sensing-Based Clone Identification in Sensor Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3071-3084.	6.1	16

#	ARTICLE	IF	CITATIONS
19	SER: Secure and efficient retrieval for anonymous range query in wireless sensor networks. Computer Communications, 2017, 108, 1-16.	3.1	16
20	Perceptual Indistinguishability-Net (PI-Net): Facial Image Obfuscation with Manipulable Semantics. , 2021, , .		16
21	Combined watermarking for image authentication and protection. , 0, , .		15
22	A Secure Compressive Sensing-Based Data Gathering System via Cloud Assistance. IEEE Access, 2018, 6, 31840-31853.	2.6	13
23	Secured graphic QR code with infrared watermark. , 2018, , .		12
24	Compressive Sensing Matrix Design for Fast Encoding and Decoding via Sparse FFT. IEEE Signal Processing Letters, 2018, 25, 591-595.	2.1	11
25	Wireless multimedia error resilience via a data hiding technique. , 0, , .		10
26	Video Halftoning Preserving Temporal Consistency. , 2007, , .		8
27	A Simple Non-Interactive Pairwise Key Establishment Scheme in Sensor Networks. , 2009, , .		8
28	Privacy-preserving data collection and recovery of compressive sensing. , 2015, , .		8
29	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
30	Oblivious cocktail watermarking by sparse code shrinkage: a regional- and global-based scheme. , 0, , .		7
31	Wyner-Ziv Video Coding with Coding Mode-Aided Motion Compensation. , 2006, , .		7
32	Fast OMP: Reformulating OMP via iteratively refining $\ell_1/\ell_2$ -norm solutions. , 2012, , .		7
33	Distributed Compressive Sensing: Performance Analysis With Diverse Signal Ensembles. IEEE Transactions on Signal Processing, 2020, 68, 3500-3514.	3.2	7
34	Audio fingerprinting based on analyzing time-frequency localization of signals. , 0, , .		6
35	Compression of halftone video for electronic paper. , 2008, , .		6
36	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

#	ARTICLE	IF	CITATIONS
37	Theoretical stopping criteria guided Greedy Algorithm for Compressive Cooperative Spectrum Sensing. Computer Communications, 2017, 111, 165-175.	3.1	6
38	Low-Complexity Wyner-Ziv Video Coding Based on Robust Media Hashing. , 2006, , .		5
39	Attack Probability Based Deterministic Key Predistribution Mechanism for Non-Uniform Sensor Deployment. , 2007, , .		5
40	Secure transcoding for compressive multimedia sensing. , 2011, , .		5
41	Fast compressive sensing of high-dimensional signals with tree-structure sparsity pattern. , 2014, , .		5
42	Available bandwidth estimation via one-way delay jitter and queuing delay propagation model. , 2006, , .		4
43	Biometric Template Protection: A Key-Mixed Template Approach. , 2007, , .		4
44	Phase transition of joint-sparse recovery from multiple measurements via convex optimization. , 2015, , .		4
45	GPX-ADMM-Net: ADMM-based Neural Network with Generalized Proximal Operator. , 2021, , .		4
46	An oblivious and robust watermarking scheme using communications-with-side-information mechanism. , 0, , .		3
47	On the security of structural information extraction/embedding for images. , 0, , .		3
48	Content-dependent multipurpose watermarking resistant against generalized copy attack. , 0, , .		3
49	A significant motion vector protection-based error-resilient scheme in H.264. , 0, , .		3
50	A Constrained Function Based Message Authentication Scheme for Sensor Networks. , 2009, , .		3
51	GPX-ADMM-Net: Interpretable Deep Neural Network for Image Compressive Sensing. IEEE Access, 2021, , 1-1.	2.6	3
52	Sparse Trigger Pattern Guided Deep Learning Model Watermarking. , 2022, , .		3
53	A new watermarking scheme resistant to denoising and copy attacks. , 0, , .		2
54	Block DCT-based robust watermarking using side information extracted by mean filtering. , 0, , .		2

#	ARTICLE	IF	CITATIONS
55	Habitual Behavior-Based Opportunistic Data Forwarding in Wildlife Tracking. , 2007, , .		2
56	Power-scalable multi-layer halftone video display for electronic paper. , 2008, , .		2
57	Secure image hashing via minimum distortion estimation. , 2009, , .		2
58	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
59	Power-rate-distortion model for low-complexity video coding. , 2009, , .		2
60	Compressive large-scale image sensing. , 2015, , .		2
61	QISTA-Net: DNN Architecture to Solve $\ell_{\{Q\}}$ -Norm Minimization Problem. , 2020, , .		2
62	Secure and robust sift with resistance to chosen-plaintext attack. , 2010, , .		1
63	Content authentication of halftone video via flickering as sparse signal. , 2012, , .		1
64	Fast binary embedding via circulant downsampled matrix. , 2016, , .		1
65	The Enhancement of Graphic QR Code Recognition using Convolutional Neural Networks. , 2019, , .		1
66	Improving readability by modifying graphic QR code microstructure. Electronics Letters, 2021, 57, 879.	0.5	1
67	Selective image smoothing via dyadic wavelet-based conduction equation. , 0, , .		0
68	Dyadic wavelet-based nonlinear conduction equation: theory and applications. , 0, , .		0
69	A message-based cocktail watermarking system. , 0, , .		0
70	Characterization of abrupt/gradual video shot transitions as unsmoothed/smoothed singularity. , 0, , .		0
71	Resistance of content-dependent video watermarking to watermark-estimation attacks. , 2004, , .		0
72	Near-Perfect Cover Image Recovery Anti-Multiple Watermark Embedding Approaches. , 0, , .		0

#	ARTICLE	IF	CITATIONS
73	Informed Authentication Watermarking Via Stego Data Reconstruction. , 0, , .		0
74	Unequal authenticity protection of video multicasting. , 2008, , .		0
75	A Necessary and Sufficient Condition for Generalized Demixing. IEEE Signal Processing Letters, 2015, 22, 2049-2053.	2.1	0
76	Integration of Graphic QR code and Identity Documents by Laser Perforation to Enhance Anti-Counterfeiting Features. , 2018, , .		0
77	Exploring the Integrated Application of Aesthetic QR Code in Video. , 2020, , .		0
78	Greedy Algorithms for Hybrid Compressed Sensing. IEEE Signal Processing Letters, 2020, 27, 2059-2063.	2.1	0
79	Graphic QR code Combined with Stamp. , 2021, , .		0