

# Yu-Hen Hu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8821471/publications.pdf>

Version: 2024-02-01

233  
papers

3,743  
citations

218381  
26  
h-index

197535  
49  
g-index

242  
all docs

242  
docs citations

242  
times ranked

3147  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximum likelihood multiple-source localization using acoustic energy measurements with wireless sensor networks. IEEE Transactions on Signal Processing, 2005, 53, 44-53.	3.2	584
2	Energy-Based Collaborative Source Localization Using Acoustic Microsensor Array. Eurasip Journal on Advances in Signal Processing, 2003, 2003, 1.	1.0	187
3	NTIRE 2018 Challenge on Single Image Super-Resolution: Methods and Results. , 2018, , .		166
4	A decade of seasonal dynamics and co-occurrences within freshwater bacterioplankton communities from eutrophic Lake Mendota, WI, USA. ISME Journal, 2013, 7, 680-684.	4.4	156
5	A novel modular systolic array architecture for full-search block matching motion estimation. IEEE Transactions on Circuits and Systems for Video Technology, 1995, 5, 407-416.	5.6	120
6	Random Triggering-Based Sub-Nyquist Sampling System for Sparse Multiband Signal. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1789-1797.	2.4	102
7	Power-Line Interference Detection and Suppression in ECG Signal Processing. IEEE Transactions on Biomedical Engineering, 2008, 55, 354-357.	2.5	95
8	A Color Image Encryption Using Dynamic DNA and 4-D Memristive Hyper-Chaos. IEEE Access, 2019, 7, 78367-78378.	2.6	66
9	Networks on Chips: Structure and Design Methodologies. Journal of Electrical and Computer Engineering, 2012, 2012, 1-15.	0.6	57
10	Distributed, Robust Acoustic Source Localization in a Wireless Sensor Network. IEEE Transactions on Signal Processing, 2012, 60, 4350-4359.	3.2	57
11	A fault-tolerant NoC scheme using bidirectional channel. , 2011, , .		53
12	DOA Estimation From One-Bit Compressed Array Data via Joint Sparse Representation. IEEE Signal Processing Letters, 2016, 23, 1279-1283.	2.1	53
13	Enhanced Random Equivalent Sampling Based on Compressed Sensing. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 579-586.	2.4	52
14	BiNoC: A bidirectional NoC architecture with dynamic self-reconfigurable channel. , 2009, , .		49
15	Energy-Efficient Monitoring in Software Defined Wireless Sensor Networks Using Reinforcement Learning: A Prototype. International Journal of Distributed Sensor Networks, 2015, 2015, 1-12.	1.3	49
16	Maximum-likelihood parameter estimation for image ringing-artifact removal. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 963-973.	5.6	48
17	Generalized Iterated Kalman Filter and its Performance Evaluation. IEEE Transactions on Signal Processing, 2015, 63, 3204-3217.	3.2	44
18	An efficient CORDIC array structure for the implementation of discrete cosine transform. IEEE Transactions on Signal Processing, 1995, 43, 331-336.	3.2	40

