

Kameswara Rao Namuduri

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

1,327
citations

516710

16
h-index

434195

31
g-index

129
all docs

129
docs citations

129
times ranked

1188
citing authors

#	ARTICLE	IF	CITATIONS
1	A Low-power Dry Electrode-based ECG Signal Acquisition with De-noising and Feature Extraction. Journal of Signal Processing Systems, 2022, 94, 579-593.	2.1	2
2	Multi-Agent Systems (MAS) related data analytics in the Hybrid Aerial Underwater Robotic System (HAUCS). , 2021, , .		0
3	Advanced Air Mobility [From the Guest Editors]. IEEE Vehicular Technology Magazine, 2021, 16, 87-164.	3.4	1
4	Initial Development of the Hybrid Aerial Underwater Robotic System (HAUCS): Internet of Things (IoT) for Aquaculture Farms. IEEE Internet of Things Journal, 2021, 8, 14013-14027.	8.7	19
5	Air Corridors: Concept, Design, Simulation, and Rules of Engagement. Sensors, 2021, 21, 7536.	3.8	6
6	Patterns of communication during full-scale emergency/disaster drills. Journal of Emergency Management, 2021, 19, 575-589.	0.3	2
7	Techniques for Constructing Indoor Navigation Systems for the Visually Impaired: A Review. IEEE Transactions on Human-Machine Systems, 2020, 50, 492-506.	3.5	18
8	Dose prediction with deep learning for prostate cancer radiation therapy: Model adaptation to different treatment planning practices. Radiotherapy and Oncology, 2020, 153, 228-235.	0.6	45
9	A Dry Electrode-Based ECG Sensor with Motion Artifacts Cancellation and Signal Analysis for Heart Irregularity Detection. , 2020, , .		2
10	Communication Support for Unmanned Air Transportation [From the Guest Editors]. IEEE Vehicular Technology Magazine, 2020, 15, 20-21.	3.4	1
11	Impact of Leadership and Mobility on Consensus-Building in Sensor Networks. Sensors, 2020, 20, 1081.	3.8	1
12	Mobility Accelerates Consensus Building in Sensor Networks. , 2020, 4, 1-4.		0
13	Remote ID and Vehicle-to-Vehicle Communications for Unmanned Aircraft System Traffic Management. Lecture Notes in Computer Science, 2020, , 194-202.	1.3	4
14	An Experimental Study of Wi-Fi Access Service using Drones in Container Yard. , 2020, , .		0
15	Impact of High Temperature on Performance of Wearable Electro-Textile Antennas. , 2019, , .		1
16	Joint Flocking and Deconfliction in Unmanned Aerial Vehicle Swarms. , 2019, , .		0
17	Formation Control of UAVs for Connectivity Maintenance and Collision Avoidance. , 2019, , .		6
18	An Ecosystem for Disaster Relief Operations. , 2019, , .		0

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19	Using EEG Signal to Analyze IS Decision Making Cognitive Processes. Lecture Notes in Information Systems and Organisation, 2018, , 211-218.	0.6	2
20	Adaptive Gateway Discovery for Load Distribution in Hybrid Wireless Networks. , 2018, , .		0
21	A Hierarchical Framework for Estimating the Performance of an Aerial Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 119-130.	0.3	0
22	Impact of mobility on convergence rate in a wireless sensor network. , 2017, , .		2
23	Flying cell towers to the rescue. IEEE Spectrum, 2017, 54, 38-43.	0.7	17
24	Aerial Base Stations for Enabling Cellular Communications during Emergency Situation. , 2017, , .		7
25	Neuroscience Foundations for Human Decision Making in Information Security: A General Framework and Experiment Design. Lecture Notes in Information Systems and Organisation, 2017, , 91-98.	0.6	4
26	Reliability, Throughput and Latency Analysis of an Aerial Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 382-389.	0.3	1
27	Mobility Support for Next-Generation Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2016, 12, 2462754.	2.2	2
28	Characterizing rate distortion region for video coding from first principles. , 2015, , .		0
29	A link between consensus building and Low Density Parity Check decoding. , 2015, , .		1
30	Dynamic Wi-Fi fingerprinting indoor positioning system. , 2014, , .		16
31	Enabling next generation airborne communications [Guest Editorial]. , 2014, 52, 102-103.		2
32	Performance evaluation of eigenvalue-based detection strategies in a sensor network. , 2014, , .		1
33	A Survey and Analysis of Mobility Models for Airborne Networks. IEEE Communications Surveys and Tutorials, 2014, 16, 1221-1238.	39.4	106
34	The impact of multiâ€group multiâ€layer network structure on the performance of distributed consensus building strategies. International Journal of Robust and Nonlinear Control, 2013, 23, 653-662.	3.7	21
35	Analysis of Mobility Models for Airborne Networks. , 2013, , .		7
36	A Smooth-Turn Mobility Model for Airborne Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 3359-3370.	6.3	88

