

# Anis Koubaa

## List of Publications by Year in descending order

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193  
papers

5,829  
citations

126858

33  
h-index

114418

63  
g-index

202  
all docs

202  
docs citations

202  
times ranked

4206  
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey on COVID-19 impact in the healthcare domain: worldwide market implementation, applications, security and privacy issues, challenges and future prospects. <i>Complex &amp; Intelligent Systems</i> , 2023, 9, 1027-1058.	4.0	25
2	Cloud Versus Edge Deployment Strategies of Real-Time Face Recognition Inference. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 143-160.	4.1	24
3	Fusion of convolutional neural networks based on Dempster-Shafer theory for automatic pneumonia detection from chest X-ray images. <i>International Journal of Imaging Systems and Technology</i> , 2022, 32, 658-672.	2.7	34
4	Mental Health Intent Recognition for Arabic-Speaking Patients Using the Mini International Neuropsychiatric Interview (MINI) and BERT Model. <i>Sensors</i> , 2022, 22, 846.	2.1	7
5	Semantic Segmentation and Edge Detection Approach to Road Detection in Very High Resolution Satellite Images. <i>Remote Sensing</i> , 2022, 14, 613.	1.8	31
6	A Pragmatic Ensemble Strategy for Missing Values Imputation in Health Records. <i>Entropy</i> , 2022, 24, 533.	1.1	7
7	Improving the Performance of Cooperative Platooning With Restricted Message Trigger Thresholds. <i>IEEE Access</i> , 2022, 10, 45562-45575.	2.6	3
8	A Microscopic Platoon Stability Model Using Vehicle-to-Vehicle Communication. <i>Electronics (Switzerland)</i> , 2022, 11, 1994.	1.8	5
9	Smart Transportation in Developing Countries: An Internet-of-Things-Based Conceptual Framework for Traffic Control. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-11.	0.8	6
10	Dynamic computation offloading for ground and flying robots: Taxonomy, state of art, and future directions. <i>Computer Science Review</i> , 2022, 45, 100488.	10.2	4
11	TAU: A framework for video-based traffic analytics leveraging artificial intelligence and unmanned aerial systems. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 114, 105095.	4.3	16
12	ModPSO-CNN: an evolutionary convolution neural network with application to visual recognition. <i>Soft Computing</i> , 2021, 25, 2165-2176.	2.1	18
13	Fast terminal sliding mode controller for high speed and complex maneuvering of unmanned aerial vehicles. , 2021, , 203-230.		1
14	Robust Decentralized Asynchronous Control of Unmanned Aerial Vehicles Swarm with Fast Convergence Switching Topology. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 662-673.	0.5	3
15	Lagrangian Dynamic Model Derivation and Energy Shaping Control of Non-holonomic Unmanned Aerial Vehicles. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 483-493.	0.5	3
16	Event-driven programming-based path planning and navigation of UAVs around a complex urban environment. , 2021, , 531-565.		7
17	Sliding mode controller design for unmanned aerial vehicles with unmodeled polytopic dynamics. , 2021, , 495-519.		1
18	A Comprehensive Evaluation of Metadata-Based Features to Classify Research Paper's Topics. <i>IEEE Access</i> , 2021, 9, 133500-133509.	2.6	4