#	ARTICLE	IF	CITATIONS
19	A Bidirectional NoC (BiNoC) Architecture With Dynamic Self-Reconfigurable Channel. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2011, 30, 427-440.	1.9	37
20	Frame-level pipelined motion estimation array processor. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 248-251.	5.6	36
21	Distance-Based Decision Fusion in a Distributed Wireless Sensor Network. Telecommunication Systems, 2004, 26, 339-350.	1.6	34
22	Generalised Kalman filter tracking with multiplicative measurement noise in a wireless sensor network. IET Signal Processing, 2014, 8, 467-474.	0.9	34
23	RailNet: A Segmentation Network for Railroad Detection. IEEE Access, 2019, 7, 143772-143779.	2.6	33
24	Cross-Layer Network Lifetime Maximization in Underwater Wireless Sensor Networks. IEEE Systems Journal, 2020, 14, 220-231.	2.9	33
25	Least square solutions of energy based acoustic source localization problems. , 0, , .		32
26	Video Saliency Detection via Graph Clustering With Motion Energy and Spatiotemporal Objectness. IEEE Transactions on Multimedia, 2019, 21, 2790-2805.	5.2	31
27	Logistic regression in an adaptive Web cache. IEEE Internet Computing, 1999, 3, 27-36.	3.2	29
28	Efficient VLSI implementations of fast multiplierless approximated DCT using parameterized hardware modules for silicon intellectual property design. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 1568-1579.	0.1	29
29	Statistical Timing Analysis with Extended Pseudo-Canonical Timing Model. , 0, , .		28
30	Automated Video Exposure Assessment of Repetitive Hand Activity Level for a Load Transfer Task. Human Factors, 2013, 55, 298-308.	2.1	28
31	An integrated critic-actor neural network for reinforcement learning with application of DERs control in grid frequency regulation. International Journal of Electrical Power and Energy Systems, 2019, 111, 286-299.	3.3	28
32	Analysis and Correction of Combined Channel Mismatch Effects in Frequency-Interleaved ADCs. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 655-668.	3.5	28
33	A Memory-Efficient and High-Speed Sine/Cosine Generator Based on Parallel CORDIC Rotations. IEEE Signal Processing Letters, 2004, 11, 152-155.	2.1	26
34	Multiple-Symbol Parallel CAVLC Decoder for H.264/AVC. , 2006, , .		26
35	Numerically Convex Forms and Their Application in Gate Sizing. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2007, 26, 1637-1647.	1.9	24
36	Approach to simultaneously denoise and invert backscatter and extinction from photon-limited atmospheric lidar observations. Applied Optics, 2016, 55, 8316.	2.1	24

#	ARTICLE	IF	CITATIONS
37	Structural Scheduling of Transient Control Under Energy Storage Systems by Sparse-Promoting Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2022, 18, 744-756.	7.2	24
38	Statistical timing analysis in sequential circuit for on-chip global interconnect pipelining. , 2004, , .		22
39	Evaluation of wireless sensor networks (WSNs) for remote wetland monitoring: design and initial results. Environmental Monitoring and Assessment, 2014, 186, 919-934.	1.3	22
40	Energy-Balanced Scheduling for Target Tracking in Wireless Sensor Networks. ACM Transactions on Sensor Networks, 2014, 11, 1-29.	2.3	21
41	Estimation of low-altitude moving target trajectory using single acoustic array. Journal of the Acoustical Society of America, 2016, 139, 1848-1858.	0.5	21
42	Quantized Kalman Filter Tracking in Directional Sensor Networks. IEEE Transactions on Mobile Computing, 2018, 17, 871-883.	3.9	21
43	Fast diffraction calculation of cylindrical computer generated hologram based on outside-in propagation model. Optics Communications, 2017, 403, 296-303.	1.0	19
44	A Privacy-Preserving Distributed Smart Metering Temporal and Spatial Aggregation Scheme. IEEE Access, 2019, 7, 28372-28382.	2.6	19
45	Frequency Regulation of Power Systems with Self-Triggered Control under the Consideration of Communication Costs. Applied Sciences (Switzerland), 2017, 7, 688.	1.3	18
46	Unified and accurate diffraction calculation between two concentric cylindrical surfaces. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2018, 35, A45.	0.8	18
47	Fully static multiprocessor array realizability criteria for real-time recurrent DSP applications. IEEE Transactions on Signal Processing, 1994, 42, 1288-1292.	3.2	17
48	A novel implementation of CORDIC algorithm using backward angle recoding (BAR). IEEE Transactions on Computers, 1996, 45, 1370-1378.	2.4	17
49	Distributed particle filters for wireless sensor network target tracking. , 0, , .		17
50	Motion Entropy Feature and Its Applications to Event-Based Segmentation of Sports Video. Eurasip Journal on Advances in Signal Processing, 2008, 2008, .	1.0	17
51	Visualizing stressful aspects of repetitive motion tasks and opportunities for ergonomic improvements using computer vision. Applied Ergonomics, 2017, 65, 461-472.	1.7	17
52	A maximal-reward preliminary planning for multi-debris active removal mission in LEO with a greedy heuristic method. Acta Astronautica, 2018, 149, 123-142.	1.7	17
53	Learn to Detect: Improving the Accuracy of Earthquake Detection. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8867-8878.	2.7	17
54	Multi-Image Encryption Based on Compressed Sensing and Deep Learning in Optical Gyration Domain. IEEE Photonics Journal, 2021, 13, 1-16.	1.0	17

