

Min Wu

List of Publications by Year in descending order

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201
papers

6,646
citations

156536

32
h-index

104191

69
g-index

218
all docs

218
docs citations

218
times ranked

3017
citing authors

#	ARTICLE	IF	CITATIONS
1	PulseEdit: Editing Physiological Signals in Facial Videos for Privacy Protection. IEEE Transactions on Information Forensics and Security, 2022, 17, 457-471.	4.5	21
2	Detecting Essential Landmarks Directly in Thermal Images for Remote Body Temperature and Respiratory Rate Measurement With a Two-Phase System. IEEE Access, 2022, 10, 39080-39094.	2.6	4
3	Power Signature for Multimedia Forensics. Advances in Computer Vision and Pattern Recognition, 2022, , 235-280.	0.9	3
4	A Multi-Channel Ratio-of-Ratios Method for Noncontact Hand Video Based SpO ₂ Monitoring Using Smartphone Cameras. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 197-207.	7.3	8
5	Invisible Geolocation Signature Extraction From a Single Image. IEEE Transactions on Information Forensics and Security, 2022, 17, 2598-2613.	4.5	3
6	Adaptive Multi-Trace Carving for Robust Frequency Tracking in Forensic Applications. IEEE Transactions on Information Forensics and Security, 2021, 16, 1174-1189.	4.5	23
7	Modulation Model of the Photoplethysmography Signal for Vital Sign Extraction. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 969-977.	3.9	10
8	SMARS: Sleep Monitoring via Ambient Radio Signals. IEEE Transactions on Mobile Computing, 2021, 20, 217-231.	3.9	79
9	<i>mmWrite</i> : Passive Handwriting Tracking Using a Single Millimeter-Wave Radio. IEEE Internet of Things Journal, 2021, 8, 13291-13305.	5.5	20
10	Learning Your Heart Actions From Pulse: ECG Waveform Reconstruction From PPG. IEEE Internet of Things Journal, 2021, 8, 16734-16748.	5.5	24
11	Driver Authentication for Smart Car Using Wireless Sensing. IEEE Internet of Things Journal, 2020, 7, 2235-2246.	5.5	22
12	Handwriting Tracking using 60 GHz mmWave Radar. , 2020, , .		6
13	Cross-Domain Joint Dictionary Learning for ECG Reconstruction from PPG. , 2020, , .		14
14	Exploiting Micro-Signals for Physiological Forensics. , 2020, , .		1
15	Factors Affecting ENF Capture in Audio. IEEE Transactions on Information Forensics and Security, 2019, 14, 277-288.	4.5	26
16	ECG Reconstruction via PPG: A Pilot Study. , 2019, , .		20
17	Indoor Events Monitoring Using Channel State Information Time Series. IEEE Internet of Things Journal, 2019, 6, 4977-4990.	5.5	23
18	In-Car Driver Authentication Using Wireless Sensing. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Respiratory Rate Estimation from Face Videos. , 2019, , .		14
20	Fast and Stable Signal Deconvolution via Compressible State-Space Models. IEEE Transactions on Biomedical Engineering, 2018, 65, 74-86.	2.5	14
21	Protect Your Deep Neural Networks from Piracy. , 2018, , .		17
22	Enhanced Geometric Reflection Models for Paper Surface Based Authentication. , 2018, , .		5
23	Tackling Android Stego Apps in the Wild. , 2018, , .		1
24	Invisible Geo-Location Signature in A Single Image. , 2018, , .		16
25	Adaptive Multi-Trace Carving Based on Dynamic Programming. , 2018, , .		12
26	The computer for the 21st century: present security & privacy challenges. Journal of Internet Services and Applications, 2018, 9, .	1.6	7
27	Real-Time Indoor Event Monitoring Using CSI Time Series. , 2018, , .		0
28	The Impact of Exposure Settings in Digital Image Forensics. , 2018, , .		3
29	Signal Processing: The Expected and the Unexpected [From the Editor]. IEEE Signal Processing Magazine, 2017, 34, 3-3.	4.6	0
30	Sampling Requirements for Stable Autoregressive Estimation. IEEE Transactions on Signal Processing, 2017, 65, 2333-2347.	3.2	7
31	Robust Estimation of Self-Exciting Generalized Linear Models With Application to Neuronal Modeling. IEEE Transactions on Signal Processing, 2017, 65, 3733-3748.	3.2	8
32	Counterfeit Detection Based on Unclonable Feature of Paper Using Mobile Camera. IEEE Transactions on Information Forensics and Security, 2017, 12, 1885-1899.	4.5	20
33	A Conversation About Signal Processing at Elementary School [From the Editor]. IEEE Signal Processing Magazine, 2017, 34, 3-4.	4.6	0
34	What Do You Consider a Successful Career? : Perspectives from signal processing-trained professionals [Community Voices]. IEEE Signal Processing Magazine, 2017, 34, 10-12.	4.6	0
35	Flicker Forensics for Camcorder Piracy. IEEE Transactions on Information Forensics and Security, 2017, 12, 89-100.	4.5	13
36	What Is the Future of Signal Processing?: Views Across Our Community [Community Voices]. IEEE Signal Processing Magazine, 2017, 34, 14-25.	4.6	0