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19	Finite Element Euler-Lagrange Dynamic Modeling and Passivity Based Control of Flexible Link Robot. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 451-462.	0.5	2
20	Robust fractional-order sliding mode control design for UAVs subjected to atmospheric disturbances. , 2021, , 103-128.		2
21	An Integrated Lateral and Longitudinal Look Ahead Controller for Cooperative Vehicular Platooning. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021, , 142-159.	0.2	3
22	Dynamic Integral PID Sliding Mode Attitude-Position Control of Unmanned Aerial Vehicles. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 651-661.	0.5	3
23	CopaDrive: An Integrated ROS Cooperative Driving Test and Validation Framework. <i>Studies in Computational Intelligence</i> , 2021, , 121-174.	0.7	6
24	DeepSpatial: Intelligent Spatial Sensor to Perception of Things. <i>IEEE Sensors Journal</i> , 2021, 21, 3966-3976.	2.4	4
25	PetroBlock: A Blockchain-Based Payment Mechanism for Fueling Smart Vehicles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3055.	1.3	32
26	Vehicle Detection from Aerial Images Using Deep Learning: A Comparative Study. <i>Electronics (Switzerland)</i> , 2021, 10, 820.	1.8	40
27	COVID-19 Diagnosis in Chest X-rays Using Deep Learning and Majority Voting. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2884.	1.3	30
28	A Connectivity-Based Clustering Scheme for Intelligent Vehicles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2413.	1.3	15
29	Drone Deep Reinforcement Learning: A Review. <i>Electronics (Switzerland)</i> , 2021, 10, 999.	1.8	120
30	UTM-Chain: Blockchain-Based Secure Unmanned Traffic Management for Internet of Drones. <i>Sensors</i> , 2021, 21, 3049.	2.1	45
31	Decoupled Lateral-Longitudinal Dynamic Modeling and Control of Unmanned Aerial Vehicles. , 2021, , .		5
32	An Efficient Approach Based on Privacy-Preserving Deep Learning for Satellite Image Classification. <i>Remote Sensing</i> , 2021, 13, 2221.	1.8	53
33	Disturbance-Rejection-Based Optimized Robust Adaptive Controllers for UAVs. <i>IEEE Systems Journal</i> , 2021, 15, 3097-3108.	2.9	32
34	Deep-Learning-Based Automated Palm Tree Counting and Geolocation in Large Farms from Aerial Geotagged Images. <i>Agronomy</i> , 2021, 11, 1458.	1.3	32
35	Deep learning based detection of COVID-19 from chest X-ray images. <i>Multimedia Tools and Applications</i> , 2021, 80, 31803-31820.	2.6	38
36	Wild Animal Information Collection Based on Depthwise Separable Convolution in Software Defined IoT Networks. <i>Electronics (Switzerland)</i> , 2021, 10, 2091.	1.8	3

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37	Citation Intent Classification Using Word Embedding. IEEE Access, 2021, 9, 9982-9995.	2.6	32
38	An Enhanced Randomly Initialized Convolutional Neural Network for Columnar Cactus Recognition in Unmanned Aerial Vehicle imagery. Procedia Computer Science, 2021, 192, 573-581.	1.2	3
39	Multi-objective Computation Offloading for Cloud Robotics using NSGA-II. , 2021, , .		1
40	Street-centric routing scheme using ant colony optimization-based clustering for bus-based vehicular ad-hoc network. Computers and Electrical Engineering, 2020, 86, 106736.	3.0	15
41	Smart Palm: An IoT Framework for Red Palm Weevil Early Detection. Agronomy, 2020, 10, 987.	1.3	39
42	Smart Route: Internet-of-Vehicles (IoV)-Based Congestion Detection and Avoidance (IoV-Based CDA) Using Rerouting Planning. Applied Sciences (Switzerland), 2020, 10, 4541.	1.3	21
43	SmartFlow: An Adaptive Congestion Avoidance Protocol for Smart Transportation Systems. , 2020, , .		4
44	Adaptive fuzzy model-free control for 3D trajectory tracking of quadrotor. International Journal of Mechatronics and Automation, 2020, 7, 134.	0.1	4
45	DeepBrain: Experimental Evaluation of Cloud-Based Computation Offloading and Edge Computing in the Internet-of-Drones for Deep Learning Applications. Sensors, 2020, 20, 5240.	2.1	37
46	Intelligent Fog-Enabled Smart Healthcare System for Wearable Physiological Parameter Detection. Electronics (Switzerland), 2020, 9, 2015.	1.8	10
47	AI-based Pilgrim Detection using Convolutional Neural Networks. , 2020, , .		3
48	A smart energy-efficient source location privacy preservation model for Internet of Things-based vehicular ad hoc networks. Transactions on Emerging Telecommunications Technologies, 2020, , .	2.6	10
49	HTTU-Net: Hybrid Two Track U-Net for Automatic Brain Tumor Segmentation. IEEE Access, 2020, 8, 101406-101415.	2.6	76
50	Adaptive Fuzzy Type-2 Fractional Order Proportional Integral Derivative Sliding Mode Controller for Trajectory Tracking of Robotic Manipulators. , 2020, , .		14
51	Automated sheep facial expression classification using deep transfer learning. Computers and Electronics in Agriculture, 2020, 175, 105528.	3.7	43
52	Dynamic Multi-Objective Auction-Based (DYMO-Auction) Task Allocation. Applied Sciences (Switzerland), 2020, 10, 3264.	1.3	13
53	Improved Dominance Soft Set Based Decision Rules with Pruning for Leukemia Image Classification. Electronics (Switzerland), 2020, 9, 794.	1.8	12
54	Activity Monitoring of Islamic Prayer (Salat) Postures using Deep Learning. , 2020, , .		15