#	ARTICLE	IF	CITATIONS
55	Deep residual networks-based intelligent fault diagnosis method of planetary gearboxes in cloud environments. Simulation Modelling Practice and Theory, 2022, 116, 102469.	2.2	17
56	Statistical timing analysis with path reconvergence and spatial correlations. , 2006, , .		16
57	Optimal Linear Combination of Facial Regions for Improving Identification Performance. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1138-1148.	5.5	16
58	3D Face Recognition Under Expression Variations using Similarity Metrics Fusion. , 2007, , .		16
59	Generation of Phase-Only Fourier Hologram Based on Double Phase Method and Quantization Error Analysis. IEEE Photonics Journal, 2020, 12, 1-13.	1.0	16
60	Correlation-Based Web Document Clustering for Adaptive Web Interface Design. Knowledge and Information Systems, 2002, 4, 151-167.	2.1	15
61	ML Source Localization Theory in an Underwater Wireless Sensor Array Network. , 2009, , .		15
62	Efficient Thermal Simulation for 3-D IC With Thermal Through-Silicon Vias. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2012, 31, 1767-1771.	1.9	15
63	A hand speed $\hat{\omega}^{\text{eff}}$ duty cycle equation for estimating the ACGIH hand activity level rating. Ergonomics, 2015, 58, 184-194.	1.1	15
64	Large-Field-of-View Visualization Utilizing Multiple Miniaturized Cameras for Laparoscopic Surgery. Micromachines, 2018, 9, 431.	1.4	15
65	Image Encryption Using Compressive Sensing and Detour Cylindrical Diffraction. IEEE Photonics Journal, 2018, 10, 1-14.	1.0	15
66	Optimal Layered Video IPTV Multicast Streaming Over Mobile WiMAX Systems. IEEE Transactions on Multimedia, 2011, 13, 1395-1403.	5.2	14
67	L-infinity event-triggered networked control under time-varying communication delay with communication cost reduction. Journal of the Franklin Institute, 2015, 352, 4776-4800.	1.9	14
68	Phase-retrieval attack free cryptosystem based on cylindrical asymmetric diffraction and double-random phase encoding. Optics Communications, 2018, 410, 468-474.	1.0	14
69	Measuring elemental time and duty cycle using automated video processing. Ergonomics, 2016, 59, 1514-1525.	1.1	13
70	Exploring Energy and Accuracy Tradeoff in Structure Simplification of Trained Deep Neural Networks. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2018, 8, 836-848.	2.7	13
71	Dynamic Sensor Self-Organization for Distributive Moving Target Tracking. Journal of Signal Processing Systems, 2008, 51, 161-171.	1.4	12
72	Face de-identification using facial identity preserving features. , 2015, , .		12

