

Wen-Hsien Fag

List of Publications by Year in descending order

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57
papers

846
citations

759233

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g-index

57
all docs

57
docs citations

57
times ranked

750
citing authors

#	ARTICLE	IF	CITATIONS
1	Video anomaly detection and localization using hierarchical feature representation and Gaussian process regression. , 2015, , .		137
2	TST-MUSIC for joint DOA-delay estimation. IEEE Transactions on Signal Processing, 2001, 49, 721-729.	5.3	121
3	FSF MUSIC for Joint DOA and Frequency Estimation and Its Performance Analysis. IEEE Transactions on Signal Processing, 2006, 54, 4529-4542.	5.3	84
4	Gaussian Process Regression-Based Video Anomaly Detection and Localization With Hierarchical Feature Representation. IEEE Transactions on Image Processing, 2015, 24, 5288-5301.	9.8	73
5	Joint Transmit/Receive Antenna Selection in MIMO Systems Based on the Priority-Based Genetic Algorithm. IEEE Antennas and Wireless Propagation Letters, 2007, 6, 588-591.	4.0	42
6	Three-Stream Network With Bidirectional Self-Attention for Action Recognition in Extreme Low Resolution Videos. IEEE Signal Processing Letters, 2019, 26, 1187-1191.	3.6	32
7	Hierarchical Self-Attention Network for Action Localization in Videos. , 2019, , .		31
8	Empowering Relational Network by Self-attention Augmented Conditional Random Fields for Group Activity Recognition. Lecture Notes in Computer Science, 2020, , 71-90.	1.3	24
9	Dance with Self-Attention: A New Look of Conditional Random Fields on Anomaly Detection in Videos. , 2021, , .		24
10	Joint Angle and Delay Estimation in Frequency Hopping Systems. IEEE Transactions on Aerospace and Electronic Systems, 2013, 49, 1042-1056.	4.7	23
11	Subcarrier Pairing and Power Allocation With Interference Management in Cognitive Relay Networks Based on Genetic Algorithms. IEEE Transactions on Vehicular Technology, 2016, 65, 7051-7063.	6.3	21
12	An efficient subsequence search for video anomaly detection and localization. Multimedia Tools and Applications, 2016, 75, 15101-15122.	3.9	16
13	Extreme Low Resolution Action Recognition with Spatial-Temporal Multi-Head Self-Attention and Knowledge Distillation. , 2019, , .		16
14	Improved Object Detection With Iterative Localization Refinement in Convolutional Neural Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2261-2275.	8.3	15
15	Joint Angle and Range Estimation With Signal Clustering in FMCW Radar. IEEE Sensors Journal, 2020, 20, 1882-1892.	4.7	15
16	Maximum Likelihood 2-D DOA Estimation via Signal Separation and Importance Sampling. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 746-749.	4.0	14
17	Soft information assisted space-time multiuser detection for highly loaded CDMA. IEEE Transactions on Wireless Communications, 2009, 8, 662-667.	9.2	11
18	Joint estimation of DOA and delay using TST-MUSIC in a wireless channel. IEEE Signal Processing Letters, 2001, 8, 58-60.	3.6	10