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37	Fitness heart rate measurement using face videos. , 2017, , .		16
38	Content Ecosystem: Serving Diverse Interests in Our Community [From the Editor]. IEEE Signal Processing Magazine, 2017, 34, 3-13.	4.6	0
39	Innovations Powered by Signal Processing [From the Editor]. IEEE Signal Processing Magazine, 2017, 34, 3-9.	4.6	0
40	Multiplicative updates for optimization problems with dynamics. , 2017, , .		2
41	Proof-Carrying Sensing. , 2017, , .		3
42	Efficient estimation of compressible state-space models with application to calcium signal deconvolution. , 2016, , .		2
43	Exploiting Power Signatures for Camera Forensics. IEEE Signal Processing Letters, 2016, 23, 713-717.	2.1	29
44	Location Signatures That You Don't See: Highlights from the IEEE Signal Processing Cup 2016 Student Competition [SP Education]. IEEE Signal Processing Magazine, 2016, 33, 149-156.	4.6	2
45	Impact Analysis of Baseband Quantizer on Coding Efficiency for HDR Video. IEEE Signal Processing Letters, 2016, 23, 1354-1358.	2.1	7
46	Journey of Learning [From the Editor]. IEEE Signal Processing Magazine, 2016, 33, 3-3.	4.6	0
47	Silk Road in the New Millennium From the Editor. IEEE Signal Processing Magazine, 2016, 33, 3-3.	4.6	0
48	Sufficient conditions for stable recovery of sparse autoregressive models. , 2016, , .		1
49	Women in Science, Engineering, and Signal Processing [From the Editor]. IEEE Signal Processing Magazine, 2016, 33, 4-4.	4.6	1
50	New Season, New Look [From the Editor]. IEEE Signal Processing Magazine, 2016, 33, 3-3.	4.6	0
51	A Study on PUF characteristics for counterfeit detection. , 2015, , .		7
52	Sharing Signal Processing with the World [From the Editor]. IEEE Signal Processing Magazine, 2015, 32, 4-4.	4.6	2
53	Art, Engineering, and Community [From the Editor]. IEEE Signal Processing Magazine, 2015, 32, 4-4.	4.6	0
54	Impact Beyond Numbers [From the Editor]. IEEE Signal Processing Magazine, 2015, 32, 4-4.	4.6	0

