Y Ahmet Sekercioglu

List of Publications by Year
in descending order

56 papers	2,083 citations	567281 15 h-index	580821 25 g-index
57 all docs	57 docs citations	57 times ranked	1996 citing authors

#	Article	IF	Citations
1	Relative Pose Based Redundancy Removal: Collaborative RGB-D Data Transmission in Mobile Visual Sensor Networks. Sensors, 2018, 18, 2430.	3.8	3
2	Collaborative multi-sensor image transmission and data fusion in mobile visual sensor networks equipped with RGB-D cameras. , 2016, , .		3
3	Partitioning de Bruijn graphs into fixed-length cycles for robot identification and tracking. Discrete Applied Mathematics, 2016, 213, 101-113.	0.9	3
4	Distributed formation control of networked mobile robots in environments with obstacles. Robotica, 2016, 34, 1403-1415.	1.9	11
5	Vision-Based Cooperative Pose Estimation for Localization in Multi-Robot Systems Equipped with RGB-D Cameras. Robotics, 2015, 4, 1-22.	3.5	15
6	Self-calibration in visual sensor networks equipped with RGB-D cameras. , 2015, , .		1
7	Virtual Localization for Robust Geographic Routing in Wireless Sensor Networks. Lecture Notes in Computer Science, 2015, , 179-186.	1.3	1
8	Toward a Power-Efficient Backbone Network: The State of Research. IEEE Communications Surveys and Tutorials, 2015, 17, 198-227.	39.4	48
9	Translation Invariant Features from Cascaded Wavelet and Fourier Transforms for Bearing Fault Pattern Recognition Using Artificial Neural Network. International Journal of Machine Learning and Computing, 2015, 5, 12-16.	0.6	3
10	Realâ€time load disaggregation algorithm using particleâ€based distribution truncation with state occupancy model. Electronics Letters, 2014, 50, 697-699.	1.0	22
11	The impact of clustering on the average path length in wireless sensor networks. , 2014, , .		1
12	Adaptive Statistical Signatures of Network Soft-Failures in User Devices. Computer Journal, 2014, 57, 1262-1278.	2.4	0
13	A polymorphic recogniser for distributed intelligence in wireless sensor networks. , 2014, , .		0
14	Distributed formation control in cluttered environments. , 2013, , .		5
15	A real-time distributed relative pose estimation algorithm for RGB-D camera equipped visual sensor networks. , 2013, , .		3
16	Automated diagnosis of known and unknown soft-failure in user devices using transformed Signatures and single classifier architecture. , 2013, , .		1
17	A fast multiple appliance detection algorithm for non-intrusive load monitoring. , 2013, , .		4
18	A Survey on Distributed Topology Control Techniques for Extending the Lifetime of Battery Powered Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2013, 15, 121-144.	39.4	273

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19	A generalised solution for generating stepper motor speed profiles in real time. Mechatronics, 2013, 23, 541-547.	3.3	15
20	Recent approaches to non-intrusive load monitoring techniques in residential settings. , 2013, , .		64
21	Analysis of an Optical Wireless Receiver Using a Hemispherical Lens With Application in MIMO Visible Light Communications. Journal of Lightwave Technology, 2013, 31, 1744-1754.	4.6	183
22	Position Accuracy of Time-of-Arrival Based Ranging Using Visible Light With Application in Indoor Localization Systems. Journal of Lightwave Technology, 2013, 31, 3302-3308.	4.6	228
23	Swarm robotics reviewed. Robotica, 2013, 31, 345-359.	1.9	141
24	Multiview image compression and transmission techniques in Wireless Multimedia Sensor Networks: A survey. , 2013, , .		2
25	PhD forum: Efficient communication scheme for mobile visual sensor networks equipped with RGB-D cameras. , 2013, , .		0
26	A distributed energy aware connected dominating set technique for wireless sensor networks. , 2012, , .		8
27	A distributed topology control method for improving energy efficiency of wireless sensor networks. , 2012, , .		2
28	Hemispherical lens based imaging receiver for MIMO optical wireless communications. , 2012, , .		20
29	Waveband grouping policies for reducing energy consumption in optical internet backbone networks. , 2012, , .		2
30	A novel burst assembly method for energy saving in burst switching networks. , 2012, , .		0
31	Diagnosing client faults using SVM-based intelligent inference from TCP packet traces. , 2011, , .		0
32	Intelligent Automated Diagnosis of Client Device Bottlenecks in Private Clouds. , 2011, , .		7
33	A Novel Relative Speed Estimation Technique in WAVE Using Pilot Subcarriers. , 2011, , .		1
34	Optimization of vertical handover decision processes for Fourth Generation heterogeneous wireless networks. , 2011, , .		7
35	A survey of vertical handover decision algorithms in Fourth Generation heterogeneous wireless networks. Computer Networks, 2010, 54, 1848-1863.	5.1	374
36	Analysis of distributed smart camera calibration accuracy using minimal data transmission. , 2010, , .		3