#	ARTICLE	IF	CITATIONS
19	CNN-Based Multiple Path Search for Action Tube Detection in Videos. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 104-116.	8.3	10
20	Spatial-Temporal Action Localization With Hierarchical Self-Attention. IEEE Transactions on Multimedia, 2022, 24, 625-639.	7.2	10
21	Two-dimensional linear prediction and spectral estimation on a polar raster. IEEE Transactions on Signal Processing, 1994, 42, 628-641.	5.3	9
22	Joint receive antenna selection and symbol detection for MIMO systems: a heterogeneous genetic approach. IEEE Communications Letters, 2009, 13, 97-99.	4.1	9
23	First-Person Action Recognition With Temporal Pooling and Hilbert-Huang Transform. IEEE Transactions on Multimedia, 2019, 21, 3122-3135.	7.2	8
24	Oblique projection based receiver with interference cancellation in OFDMA uplink. , 2012, , .		7
25	Robust Image Recovery via Affine Transformation and $L_{2,1}$ Norm. IEEE Access, 2019, 7, 125011-125021.	4.2	7
26	Relational Reasoning for Group Activity Recognition via Self-Attention Augmented Conditional Random Field. IEEE Transactions on Image Processing, 2021, 30, 8184-8199.	9.8	7
27	Efficient Multidimensional Harmonic Retrieval: A Hierarchical Signal Separation Framework. IEEE Signal Processing Letters, 2013, 20, 427-430.	3.6	6
28	Joint resource allocation and relay selection via genetic algorithm in multi-user decode-and-forward cooperative systems. IET Networks, 2014, 3, 65-73.	1.8	6
29	Temporal aggregation for first-person action recognition using Hilbert-Huang transform. , 2017, , .		6
30	Modified robust image alignment by sparse and low rank decomposition for highly linearly correlated data. , 2018, , .		6
31	An efficient approach for the harmonic retrieval problem via Haar wavelet transform. IEEE Signal Processing Letters, 1997, 4, 331-333.	3.6	5
32	Efficient estimation of signal parameters via rotational invariance technique-based algorithm with automatic pairing for two-dimensional angle and polarisation estimation using crossed dipoles. IET Signal Processing, 2014, 8, 309-319.	1.5	5
33	A fast algorithm for joint two-dimensional direction of arrival and frequency estimation via hierarchical space-time decomposition. Signal Processing, 2010, 90, 207-216.	3.7	4
34	Alternating Multiuser Detection with Soft Interference Cancellation for Heterogeneous-Signaling MIMO CDMA Systems. Wireless Personal Communications, 2012, 67, 811-828.	2.7	4
35	Compact and Broadband Asymmetric Curved Directional Couplers Using the Silicon-On-Insulator (SOI) Platform. , 2019, , .		4
36	Markov model fuzzy-reasoning based algorithm for fast block motion estimation. Journal of Visual Communication and Image Representation, 2006, 17, 131-142.	2.8	3

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37	Iterative localization refinement in convolutional neural networks for improved object detection. , 2016, , .		3
38	Importance Sampling-Based Maximum Likelihood Estimation for Multidimensional Harmonic Retrieval. IEEE Signal Processing Letters, 2016, 23, 35-39.	3.6	3
39	Video Summarization: How to Use Deep-Learned Features Without a Large-Scale Dataset. , 2018, , .		3
40	Constrained TST MUSIC for joint spatio-temporal channel parameter estimation in DS/CDMA systems. Wireless Communications and Mobile Computing, 2005, 5, 57-67.	1.2	2
41	Joint relay selection, bandwidth allocation and power distribution via genetic algorithm in multi-user decode-and-forward relay networks. , 2012, , .		2
42	Efficient subcarrier pairing and power allocation in multi-relay cognitive networks. , 2016, , .		2
43	Nested algorithms for joint DOD and DOA estimation in bistatic MIMO radar. Multidimensional Systems and Signal Processing, 2018, 29, 783-798.	2.6	2
44	Corrections to "Three-Stream Network With Bidirectional Self-Attention for Action Recognition in Extreme Low Resolution Videos" IEEE Signal Processing Letters, 2020, 27, 2188-2188.	3.6	2
45	Multiple path search for action tube detection in videos. , 2017, , .		1
46	Breast tumor detection in the microwave imaging with oblique projection and Rao detectors. , 2018, , .		1
47	A systolic architecture for new split algorithms for arbitrary Toeplitz-plus-Hankel matrices. IEEE Transactions on Signal Processing, 1994, 42, 485-489.	5.3	0
48	CHAOTIC CONTROL AND CHAOTIFICATION USING FUZZY APPROACH. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 263-274.	1.7	0
49	Efficient groupwise multiuser detection with iterative soft interference cancellation for multi-rate MC-CDMA. Computer Communications, 2009, 32, 482-491.	5.1	0
50	Antenna-Array-Assisted Frequency Offset Estimation and Data Detection in an Uplink Multiuser MIMO-OFDM Interference Network. Wireless Personal Communications, 2011, 58, 215-237.	2.7	0
51	A two-stage receiver with soft interference cancellation for space-time block code and spatial multiplexing combined systems. Wireless Communications and Mobile Computing, 2012, 12, 767-781.	1.2	0
52	Power allocation and subcarrier pairing in OFDM-based Decode-and-Forward relay networks based on a genetic approach. , 2013, , .		0
53	Improved HISS technique for multidimensional harmonic retrieval problems. , 2015, , .		0
54	Joint precoding and transmit antenna selection with power allocation in multiuser MIMO systems under limited feedback. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
55	Learning visual object and word association. , 2017, , .		0
56	Efficient Weighted Kernel Sharing Convolutional Neural Networks. , 2018, , .		0
57	Simplified Approach for Optimizing Optical Asymmetric Curved Waveguides of Broadband Directional Couplers. Fiber and Integrated Optics, 2019, 38, 285-303.	2.5	0