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37	Circuits, Systems, and Technologies for Detecting the Onset of Sudden Cardiac Death Through EKG Analysis. IEEE Circuits and Systems Magazine, 2013, 13, 10-25.	2.3	4
38	Estimation and Validation of the 3D Smooth-Turn Mobility Model for Airborne Networks. , 2013, , .		15
39	Coarse automated registration of visual imagery with three-dimensional light detection and ranging models. Journal of Electronic Imaging, 2013, 22, 033035.	0.9	2
40	A Testbed for Multi-Domain Communication Networks Using Lego Mindstroms. , 2013, , .		2
41	Mobile ad hoc networks in the sky. , 2013, , .		18
42	Statistical ranking of sensor observations for centralized detection with distributed sensors. , 2013, , .		4
43	A Comprehensive Modeling Framework for Airborne Mobility. , 2013, , .		8
44	Robust 3D reconstruction using LiDAR and N - visual image. Proceedings of SPIE, 2013, , .	0.8	1
45	Airborne network. , 2012, , .		15
46	Cooperative communication based on random beamforming strategy in wireless sensor networks. , 2012, , .		4
47	A smooth-turn mobility model for airborne networks. , 2012, , .		19
48	HORNS: A semi-perfectly secret homomorphic encryption system. , 2012, , .		2
49	Detection of image transformation for reduced error in 2-D reconstruction. , 2012, , .		0
50	Color-based features for registering image time series. Proceedings of SPIE, 2012, , .	0.8	1
51	Analytical Estimation of Path Duration in Mobile Ad Hoc Networks. IEEE Sensors Journal, 2012, 12, 1828-1835.	4.7	45
52	A Lego Mindstorms NXT-Based Test Bench for Cohesive Distributed Multi-agent Exploratory Systems: Mobility and Coordination. , 2012, , .		3
53	OCTOPUS: An On-Demand Communication Topology Updating Strategy for Mobile Sensor Networks. IEEE Sensors Journal, 2011, 11, 1004-1012.	4.7	13
54	Fast, Automated 2D Estimation and Error Reduction by Model Selection. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
55	Map updation using image registration for different sensors by camera calibration. , 2011, , .		1
56	A factor graph based dynamic spectrum allocation approach for cognitive network. , 2011, , .		5
57	HORNS: A homomorphic encryption scheme for Cloud Computing using Residue Number System. , 2011, , .		46
58	Estimation of camera matrix using lidar and aerial images. Proceedings of SPIE, 2011, , .	0.8	0
59	2D-3D registration using intensity gradients. Proceedings of SPIE, 2011, , .	0.8	2
60	The Impact of Multi-group Multi-layer Network Structure on the Performance of Distributed Consensus Building Strategies. , 2011, , .		0
61	The chief security officer problem. , 2011, , .		0
62	On the dependence of burst losses on the packet inter-arrival times in VoIP. , 2010, , .		1
63	Error analysis and performance estimation of two different mathematical methods for image registration. , 2010, , .		0
64	Power, performance and security optimized hardware design for H.264. , 2010, , .		0
65	LDPC-like belief propagation algorithm for consensus building in wireless sensor networks. , 2009, , .		3
66	SVSS: Intelligent video surveillance system for aircraft. IEEE Aerospace and Electronic Systems Magazine, 2009, 24, 23-29.	1.3	5
67	An active trust model based on zero knowledge proofs for airborne networks. , 2009, , .		0
68	Automatic extraction of highlights from a cricket video using MPEG-7 descriptors. , 2009, , .		17
69	Video stabilization using principal component analysis and scale invariant feature transform in particle filter framework. IEEE Transactions on Consumer Electronics, 2009, 55, 1714-1721.	3.6	64
70	Image Registration in Low Resolution Visual Sensor Networks. , 2008, , .		3
71	Multimedia over Wireless Networks. Eurasip Journal on Wireless Communications and Networking, 2008, 2008, .	2.4	0
72	A Framework for Estimating the Capacity of Multi Channel Digital Image Watermarking. , 2007, , .		2