#	ARTICLE	IF	CITATIONS
73	Predicting Sagittal Plane Lifting Postures From Image Bounding Box Dimensions. Human Factors, 2019, 61, 64-77.	2.1	12
74	Digital Iterative Harmonic Rejection and Image Cancellation for LPF-Less Frequency-Interleaved Analog-to-Digital Converters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 2072-2076.	2.2	12
75	Multicamera Laparoscopic Imaging With Tunable Focusing Capability. Journal of Microelectromechanical Systems, 2014, 23, 1290-1299.	1.7	11
76	Efficient Sparse Signal Transmission over a Lossy Link Using Compressive Sensing. Sensors, 2015, 15, 19880-19911.	2.1	11
77	Cardinalised probability hypothesis density tracking algorithm for extended objects with glint noise. IET Science, Measurement and Technology, 2016, 10, 528-536.	0.9	11
78	Sparse Signal Aloha: A Compressive Sensing-Based Method for Uncoordinated Multiple Access. IEEE Communications Letters, 2017, 21, 1301-1304.	2.5	11
79	The accuracy of a 2D video-based lifting monitor. Ergonomics, 2019, 62, 1043-1054.	1.1	11
80	Power system structure optimization based on reinforcement learning and sparse constraints under DoS attacks in cloud environments. Simulation Modelling Practice and Theory, 2021, 110, 102272.	2.2	11
81	The accuracy of conventional 2D video for quantifying upper limb kinematics in repetitive motion occupational tasks. Ergonomics, 2015, 58, 2057-2066.	1.1	10
82	Evaluation of Simulated Clinical Breast Exam Motion Patterns Using Marker-Less Video Tracking. Human Factors, 2016, 58, 427-440.	2.1	10
83	Measuring exertion time, duty cycle and hand activity level for industrial tasks using computer vision. Ergonomics, 2017, 60, 1730-1738.	1.1	10
84	Asymmetric Cryptosystem Using Improved Equal Modulus Decomposition in Cylindrical Diffraction Domain. IEEE Access, 2019, 7, 66234-66241.	2.6	10
85	Robust and Accurate Curvature Estimation Using Adaptive Line Integrals. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	9
86	Non-minimal, turn-model based NoC routing. Microprocessors and Microsystems, 2013, 37, 899-914.	1.8	9
87	On the Implementation of Compressive Sensing on Wireless Sensor Network. , 2016, , .		9
88	Invertible encryption network for optical image cryptosystem. Optics and Lasers in Engineering, 2022, 149, 106784.	2.0	9
89	On the convergence of the CORDIC adaptive lattice filtering (CALF) algorithm. IEEE Transactions on Signal Processing, 1998, 46, 1861-1871.	3.2	8
90	Maximum likelihood parameter estimation for image ringing artifact removal. , 0, , .		8

#	ARTICLE	IF	CITATIONS
91	Data-Coverage Sleep Scheduling in Wireless Sensor Networks. , 2008, , .		8
92	A motion tracking system for hand activity assessment. , 2014, , .		8
93	A direct method for power system corrective control to relieve current violation in transient with UPFCs by barrier functions. International Journal of Electrical Power and Energy Systems, 2016, 78, 626-636.	3.3	8
94	Scale-free topology optimization for software-defined wireless sensor networks: A cyber-physical system. International Journal of Distributed Sensor Networks, 2017, 13, 155014771771362.	1.3	8
95	Optimal Camera Pose and Placement Configuration for Maximum Field-of-View Video Stitching. Sensors, 2018, 18, 2284.	2.1	8
96	Cross-Layer Design for Network Lifetime Maximization in Underwater Wireless Sensor Networks. , 2018, , .		8
97	Video Salient Object Detection via Robust Seeds Extraction and Multi-graphs Manifold Propagation. IEEE Transactions on Circuits and Systems for Video Technology, 2019, , 1-1.	5.6	8
98	A Sparse Neural Network Based Control Structure Optimization Game under DoS Attacks for DES Frequency Regulation of Power Grid. Applied Sciences (Switzerland), 2019, 9, 2217.	1.3	8
99	Multi-View Image Denoising Using Convolutional Neural Network. Sensors, 2019, 19, 2597.	2.1	8
100	Adaptive visual target tracking algorithm based on classified-patch kernel particle filter. Eurasip Journal on Image and Video Processing, 2019, 2019, .	1.7	8
101	Large-Field-of-View Visualization with Small Blind Spots Utilizing Tilted Micro-Camera Array for Laparoscopic Surgery. Micromachines, 2020, 11, 488.	1.4	8
102	Multiprocessor implementation of real-time DSP algorithms. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 1995, 3, 393-403.	2.1	7
103	Mapping deep nested do-loop DSP algorithms to large scale FPGA array structures. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2003, 11, 208-217.	2.1	7
104	3DFFT: Thermal Analysis of Non-Homogeneous IC Using 3D FFT Green Function Method. , 2007, , .		7
105	Adaptive nodes scheduling approach for clustered sensor networks. , 2009, , .		7
106	Target tracking with distance-dependent measurement noise in wireless sensor networks. , 2013, , .		7
107	Passive source localization from array covariance matrices via joint sparse representations. Neurocomputing, 2017, 270, 82-90.	3.5	7
108	Asymmetric Color Image Cryptosystem Using Detour Cylindrical-Diffraction and Phase Reservation & Truncation. IEEE Access, 2018, 6, 53976-53983.	2.6	7