#	ARTICLE	IF	CITATIONS
55	Engaging Undergraduate Students [From the Editor]. IEEE Signal Processing Magazine, 2015, 32, 4-4.	4.6	0
56	Counterfeit detection using paper PUF and mobile cameras. , 2015, , .		15
57	ENF-Based Region-of-Recording Identification for Media Signals. IEEE Transactions on Information Forensics and Security, 2015, 10, 1125-1136.	4.5	56
58	Taking Up the Torch [From the Editor]. IEEE Signal Processing Magazine, 2015, 32, 4-6.	4.6	1
59	Introduction to Multimedia Signal Processing. Academic Press Library in Signal Processing, 2014, 5, 325-326.	0.8	0
60	Exploiting rolling shutter for ENF signal extraction from video. , 2014, , .		31
61	Exploring the use of ENF for multimedia synchronization. , 2014, , .		23
62	ENF Signal Induced by Power Grid. , 2014, , .		21
63	Sparse estimation of self-exciting point processes with application to LGN neural modeling. , 2014, , .		3
64	Confidentiality-Preserving Image Search: A Comparative Study Between Homomorphic Encryption and Distance-Preserving Randomization. IEEE Access, 2014, 2, 125-141.	2.6	70
65	ENF based location classification of sensor recordings. , 2013, , .		12
66	Spectrum Combining for ENF Signal Estimation. IEEE Signal Processing Letters, 2013, 20, 885-888.	2.1	53
67	â€œSeeingâ€•ENF: Power-Signature-Based Timestamp for Digital Multimedia via Optical Sensing and Signal Processing. IEEE Transactions on Information Forensics and Security, 2013, 8, 1417-1432.	4.5	81
68	Anti-Forensics and Countermeasures of Electrical Network Frequency Analysis. IEEE Transactions on Information Forensics and Security, 2013, 8, 2073-2088.	4.5	25
69	Geo-location estimation from Electrical Network Frequency signals. , 2013, , .		37
70	ENF analysis on recaptured audio recordings. , 2013, , .		18
71	Information Forensics: An Overview of the First Decade. IEEE Access, 2013, 1, 167-200.	2.6	308
72	Robustness of Color Interpolation Identification against Anti-forensic Operations. Lecture Notes in Computer Science, 2013, , 16-30.	1.0	2

#	ARTICLE	IF	CITATIONS
73	How secure are power network signature based time stamps?. , 2012, , .		12
74	A gradient descent based approach to secure localization in mobile sensor networks. , 2012, , .		4
75	Evaluating the quality of individual SIFT features. , 2012, , .		1
76	Modeling and analysis of Electric Network Frequency signal for timestamp verification. , 2012, , .		31
77	Reduced-reference quality assessment for retargeted images. , 2012, , .		2
78	An Efficient Gradient Descent Approach to Secure Localization in Resource Constrained Wireless Sensor Networks. IEEE Transactions on Information Forensics and Security, 2012, 7, 717-730.	4.5	67
79	Modeling and Analysis of Correlated Binary Fingerprints for Content Identification. IEEE Transactions on Information Forensics and Security, 2011, 6, 1146-1159.	4.5	20
80	Exploring compression effects for improved source camera identification using strongly compressed video. , 2011, , .		39
81	Seam carving estimation using forensic hash. , 2011, , .		20
82	"Seeing" ENF. , 2011, , .		57
83	Modeling temporal correlations in content fingerprints. , 2011, , .		0
84	Secure video processing: Problems and challenges. , 2011, , .		12
85	A framework for theoretical analysis of content fingerprinting. Proceedings of SPIE, 2010, , .	0.8	2
86	Forensic hash for multimedia information. , 2010, , .		29
87	Performance impact of ordinal ranking on content fingerprinting. , 2010, , .		1
88	Gradient descent approach for secure localization in resource constrained wireless sensor networks. , 2010, , .		20
89	Security analysis for privacy preserving search of multimedia. , 2010, , .		37
90	Picturing signal processing [From the Editor. IEEE Signal Processing Magazine, 2010, 27, 2-3.	4.6	0