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73	SVSS: an intelligent video surveillance system for aircraft. , 2007, , .		0
74	Distributed Source Coding using non-binary LDPC codes for sensor network applications. , 2007, , .		3
75	Image Change Detection Using Wireless Sensor Networks. , 2007, , 240-252.		3
76	Node Authentication in Networks Using Zero-Knowledge Proofs. , 2007, , 142-164.		1
77	A Decision Support Framework for Automated Screening of Diabetic Retinopathy. International Journal of Biomedical Imaging, 2006, 2006, 1-8.	3.9	45
78	Link availability and its effects on the capacity of mobile ad hoc wireless networks - an analytical approach. , 2006, , .		2
79	Tracing Cyber Crimes with a Privacy-Enabled Forensic Profiling System. , 2006, , 137-154.		0
80	Secure, Redundant, and Fully Distributed Key Management Scheme for Mobile Ad Hoc Networks: An Analysis. Eurasip Journal on Wireless Communications and Networking, 2005, 2005, 1.	2.4	25
81	Voice over IP security and law enforcement. , 2005, , .		3
82	Motion Estimation Using Spatio-Temporal Contextual Information. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 1111-1115.	8.3	26
83	A light weight dynamic rate control scheme for video transmission over IP network. Pattern Recognition Letters, 2004, 25, 817-827.	4.2	2
84	Feature preserving image compression. Pattern Recognition Letters, 2003, 24, 2767-2776.	4.2	17
85	Multi-priority video partitioning for CDMA based communication systems. , 2003, , .		1
86	Ad-hoc nodes and Internet connectivity using pseudo-wire interfaces. , 2003, , .		1
87	Issues with nested mobility. , 2003, , .		3
88	On the choice of wavelet in image compression applications. , 2003, , .		0
89	Context-based lossless image coding using EZW framework. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 554-559.	8.3	6
90	Image metrics for clutter characterization. , 2000, , .		3

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91	Context modeling of wavelet coefficients in EZW-based lossless image coding. , 1999, , .		4
92	Performance analysis of wavelets in embedded zerotree-based lossless image coding schemes. IEEE Transactions on Signal Processing, 1999, 47, 884-889.	5.3	12
93	<title>Effect of signal-to-clutter ratio on template-based ATR</title>. , 1998, 3370, 408.		7
94	<title>Improved template-based SAR ATR performance using learning vector quantization</title>. , 1998, 3462, 296.		1
95	SAR target detection by fusion of CFAR, variance, and fractal statistics. , 1998, 3374, 167.		3
96	<title>Image quality metrics based on scale</title>. , 1998, , .		0
97	<title>Scale-based approach for image quality evaluation</title>. , 1998, 3308, 36.		0
98	<title>Perceptual image compression for data transmission on the battlefield</title>. , 1998, , .		1
99	<title>Detection of targets in low-resolution FLIR images using two-dimensional directional wavelets</title>. , 1998, 3371, 510.		8
100	<title>Fast texture database retrieval using extended fractal features</title>. , 1997, , .		28
101	A lossless image compression algorithm using variable block size segmentation. IEEE Transactions on Image Processing, 1995, 4, 1396-1406.	9.8	28
102	Efficient computation of gabor filter based multiresolution responses. Pattern Recognition, 1994, 27, 925-938.	8.1	16
103	Gabor filter-based edge detection. Pattern Recognition, 1992, 25, 1479-1494.	8.1	332
104	An architecture to implement multiresolution. , 1991, , .		7
105	Edge detection models based on Gabor filters. , 0, , .		9
106	A lossless image compression algorithm using variable block size segmentation. , 0, , .		2
107	Computation and performance trade-offs in motion estimation algorithms. , 0, , .		7
108	Quantitative analysis of security protocols in wireless networks. , 0, , .		0

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109	Control traffic analysis of on-demand routing protocols in ad-hoc wireless networks. , 0, , .		5
110	Object Tracking in Video Using Particle Filtering. , 0, , .		8
111	Energy-aware, collaborative tracking with ad-hoc wireless sensor networks. , 0, , .		7
112	A practical approach for evaluating the capacity of watermarking channel. , 0, , .		0
113	Introduction to UAV Systems. , 0, , 1-25.		4
114	Safety, Security, and Privacy Aspects in UAV Networks. , 0, , 160-176.		0
115	Real-World Applications. , 0, , 194-213.		2