#	ARTICLE	IF	CITATIONS
109	Frequency-Interleaved ADCs With Adaptive Blind Cyclic Calibration. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 9427-9440.	2.4	7
110	Time- and Frequency-Interleaving: Distinctions and Connections. IEEE Transactions on Signal Processing, 2021, 69, 2555-2568.	3.2	7
111	Speckle Suppression Using Cylindrical Self-Diffraction for Cylindrical Phase-Only Hologram. IEEE Photonics Journal, 2021, 13, 1-11.	1.0	7
112	A model-based expert system for digital system design. IEEE Design and Test of Computers, 1990, 7, 24-40.	1.4	6
113	Optimal VLSI architecture for vector quantization. , 0, , .		6
114	Wave-pipelined on-chip global interconnect. , 0, , .		6
115	Coscor framework for DoA estimation on wireless array sensor network. , 2013, , .		6
116	UPFCs control design for avoiding generator trip of electric power grid with barrier function. International Journal of Electrical Power and Energy Systems, 2015, 68, 150-158.	3.3	6
117	Wireless Sensor Array Network DoA Estimation from Compressed Array Data via Joint Sparse Representation. Sensors, 2016, 16, 686.	2.1	6
118	A simplified frequency-interleaved ADC with integrated mismatch compensation. , 2018, , .		6
119	Digital Estimation and Compensation of Analog Errors in Frequency-Interleaved ADCs. Journal of Circuits, Systems and Computers, 2019, 28, 1950134.	1.0	6
120	A Reinforcement Learning Scheme for Active Multi-Debris Removal Mission Planning With Modified Upper Confidence Bound Tree Search. IEEE Access, 2020, 8, 108461-108473.	2.6	6
121	Analysis of convergence properties of a stochastic evolution algorithm. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 1996, 15, 826-831.	1.9	5
122	A perceptually-tuned block-transform-based progressive transmission image coder. , 0, , .		5
123	Summation Invariant and Its Applications to Shape Recognition. , 0, , .		5
124	Robust Maximum Likelihood Acoustic Source Localization in Wireless Sensor Networks. , 2009, , .		5
125	Parallel implementation of convolution encoder for software defined radio on DSP architecture. , 2009, , .		5
126	Cycle efficient scrambler implementation for software defined radio. , 2010, , .		5