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55	Rough Set Based Ant-Lion Optimizer for Feature Selection. , 2020, , .		7
56	Mobile fog computing security: A user-oriented smart attack defense strategy based on DQL. Computer Communications, 2020, 160, 790-798.	3.1	17
57	Data-Efficient Domain Adaptation for Semantic Segmentation of Aerial Imagery Using Generative Adversarial Networks. Applied Sciences (Switzerland), 2020, 10, 1092.	1.3	31
58	A Cloud Based Disaster Management System. Journal of Sensor and Actuator Networks, 2020, 9, 6.	2.3	26
59	A Quadral-Fuzzy Control Approach to Flight Formation by a Fleet of Unmanned Aerial Vehicles. IEEE Access, 2020, 8, 64366-64381.	2.6	10
60	On Performance of Commodity Single Board Computer-Based Clusters: A Big Data Perspective. EAI/Springer Innovations in Communication and Computing, 2020, , 349-375.	0.9	5
61	Adaptive Terminal-Integral Sliding Mode Force Control of Elastic Joint Robot Manipulators in the Presence of Hysteresis. Advances in Intelligent Systems and Computing, 2020, , 266-276.	0.5	5
62	Adaptive Integral Sliding Mode Force Control of Robotic Manipulators with Parametric Uncertainties and Time-Varying Loads. , 2020, , .		4
63	Towards a Cooperative Robotic Platooning Testbed. , 2020, , .		10
64	Adapted Fuzzy Fractional Order proportional-integral controller for DC Motor. , 2020, , .		10
65	Backstepping H-Infinity Control of Unmanned Aerial Vehicles with Time Varying Disturbances. , 2020, , .		14
66	DynaMO. ACM SIGBED Review, 2020, 16, 8-13.	1.8	3
67	Symphony. ACM SIGBED Review, 2020, 16, 26-31.	1.8	9
68	Adaptive fuzzy model-free control for 3D trajectory tracking of quadrotor. International Journal of Mechatronics and Automation, 2020, 7, 134.	0.1	0
69	Service-Oriented Computing in Robotic. , 2020, , 1-12.		1
70	POSTER: Human-Robot Interaction: A Myo Armband Using EMG and IMU Signals. , 2020, , .		0
71	Raspberry Pi Assisted Safety System for Elderly People: An Application of Smart Home. , 2020, , .		10
72	Avoiding Forwarding Loop Across Multiple Domains Without Controller Synchronization in SDN. , 2020, , .		3