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37	Mobility-Aware RSVP: A framework for improving the performance of multimedia services over wireless IP-based mobile networks. Computer Communications, 2009, 32, 569-582.	5.1	4
38	A survey of MAC based QoS implementations for WiMAX networks. Computer Networks, 2009, 53, 2517-2536.	5.1	35
39	Mobility protocols and RSVP performance in wireless IPv6 networks: shortcomings and solutions. Wireless Communications and Mobile Computing, 2008, 8, 1183-1199.	1.2	5
40	A Traveling Distance Prediction Based Method to Minimize Unnecessary Handovers from Cellular Networks to WLANs. IEEE Communications Letters, 2008, 12, 14-16.	4.1	123
41	A method for minimizing unnecessary handovers in heterogeneous wireless networks. , 2008, , .		18
42	A dynamic call admission control scheme for optimization with QoS provisioning in multiclass cellular networks. , 2008, , .		1
43	Fuzzy logic systems: A classification based on capabilities in handling uncertainty. , 2007, , .		2
44	Detecting Selective Forwarding Attacks in Wireless Sensor Networks using Support Vector Machines. , 2007, , .		133
45	A Low-Cost Flooding Algorithm for Wireless Sensor Networks. , 2007, , .		13
46	Prediction of geometric errors of robot manipulators with Particle Swarm Optimisation method. Robotics and Autonomous Systems, 2006, 54, 956-966.	5.1	59
47	A survey of multipoint relay based broadcast schemes in wireless ad hoc networks. IEEE Communications Surveys and Tutorials, 2006, 8, 30-46.	39.4	62
48	Gateway Multipoint Relays-an MPR-Based Broadcast Algorithm for Ad Hoc Networks. , 2006, , .		20
49	Enhanced Gateway Multipoint Relays for Constructing a Small Connected Dominating Set in Wireless Ad Hoc Networks. , 2006, , .		3
50	WLC40-3: A Mechanism for Enhancing VoIP Performance over Wireless Networks using Embedded Mobility-Specific Information in RSVP Objects. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
51	Performance of IEEE 802.11b Wireless Links: An Experimental Study. , 2005, , .		4
52	Trust Models and Security Considerations in Multicast Listener Discovery Protocol version 2 (MLDv2). , 2005, , .		1
53	Fuzzy logic controlled RED: congestion control in TCP/IP differentiated services networks. Soft Computing, 2003, 8, 79-92.	3.6	21
54	Congestion control in differentiated services networks using Fuzzy-RED. Control Engineering Practice, 2003, 11, 1153-1170.	5.5	35

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55	Aggregated bandwidth allocation: investigation of performance of classical constrained and genetic algorithm based optimisation techniques. Computer Communications, 2002, 25, 1443-1453.	5.1	13
56	Effective control of traffic flow in ATM networks using fuzzy explicit rate marking (FERM). IEEE Journal on Selected Areas in Communications, 1997, 15, 209-225.	14.0	76