#	ARTICLE	IF	CITATIONS
91	Multimedia forensic hash based on visual words. , 2010, , .		50
92	Semi non-intrusive training for cell-phone camera model linkage. , 2010, , .		2
93	Tampering identification using Empirical Frequency Response. , 2009, , .		26
94	Modeling and analysis of content identification. , 2009, , .		11
95	Fingerprinting Compressed Multimedia Signals. IEEE Transactions on Information Forensics and Security, 2009, 4, 330-345.	4.5	9
96	Intrinsic Sensor Noise Features for Forensic Analysis on Scanners and Scanned Images. IEEE Transactions on Information Forensics and Security, 2009, 4, 476-491.	4.5	59
97	Secure image retrieval through feature protection. , 2009, , .		93
98	High-Fidelity Data Embedding for Image Annotation. IEEE Transactions on Image Processing, 2009, 18, 429-435.	6.0	13
99	Component forensics. IEEE Signal Processing Magazine, 2009, 26, 38-48.	4.6	27
100	Modeling and analysis of ordinal ranking in content fingerprinting. , 2009, , .		2
101	Modeling content fingerprints using markov random fields. , 2009, , .		5
102	Video Security and Protection. , 2009, , 527-570.		0
103	Digital image forensics via intrinsic fingerprints. IEEE Transactions on Information Forensics and Security, 2008, 3, 101-117.	4.5	237
104	A window to the SP community [From the Editor]. IEEE Signal Processing Magazine, 2008, 25, 2-4.	4.6	0
105	Image acquisition forensics: Forensic analysis to identify imaging source. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	38
106	Extended abstract: A hardware-assisted data hiding based approach in building high performance secure execution systems. , 2008, , .		0
107	Dynamic Resource Allocation for Robust Distributed Multi-Point Video Conferencing. IEEE Transactions on Multimedia, 2008, 10, 910-925.	5.2	3
108	A pattern classification framework for theoretical analysis of component forensics. , 2008, , .		5

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109	MPEG recompression detection based on block artifacts. Proceedings of SPIE, 2008, , .	0.8	35
110	A decision theoretic framework for analyzing binary hash-based content identification systems. , 2008, , .		24
111	Colluding Fingerprinted Video using the Gradient Attack. , 2007, , .		1
112	Optimization of Input Pattern for Semi Non-Intrusive Component Forensics of Digital Cameras. , 2007, , .		9
113	Collusion-Resistant Dynamic Fingerprinting for Multimedia. , 2007, , .		1
114	Robust scanner identification based on noise features. , 2007, , .		53
115	Intrinsic fingerprints for image authentication and steganalysis. , 2007, , .		1
116	Analysis of Nonlinear Collusion Attacks on Fingerprinting Systems for Compressed Multimedia. , 2007, , .		2
117	Confidentiality-preserving rank-ordered search. , 2007, , .		117
118	Collusion-Resistant Fingerprinting for Compressed Multimedia Signals. , 2007, , .		3
119	Noise Features for Image Tampering Detection and Steganalysis. , 2007, , .		64
120	Adaptive Detection for Group-Based Multimedia Fingerprinting. IEEE Signal Processing Letters, 2007, 14, 964-967.	2.1	6
121	A Signal Processing and Randomization Perspective of Robust and Secure Image Hashing. , 2007, , .		15
122	A Component Estimation Framework for Information Forensics. , 2007, , .		4
123	Unicity Distance of Robust Image Hashing. IEEE Transactions on Information Forensics and Security, 2007, 2, 462-467.	4.5	44
124	Joint Uplink and Downlink Optimization for Real-Time Multiuser Video Streaming Over WLANs. IEEE Journal on Selected Topics in Signal Processing, 2007, 1, 280-294.	7.3	28
125	Nonintrusive component forensics of visual sensors using output images. IEEE Transactions on Information Forensics and Security, 2007, 2, 91-106.	4.5	214
126	Tracing Malicious Relays in Cooperative Wireless Communications. IEEE Transactions on Information Forensics and Security, 2007, 2, 198-212.	4.5	75