#	ARTICLE	IF	CITATIONS
127	TM-FAR: Turn-Model based Fully Adaptive Routing for Networks on Chip. , 2010, , .		5
128	How many wireless resources are needed to resolve the hidden terminal problem?. Computer Networks, 2013, 57, 3987-3996.	3.2	5
129	Real-time X-ray radiography for defect detection in submerged arc welding and segmentation using sparse signal representation. Insight: Non-Destructive Testing and Condition Monitoring, 2014, 56, 299-307.	0.3	5
130	Topology evolution model for wireless multi-hop network based on socially inspired mechanism. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 639-650.	1.2	5
131	ARTIFICIAL INTELLIGENCE IN SCHEDULING AND INSTRUCTION SELECTION FOR DIGITAL SIGNAL PROCESSORS. Applied Artificial Intelligence, 1994, 8, 377-392.	2.0	4
132	Guest Editors' Introduction: Neural Networks For Signal Processing. IEEE Transactions on Signal Processing, 1997, 45, 2637-2638.	3.2	4
133	Blocking effect removal using regularization and dithering. , 0, , .		4
134	Blocking artifact free inverse discrete cosine transform. , 0, , .		4
135	Block based statistical timing analysis with extended canonical timing model. , 0, , .		4
136	Fluidity concept for NoC: A congestion avoidance and relief routing scheme. , 2008, , .		4
137	Collaborative Sampling in Wireless Sensor Networks. , 2010, , .		4
138	Runtime temperature-based power estimation for optimizing throughput of thermal-constrained multi-core processors. , 2010, , .		4
139	Optimal Detector Based on Data Fusion for Wireless Sensor Networks. , 2011, , .		4
140	Evaluation of hands-on clinical exam performance using marker-less video tracking. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 793-797.	0.2	4
141	CS-Based Framework for Sparse Signal Transmission over Lossy Link. , 2014, , .		4
142	Exploring energy and accuracy tradeoff in structure simplification of trained deep neural networks. , 2018, , .		4
143	Semi-Supervised anchor graph ensemble for large-scale hyperspectral image classification. International Journal of Remote Sensing, 2022, 43, 1894-1918.	1.3	4
144	Efficient scheduling and instruction selection for programmable digital signal processors. IEEE Transactions on Signal Processing, 1994, 42, 3549-3552.	3.2	3

#	ARTICLE	IF	CITATIONS
145	Processor Array Synthesis from Shift-Variant Deep Nested Do Loops. Journal of Supercomputing, 2003, 24, 229-249.	2.4	3
146	Flow Maximization for NoC Routing Algorithms. , 2008, , .		3
147	Optimal Target Detection with Localized Fusion in Wireless Sensor Networks. , 2008, , .		3
148	A scalable and fault-tolerant network routing scheme for many-core and multi-chip systems. Journal of Parallel and Distributed Computing, 2012, 72, 1433-1441.	2.7	3
149	Direct Localization of Multiple Sources in Sensor Array Networks: A Joint Sparse Representation of Array Covariance Matrices Approach. , 2013, , .		3
150	A Direct Wideband Direction of Arrival Estimation under Compressive Sensing. , 2013, , .		3
151	Cycle-Efficient LFSR Implementation on Word-Based Microarchitecture. IEEE Transactions on Computers, 2013, 62, 832-838.	2.4	3
152	Energy Balanced Scheduling for Target Tracking with Distance-Dependent Measurement Noise in a WSN. International Journal of Distributed Sensor Networks, 2013, 9, 179623.	1.3	3
153	Multiple view image denoising using 3D focus image stacks. , 2015, , .		3
154	Frame-Subsampled, Drift-Resilient Video Object Tracking. , 2018, , .		3
155	On the Application of Reinforcement Learning in Multi-debris Active Removal Mission Planning. , 2019, , .		3
156	CHaPR: Efficient Inference of CNNs via Channel Pruning. , 2020, , .		3
157	Towards Real-Time, Multi-View Video Stereopsis. , 2020, , .		3
158	Novel fully convolutional network for cryptanalysis of cryptosystem by equal modulus decomposition. Laser Physics Letters, 2020, 17, 095201.	0.6	3
159	Load Asymmetry Angle Estimation Using Multiple-View Videos. IEEE Transactions on Human-Machine Systems, 2021, 51, 734-739.	2.5	3
160	Convex Neural Networks Based Reinforcement Learning for Load Frequency Control under Denial of Service Attacks. Algorithms, 2022, 15, 34.	1.2	3
161	Towards Real-time 3D Visualization with Multiview RGB Camera Array. Journal of Signal Processing Systems, 2022, 94, 329-343.	1.4	3
162	A two-level scheme for multiobjective multidebris active removal mission planning in low Earth orbits. Science China Information Sciences, 2022, 65, 1.	2.7	3