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73	DriftNet: Aggressive Driving Behaviour Detection using 3D Convolutional Neural Networks. , 2020, , .		4
74	A Commodity SBC-Edge Cluster for Smart Cities. , 2019, , .		6
75	MAVSec: Securing the MAVLink Protocol for Ardupilot/PX4 Unmanned Aerial Systems. , 2019, , .		43
76	Towards a Distributed Computation Offloading Architecture for Cloud Robotics. , 2019, , .		7
77	DynaMOâ€”Dynamic Multisuperframe Tuning for Adaptive IEEE 802.15.4e DSME Networks. IEEE Access, 2019, 7, 122522-122535.	2.6	9
78	BlockLoc: Secure Localization in the Internet of Things using Blockchain. , 2019, , .		18
79	Towards a Realistic Simulation Framework for Vehicular Platooning Applications. , 2019, , .		6
80	Micro Air Vehicle Link (MAVlink) in a Nutshell: A Survey. IEEE Access, 2019, 7, 87658-87680.	2.6	158
81	Unsupervised Domain Adaptation Using Generative Adversarial Networks for Semantic Segmentation of Aerial Images. Remote Sensing, 2019, 11, 1369.	1.8	150
82	LSAR: Multi-UAV Collaboration for Search and Rescue Missions. IEEE Access, 2019, 7, 55817-55832.	2.6	170
83	On Energy Efficiency and Performance Evaluation of Single Board Computer Based Clusters: A Hadoop Case Study. Electronics (Switzerland), 2019, 8, 182.	1.8	15
84	Qualitative and Quantitative Risk Analysis and Safety Assessment of Unmanned Aerial Vehicles Missions Over the Internet. IEEE Access, 2019, 7, 53392-53410.	2.6	46
85	Car Detection using Unmanned Aerial Vehicles: Comparison between Faster R-CNN and YOLOv3. , 2019, , .		164
86	On Feasibility of Multichannel Reconfigurable Wireless Sensor Networks Under Real-Time and Energy Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-16.	5.9	10
87	COPADRIVE - A Realistic Simulation Framework for Cooperative Autonomous Driving Applications. , 2019, , .		15
88	Dronemap Planner: A service-oriented cloud-based management system for the Internet-of-Drones. Ad Hoc Networks, 2019, 86, 46-62.	3.4	74
89	QCOF: New RPL Extension for QoS and Congestion-Aware in Low Power and Lossy Network. , 2019, , .		5
90	DroneTrack: Cloud-Based Real-Time Object Tracking Using Unmanned Aerial Vehicles Over the Internet. IEEE Access, 2018, 6, 13810-13824.	2.6	104

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91	Robot Path Planning and Cooperation. Studies in Computational Intelligence, 2018, , .	0.7	26
92	IEEE 802.15.4e in a Nutshell: Survey and Performance Evaluation. IEEE Communications Surveys and Tutorials, 2018, 20, 1989-2010.	24.8	77
93	Multi-Agent Adaptive Architecture for Flexible Distributed Real-Time Systems. IEEE Access, 2018, 6, 23152-23171.	2.6	16
94	APEnergy: Application Profile-Based Energy-Efficient Framework for SaaS Clouds. , 2018, , .		0
95	Poster Abstract: An Efficient Approach to Multisuperframe Tuning for DSME Networks. , 2018, , .		3
96	An analytical hierarchy process-based approach to solve the multi-objective multiple traveling salesman problem. Intelligent Service Robotics, 2018, 11, 355-369.	1.6	9
97	On the robot path planning using cloud computing for large grid maps. , 2018, , .		4
98	Introduction to Mobile Robot Path Planning. Studies in Computational Intelligence, 2018, , 3-12.	0.7	18
99	A Lightweight and Secure Framework for Hybrid Cloud Based EHR Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 197-206.	0.2	2
100	Performance Analysis of the MRTA Approaches for Autonomous Mobile Robot. Studies in Computational Intelligence, 2018, , 169-188.	0.7	0
101	General Background on Multi-robot Task Allocation. Studies in Computational Intelligence, 2018, , 129-144.	0.7	1
102	Power Efficiency of a SBC Based Hadoop Cluster. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 52-60.	0.2	0
103	Different Approaches to Solve the MRTA Problem. Studies in Computational Intelligence, 2018, , 145-168.	0.7	0
104	Design and performance analysis of global path planning techniques for autonomous mobile robots in grid environments. International Journal of Advanced Robotic Systems, 2017, 14, 172988141666366.	1.3	41
105	RoadSense: Smartphone Application to Estimate Road Conditions Using Accelerometer and Gyroscope. IEEE Sensors Journal, 2017, 17, 4231-4238.	2.4	110
106	Dual mode for vehicular platoon safety: Simulation and formal verification. Information Sciences, 2017, 402, 216-232.	4.0	44
107	Worst-case bound analysis for the time-critical MAC behaviors of IEEE 802.15.4e. , 2017, , .		13
108	A service-oriented Cloud-based management system for the Internet-of-Drones. , 2017, , .		55