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127	Collusion-Resistant Video Fingerprinting for Large User Group. IEEE Transactions on Information Forensics and Security, 2007, 2, 697-709.	4.5	30
128	Multiuser distortion management of layered video over resource limited downlink multicode-CDMA. IEEE Transactions on Wireless Communications, 2006, 5, 3056-3067.	6.1	5
129	JET: Dynamic Join-Exit-Tree Amortization and Scheduling for Contributory Key Management. IEEE/ACM Transactions on Networking, 2006, 14, 1128-1140.	2.6	46
130	Component Forensics of Digital Cameras: A Non-Intrusive Approach. , 2006, , .		26
131	A Scalable Multiuser Framework for Video Over OFDM Networks: Fairness and Efficiency. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 1217-1231.	5.6	43
132	Cross-Path PDMA-Based Error Protection for Streaming Multiuser Video over Multiple Paths. , 2006, , .		2
133	Multiuser cross-layer resource allocation for video transmission over wireless networks. IEEE Network, 2006, 20, 21-27.	4.9	15
134	Image Tampering Identification using Blind Deconvolution. , 2006, , .		29
135	Collaborative Image Coding and Transmission over Wireless Sensor Networks. Eurasip Journal on Advances in Signal Processing, 2006, 2007, 1.	1.0	64
136	A joint signal processing and cryptographic approach to multimedia encryption. IEEE Transactions on Image Processing, 2006, 15, 2061-2075.	6.0	107
137	Classification-Based Spatial Error Concealment for Visual Communications. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	11
138	Fingerprinting digital elevation maps. , 2006, , .		0
139	Exploring QIM-based anti-collusion fingerprinting for multimedia. , 2006, , .		9
140	Joint Coding and Embedding Techniques for Multimedia Fingerprinting. IEEE Transactions on Information Forensics and Security, 2006, 1, 231-247.	4.5	84
141	Robust and Secure Image Hashing. IEEE Transactions on Information Forensics and Security, 2006, 1, 215-230.	4.5	447
142	Collusion-Resistant video Fingerprinting for Large User Group. , 2006, , .		4
143	Non-Intrusive Forensic Analysis of Visual Sensors Using Output Images. , 2006, , .		30
144	Robust Distributed Multi-Point Video Conferencing Over Error-Prone Channels. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
145	Handling uneven embedding capacity in binary images: a revisit. , 2005, , .		9
146	Group-based joint coding and embedding technique for multimedia fingerprinting. , 2005, , .		3
147	Coordinated sensor deployment for improving secure communications and sensing coverage. , 2005, , .		25
148	Data hiding in curves with application to fingerprinting maps. IEEE Transactions on Signal Processing, 2005, 53, 3988-4005.	3.2	37
149	Forensic analysis of nonlinear collusion attacks for multimedia fingerprinting. IEEE Transactions on Image Processing, 2005, 14, 646-661.	6.0	134
150	Efficient bandwidth resource allocation for low-delay multiuser video streaming. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 1124-1137.	5.6	33
151	An interactive and team approach to multimedia design curriculum. IEEE Signal Processing Magazine, 2005, 22, 14-19.	4.6	1
152	Performance Study on Multimedia Fingerprinting Employing Traceability Codes. Lecture Notes in Computer Science, 2005, , 84-96.	1.0	5
153	Anti-collusion forensics of multimedia fingerprinting using orthogonal modulation. IEEE Transactions on Image Processing, 2005, 14, 804-821.	6.0	142
154	Dynamic join-exit amortization and scheduling for time-efficient group key agreement. , 2004, , .		13
155	Efficient bandwidth resource allocation for low-delay multiuser MPEG-4 video transmission. , 2004, , .		2
156	Dynamic distortion control for 3-D embedded wavelet video over multiuser OFDM networks. , 2004, , .		2
157	Distortion management of real-time MPEG-4 video over downlink multicode CDMA networks. , 2004, , .		2
158	Group-Oriented Fingerprinting for Multimedia Forensics. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	60
159	Collusion-resistant fingerprinting for multimedia. IEEE Signal Processing Magazine, 2004, 21, 15-27.	4.6	168
160	Data Hiding in Binary Image for Authentication and Annotation. IEEE Transactions on Multimedia, 2004, 6, 528-538.	5.2	299
161	Distortion compensated lookup-table embedding: joint security and robustness enhancement for quantization-based data hiding. , 2004, , .		1
162	Collusion-resistant multimedia fingerprinting: a unified framework. , 2004, 5306, 748.		3