#	ARTICLE	IF	CITATIONS
163	On-Chip Cache Algorithm Design for Multimedia SOC. , 0, , .		2
164	A unified partitioning and scheduling scheme for mapping multi-stage regular iterative algorithms onto processor arrays. Journal of Signal Processing Systems, 1995, 11, 133-150.	1.0	2
165	A novel modular systolic array architecture for full-search block matching motion estimation. , 0, , .		2
166	Adaptive online learning of optimal decision boundary using active sampling. , 0, , .		2
167	Convergence-provable statistical timing analysis with level-sensitive latches and feedback loops. , 0, , .		2
168	3D Human Face Recognition Using Summation Invariants. , 0, , .		2
169	Algorithm Transformation to Improve Data Locality for Multimedia SOC. , 2007, , .		2
170	Design of a SIMD multimedia SoC platform. , 2007, , .		2
171	Estimating correspondence between multiple cameras using joint invariants. , 2009, , .		2
172	A novel cross-layer data aggregation approach for extreme values in wireless sensor networks. , 2009, , .		2
173	An instruction set architecture independent design method for embedded OFDM-based software defined transmitter. , 2009, , .		2
174	Performance-energy tradeoffs in reliable NoCs. , 2009, , .		2
175	Optimal Layered Video IPTV Multicast Streaming over IEEE 802.16e WiMAX Systems. , 2010, , .		2
176	The compatibility analysis of thread migration and DVFS in multi-core processor. , 2010, , .		2
177	Data centric multi-shift sensor scheduling for wireless sensor networks. , 2013, , .		2
178	Bit matrix transpose with tensor product and perfect shuffling. , 2013, , .		2
179	Facial image de-identification using identity subspace decomposition. , 2014, , .		2
180	Parallax Mitigation for Real-Time Close Field Video Stitching. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
181	Multiple view image denoising using 3D focus image stacks. Computer Vision and Image Understanding, 2018, 171, 34-47.	3.0	2
182	Effective object proposals: size prediction for pedestrian detection in surveillance videos. Electronics Letters, 2020, 56, 706-709.	0.5	2
183	An Adaptive Blind Cyclic Calibration Technique for Two-Channel Frequency-Interleaved ADCs. , 2020, , .		2
184	Network-Cognitive Traffic Control: A Fluidity-Aware On-Chip Communication. Electronics (Switzerland), 2020, 9, 1667.	1.8	2
185	Efficient Proposals: Scale Estimation for Object Proposals in Pedestrian Detection Tasks. IEEE Signal Processing Letters, 2020, 27, 855-859.	2.1	2
186	PACE: Physically-Assisted Channel Estimation. IEEE Transactions on Wireless Communications, 2020, 19, 3769-3781.	6.1	2
187	Wavelet packet based optimal subband coder. , 0, , .		1
188	A high-throughput modular architecture for three-step search block matching motion estimation. , 0, , .		1
189	A novel, batch modular learning approach for ECG beat classification. , 0, , .		1
190	Memory Access Optimization of Motion Estimation Algorithms on a Native SIMD PLX Processor. , 2006, , .		1
191	Optimal Multiple-Bit Huffman Decoding. , 2006, , .		1
192	Multiscale Integral Invariants For Facial Landmark Detection in 2.5D Data. , 2007, , .		1
193	Using Data Recovery Models for Multi-shift Scheduling in Wireless Sensor Networks. , 2008, , .		1
194	Decentralized Robust Acoustic Source Localization with Wireless Sensor Networks for Heavy-Tail Distributed Observations. , 2010, , .		1
195	Compressed sensing enhanced random equivalent sampling. , 2012, , .		1
196	Novel time-multiplexing bidirectional on-chip network. , 2013, , .		1
197	A unified link-layer fault-tolerant architecture for network-based many-core embedded systems. Journal of Systems Architecture, 2013, 59, 492-504.	2.5	1
198	Cycle efficient bit rate matching for LTE-a with instructions support. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
199	A novel flow fluidity meter for BiNoC bandwidth resource allocation. , 2015, , .		1
200	Transverse beam stability measurement and analysis for the SNS accumulator ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 788, 161-167.	0.7	1
201	Adaptive Visual Target Tracking Based on Label Consistent K-Svd Sparse Coding and Kernel Particle Filter. , 2018, , .		1
202	Temporal Frame Sub-Sampling for Video Object Tracking. Journal of Signal Processing Systems, 2020, 92, 569-581.	1.4	1
203	Resolution Adaptative Network for Cryptanalysis of Asymmetric Cryptosystems. IEEE Access, 2020, 8, 187419-187430.	2.6	1
204	Low-noise and fast three-dimensional information encryption based on the double-phase method. Optical Review, 2021, 28, 190-198.	1.2	1
205	Multi-residual Connection Network for Edge Detection. Neural Processing Letters, 2021, 53, 2165-2174.	2.0	1
206	Automated entry system for Chinese printed documents. Image and Vision Computing, 1995, 13, 745-754.	2.7	0
207	Joint optimization of lattice vector quantizer and entropy coder for a Laplacian source. , 0, , .		0
208	VLSI Signal Processing. , 2005, , 933-948.		0
209	Symbolic verification and error prediction methodology. , 2007, , .		0
210	An optimal algorithm for sizing sequential circuits for industrial library based designs. , 2008, , .		0
211	Planar-projective summation invariant features for camera networks. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	0
212	Weighted Source Localization in a Underwater Wireless Sensor Array Network. , 2009, , .		0
213	Summation invariant multi-region fusion comparison. , 2009, , .		0
214	OFDM Peak to Average Power Ratio reduction using sparse bit-plane coding. , 2010, , .		0
215	Systolic Arrays. , 2010, , 817-849.		0
216	Optimal Multiple-Bit Huffman Decoding. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 621-631.	5.6	0