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109	FL-MTSP: a fuzzy logic approach to solve the multi-objective multiple traveling salesman problem for multi-robot systems. <i>Soft Computing</i> , 2017, 21, 7351-7362.	2.1	46
110	Move and Improve: a Market-Based Mechanism for the Multiple Depot Multiple Travelling Salesmen Problem. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2017, 85, 307-330.	2.0	14
111	Performance evaluation of vehicular platoons using Webots. <i>IET Intelligent Transport Systems</i> , 2017, 11, 441-449.	1.7	23
112	ROSLink: Bridging ROS with the Internet-of-Things for Cloud Robotics. <i>Studies in Computational Intelligence</i> , 2017, , 265-283.	0.7	27
113	A Clustering Market-Based Approach for Multi-robot Emergency Response Applications. , 2016, , .		9
114	Analytical Hierarchy Process based Multi-objective Multiple Traveling Salesman Problem. , 2016, , .		5
115	Turtlebot at Office: A Service-Oriented Software Architecture for Personal Assistant Robots Using ROS. , 2016, , .		26
116	Performance of a Low Cost Hadoop Cluster for Image Analysis in Cloud Robotics Environment. <i>Procedia Computer Science</i> , 2016, 82, 90-98.	1.2	13
117	Cyber-physical systems clouds: A survey. <i>Computer Networks</i> , 2016, 108, 260-278.	3.2	89
118	Poster Abstract: Towards Worst-Case Bounds Analysis of the IEEE 802.15.4e. , 2016, , .		2
119	Z-Monitor: A protocol analyzer for IEEE 802.15.4-based low-power wireless networks. <i>Computer Networks</i> , 2016, 95, 77-96.	3.2	14
120	Relaxed Dijkstra and A* with linear complexity for robot path planning problems in large-scale grid environments. <i>Soft Computing</i> , 2016, 20, 4149-4171.	2.1	101
121	ROS Web Services: A Tutorial. <i>Studies in Computational Intelligence</i> , 2016, , 463-490.	0.7	4
122	GLOBAL ROBOT PATH PLANNING USING GA FOR LARGE GRID MAPS: MODELLING, PERFORMANCE AND EXPERIMENTATION. <i>International Journal of Robotics and Automation</i> , 2016, 31, .	0.1	3
123	Writing Global Path Planners Plugins in ROS: A Tutorial. <i>Studies in Computational Intelligence</i> , 2016, , 73-97.	0.7	4
124	Quality-of-service aware routing for static and mobile IPv6-based low-power and lossy sensor networks using RPL. <i>Ad Hoc Networks</i> , 2015, 33, 233-256.	3.4	105
125	Reliable link quality estimation in low-power wireless networks and its impact on tree-routing. <i>Ad Hoc Networks</i> , 2015, 27, 1-25.	3.4	57
126	COROS: A Multi-Agent Software Architecture for Cooperative and Autonomous Service Robots. <i>Studies in Computational Intelligence</i> , 2015, , 3-30.	0.7	14