#	ARTICLE	IF	CITATIONS
163	Anti-collusion fingerprinting for multimedia. IEEE Transactions on Signal Processing, 2003, 51, 1069-1087.	3.2	365
164	Resistance of orthogonal Gaussian fingerprints to collusion attacks. , 2003, , .		12
165	Data hiding in image and video. II. Designs and applications. IEEE Transactions on Image Processing, 2003, 12, 696-705.	6.0	78
166	Anti-collusion of group-oriented fingerprinting. , 2003, , .		3
167	Data hiding in image and video. I. Fundamental issues and solutions. IEEE Transactions on Image Processing, 2003, 12, 685-695.	6.0	168
168	Joint security and robustness enhancement for quantization based data embedding. IEEE Transactions on Circuits and Systems for Video Technology, 2003, 13, 831-841.	5.6	46
169	Resistance of orthogonal Gaussian fingerprints to collusion attacks. , 2003, , .		16
170	Performance of detection statistics under collusion attacks on independent multimedia fingerprints. , 2003, , .		2
171	Nonlinear collusion attacks on independent fingerprints for multimedia. , 2003, , .		15
172	Nonlinear collusion attacks on independent fingerprints for multimedia. , 2003, , .		1
173	Data Hiding in Binary Image. , 2003, , 65-91.		3
174	Anti-collusion codes: multi-user and multimedia perspectives. , 2002, , .		4
175	Robust error-resilient approach for MPEG video transmission over Internet. , 2002, , .		11
176	Collusion-resistant fingerprinting for multimedia. , 2002, , .		28
177	Collusion-resistant fingerprinting for multimedia. , 2002, , .		6
178	Rotation, scale, and translation resilient watermarking for images. IEEE Transactions on Image Processing, 2001, 10, 767-782.	6.0	555
179	Dynamic resource allocation via video content and short-term traffic statistics. IEEE Transactions on Multimedia, 2001, 3, 186-199.	5.2	46
180	<title>Modulation and multiplexing techniques for multimedia data hiding</title>. , 2001, , .		9

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181	<title>Multi-level data hiding for digital image and video</title>. , 1999, 3845, 10.		31
182	Watermarking for image authentication. , 0, , .		117
183	An algorithm for wipe detection. , 0, , .		25
184	Attacks on digital watermarks. , 0, , .		10
185	Digital watermarking using shuffling. , 0, , .		19
186	Video access control via multi-level data hiding. , 0, , .		3
187	Dynamic resource allocation via video content and short-term traffic statistics. , 0, , .		2
188	Video transcoding by reducing spatial resolution. , 0, , .		32
189	Data hiding in digital binary image. , 0, , .		100
190	Analysis of attacks on SDMI audio watermarks. , 0, , .		7
191	What can we reasonably expect from watermarks?. , 0, , .		15
192	A recognition algorithm for Chinese characters in diverse fonts. , 0, , .		1
193	Communication-friendly encryption of multimedia. , 0, , .		17
194	Security evaluation for communication-friendly encryption of multimedia. , 0, , .		28
195	Image hashing resilient to geometric and filtering operations. , 0, , .		20
196	Data hiding in curves for collusion-resistant digital fingerprinting. , 0, , .		7
197	Improving Collusion Resistance of Error Correcting Code Based Multimedia Fingerprinting. , 0, , .		6
198	Security of Feature Extraction in Image Hashing. , 0, , .		10

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199	Joint Uplink and Downlink Optimization for Video Conferencing over Wireless LAN. , 0, , .		4
200	Robust Digital Fingerprinting for Curves. , 0, , .		1
201	Security Issues in Cooperative Communications: Tracing Adversarial Relays. , 0, , .		8