#	ARTICLE	IF	CITATIONS
217	An integral-based curvature estimator and its application in face recognition. , 2010, , .		0
218	Intelligent cross-layer distributed data aggregation in wireless sensor networks. , 2011, , .		0
219	Cycle-efficient lineary feedback shift register implementation on word-based micro-architecture. , 2012, , .		0
220	Feature extraction in developing an airs cloud mask. , 2013, , .		0
221	Calculation of Diffraction Patterns on inside Cylindrical Surface. Applied Mechanics and Materials, 2014, 533, 260-263.	0.2	0
222	Source Localization and Tracking. Academic Press Library in Signal Processing, 2014, 3, 799-817.	0.8	0
223	Tensor product and perfect shuffling for bit matrix transpose: Bit-interleaver for SDR DVB-T2. , 2014, , .		0
224	A prefetching scheme for Automatic Repeat-reQuest fault-tolerant on-chip network. , 2014, , .		0
225	Piecewise planar super-resolution for 3D scene. , 2015, , .		0
226	Iterative-Mapping PHD filter for extended targets tracking. , 2015, , .		0
227	A New Approach to Inverting and De-Noising Backscatter from Lidar Observations. EPJ Web of Conferences, 2016, 119, 25004.	0.1	0
228	Atmospheric lidar imaging and poisson inverse problems. , 2016, , .		0
229	A BiNoC architectureâ€”aware task allocation and communication scheduling scheme. Microprocessors and Microsystems, 2016, 42, 215-226.	1.8	0
230	Patch-based multiple view image denoising with occlusion handling. , 2017, , .		0
231	Techniques for High Performance Noc Routing. , 2012, , 35-50.		0
232	A fast method of calculating diffraction patterns on inside cylindrical surface. , 2014, , .		0
233	Video-Based Automatic Wrist Flexion and Extension Classification. IEEE Transactions on Human-Machine Systems, 2022, 52, 824-832.	2.5	0