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127	Five Traits of Performance Enhancement Using Cloud Robotics: A Survey. <i>Procedia Computer Science</i> , 2014, 37, 220-227.	1.2	18
128	Reliable and Fast Hand-Offs in Low-Power Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , 2014, 13, 2620-2633.	3.9	33
129	EasyLoc: Plug-and-Play RSS-Based Localization in Wireless Sensor Networks. <i>Studies in Computational Intelligence</i> , 2014, , 77-98.	0.7	4
130	Co-RPL: RPL routing for mobile low power wireless sensor networks using Corona mechanism. , 2014, , .		79
131	Move and improve: A distributed multi-robot coordination approach for multiple depots multiple travelling salesmen problem. , 2014, , .		14
132	OF-FL: QoS-aware fuzzy logic objective function for the RPL routing protocol. , 2014, , .		82
133	On the Adequacy of Tabu Search for Global Robot Path Planning Problem in Grid Environments. <i>Procedia Computer Science</i> , 2014, 32, 604-613.	1.2	22
134	A Distributed Market-based Algorithm for the Multi-robot Assignment Problem. <i>Procedia Computer Science</i> , 2014, 32, 1108-1114.	1.2	34
135	SmartPATH: An Efficient Hybrid ACO-GA Algorithm for Solving the Global Path Planning Problem of Mobile Robots. <i>International Journal of Advanced Robotic Systems</i> , 2014, 11, 94.	1.3	36
136	Amendments to the ZigBee Protocol. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2013, , 113-134.	0.3	0
137	On the Use of Link Quality Estimation for Improving Higher Layer Protocols and Mechanisms. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2013, , 117-145.	0.3	0
138	Taxonomy of Fundamental Concepts of Localization in Cyber-Physical and Sensor Networks. <i>Wireless Personal Communications</i> , 2013, 72, 461-507.	1.8	12
139	Global path planning for mobile robots in large-scale grid environments using genetic algorithms. , 2013, , .		40
140	External Radio Interference. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2013, , 21-63.	0.3	13
141	Amendments to the IEEE 802.15.4 Protocol. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2013, , 85-112.	0.3	1
142	Environmental Monitoring. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2013, , 143-158.	0.3	0
143	Indoor Surveillance Application using Wireless Robots and Sensor Networks. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2013, , 19-57.	0.4	1
144	Performance Analysis and Network Dimensioning. <i>Springer Briefs in Electrical and Computer Engineering</i> , 2013, , 65-82.	0.3	0

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145	Characteristics of Low-Power Links. Springer Briefs in Electrical and Computer Engineering, 2013, , 1-20.	0.3	0
146	Overview of Link Quality Estimation. Springer Briefs in Electrical and Computer Engineering, 2013, , 65-86.	0.3	1
147	Smart-HOP: A Reliable Handoff Mechanism for Mobile Wireless Sensor Networks. Lecture Notes in Computer Science, 2012, , 131-146.	1.0	25
148	Coordination in a multi-robot surveillance application using Wireless Sensor Networks. , 2012, , .		9
149	An empirical analysis of the impact of RSS to distance mapping on localization in WSNs. , 2012, , .		5
150	Radio link quality estimation in wireless sensor networks. ACM Transactions on Sensor Networks, 2012, 8, 1-33.	2.3	506
151	LNT: A logical neighbor tree secure group communication scheme for wireless sensor networks. Ad Hoc Networks, 2012, 10, 1419-1444.	3.4	21
152	RPL in a nutshell: A survey. Computer Networks, 2012, 56, 3163-3178.	3.2	272
153	smartPATH: A hybrid ACO-GA algorithm for robot path planning. , 2012, , .		37
154	EasyLoc: RSS-Based Localization Made Easy. Procedia Computer Science, 2012, 10, 1127-1133.	1.2	26
155	Simulation and performance evaluation of DAG construction with RPL. , 2012, , .		51
156	Pmcmtp's Implementation (in nesC/TinyOS2.x) and Testbed for Its Operation Validation. , 2011, , .		0
157	LNT: a Logical Neighbor Tree for Secure Group Management in Wireless Sensor Networks. Procedia Computer Science, 2011, 5, 198-207.	1.2	6
158	RiSeG: a ring based secure group communication protocol for resource-constrained wireless sensor networks. Personal and Ubiquitous Computing, 2011, 15, 783-797.	1.9	32
159	Challenges and trends in wireless ubiquitous computing systems. Personal and Ubiquitous Computing, 2011, 15, 781-782.	1.9	2
160	RadiaLE: A framework for designing and assessing link quality estimators in wireless sensor networks. Ad Hoc Networks, 2011, 9, 1165-1185.	3.4	44
161	Z-Monitor: Monitoring and analyzing IEEE 802.15.4-based Wireless Sensor Networks. , 2011, , .		9
162	Joint Duty Cycle Scheduling, Resource Allocation and Multi-constrained QoS Routing Algorithm. Lecture Notes in Computer Science, 2011, , 29-43.	1.0	3

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163	RiSeG: A logical ring based secure group communication protocol for Wireless Sensor Networks. , 2010, , .		9
164	Dimensioning and worst-case analysis of cluster-tree sensor networks. ACM Transactions on Sensor Networks, 2010, 7, 1-47.	2.3	34
165	A Traffic Differentiation Add-On to the IEEE 802.15.4 Protocol: Implementation and Experimental Validation over a Real-Time Operating system. , 2010, , .		16
166	Energy Evaluation of PMCMTP for Large-Scale Wireless Sensor Networks. , 2010, , .		3
167	A lightweight user authentication scheme for Wireless Sensor Networks. , 2010, , .		29
168	F-LQE: A Fuzzy Link Quality Estimator for Wireless Sensor Networks. Lecture Notes in Computer Science, 2010, , 240-255.	1.0	94
169	Z-Cast: A Multicast Routing Mechanism in ZigBee Cluster-Tree Wireless Sensor Networks. , 2010, , .		14
170	A testbed for the evaluation of link quality estimators in wireless sensor networks. , 2010, , .		13
171	Improving Quality-of-Service in Wireless Sensor Networks by Mitigating "Hidden-Node Collisions" IEEE Transactions on Industrial Informatics, 2009, 5, 299-313.	7.2	80
172	A comparative simulation study of link quality estimators in wireless sensor networks. , 2009, , .		54
173	Control and data channels allocation for Large-Scale UWB-based WSNs. , 2009, , .		3
174	A prioritized multi-channel multi-time slot MAC protocol for large-scale wireless sensor networks. , 2009, , .		3
175	SeGCom: A secure group communication mechanism in cluster-tree wireless sensor networks. , 2009, , .		17
176	Attacks and improvement of "security enhancement for a dynamic id-based remote user authentication scheme" , 2009, , .		0
177	H-NAME: A Hidden-Node Avoidance Mechanism for Wireless Sensor Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 10-19.	0.4	4
178	An implicit GTS allocation mechanism in IEEE 802.15.4 for time-sensitive wireless sensor networks: theory and practice. Real-Time Systems, 2008, 39, 169-204.	1.1	69
179	TDBS: a time division beacon scheduling mechanism for ZigBee cluster-tree wireless sensor networks. Real-Time Systems, 2008, 40, 321-354.	1.1	96
180	Real-Time Communications Over Cluster-Tree Sensor Networks with Mobile Sink Behaviour. , 2008, , .		17

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181	Open-ZB: an open-source implementation of the IEEE 802.15.4/ZigBee protocol stack on TinyOS. , 2007, , .		44
182	On a IEEE 802.15.4/ZigBee to IEEE 802.11 gateway for the ART-WiSe architecture. , 2007, , .		12
183	A Time Division Beacon Scheduling Mechanism for IEEE 802.15.4/Zigbee Cluster-Tree Wireless Sensor Networks. Real-Time Systems (ECRTS), Proceedings of the Euromicro Workshop on, 2007, , .	0.0	141
184	A Simulation Model for the IEEE 802.15.4 protocol: Delay/Throughput Evaluation of the GTS Mechanism. , 2007, , .		56
185	Energy and delay trade-off of the GTS allocation mechanism in IEEE 802.15.4 for wireless sensor networks. International Journal of Communication Systems, 2007, 20, 791-808.	1.6	18
186	Time Sensitive IEEE 802.15.4 Protocol. , 2007, , 19-49.		11
187	Modeling and Worst-Case Dimensioning of Cluster-Tree Wireless Sensor Networks. , 2006, , .		114
188	GTS allocation analysis in IEEE 802.15.4 for real-time wireless sensor networks. , 2006, , .		85
189	Graceful degradation of loss-tolerant QoS using (m,k)-firm constraints in guaranteed rate networks. Computer Communications, 2005, 28, 1393-1409.	3.1	9
190	Evaluation and improvement of response time bounds for real-time applications under non-pre-emptive Fixed Priority Scheduling. International Journal of Production Research, 2004, 42, 2899-2913.	4.9	31
191	Switched Ethernet for real-time industrial communication: modelling and message buffering delay evaluation. , 0, , .		31
192	i-GAME: An Implicit GTS Allocation Mechanism in IEEE 802.15.4 for Time-Sensitive Wireless Sensor Networks. , 0, , .		81
193	Indoor Surveillance Application using Wireless Robots and Sensor Networks. , 0, , 838-875.		0