

K Djouani

List of Publications by Year in descending order

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212
papers

2,338
citations

304743

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315739

38
g-index

222
all docs

222
docs citations

222
times ranked

2287
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of Resource Management Toward 5G Radio Access Networks. IEEE Communications Surveys and Tutorials, 2016, 18, 1656-1686.	39.4	202
2	IoT in the Wake of COVID-19: A Survey on Contributions, Challenges and Evolution. IEEE Access, 2020, 8, 186821-186839.	4.2	126
3	Adaptive integral terminal sliding mode control for upper-limb rehabilitation exoskeleton. Control Engineering Practice, 2018, 75, 108-117.	5.5	95
4	RSSI based indoor and outdoor distance estimation for localization in WSN. , 2013, , .		83
5	Online SSVEP-based BCI using Riemannian geometry. Neurocomputing, 2016, 191, 55-68.	5.9	77
6	A Review of Active Hand Exoskeletons for Rehabilitation and Assistance. Robotics, 2021, 10, 40.	3.5	77
7	Non-singular terminal sliding mode controller: Application to an actuated exoskeleton. Mechatronics, 2016, 33, 136-145.	3.3	64
8	Modular-Controller-Design-Based Fast Terminal Sliding Mode for Articulated Exoskeleton Systems. IEEE Transactions on Control Systems Technology, 2017, 25, 1133-1140.	5.2	60
9	Integrating Artificial Intelligence Internet of Things and 5G for Next-Generation Smartgrid: A Survey of Trends Challenges and Prospect. IEEE Access, 2022, 10, 4794-4831.	4.2	60
10	The Narrowband Internet of Things (NB-IoT) Resources Management Performance State of Art, Challenges, and Opportunities. IEEE Access, 2020, 8, 97658-97675.	4.2	59
11	Application of fuzzy inference systems to detection of faults in wireless sensor networks. Neurocomputing, 2012, 94, 111-120.	5.9	54
12	Real-time Dynamic Hydraulic Model for Potable Water Loss Reduction. Procedia Engineering, 2016, 154, 99-106.	1.2	52
13	Toward Lower Limbs Functional Rehabilitation Through a Knee-Joint Exoskeleton. IEEE Transactions on Control Systems Technology, 2017, 25, 712-719.	5.2	52
14	Intelligent Adaptive Mobile Robot Navigation. Journal of Intelligent and Robotic Systems: Theory and Applications, 2001, 30, 311-329.	3.4	43
15	Interference and bandwidth adjusted ETX in wireless multi-hop networks. , 2010, , .		40
16	Performance study of ETX based wireless routing metrics. , 2009, , .		38
17	A comparative Survey Study on LPWA IoT Technologies: Design, considerations, challenges and solutions. Procedia Computer Science, 2019, 155, 636-641.	2.0	37
18	A radial basis function neural network adaptive controller to drive a powered lower limb knee joint orthosis. Applied Soft Computing Journal, 2015, 34, 324-336.	7.2	34

#	ARTICLE	IF	CITATIONS
19	Visible Light Communications for Internet of Things: Prospects and Approaches, Challenges, Solutions and Future Directions. <i>Technologies</i> , 2022, 10, 28.	5.1	33
20	Minimum time-energy trajectory planning for automatic ship berthing. <i>IEEE Journal of Oceanic Engineering</i> , 1995, 20, 4-12.	3.8	31
21	Identifying Design Requirements for Wireless Routing Link Metrics. , 2011, , .		29
22	The effect of maintenance on the survival of medical equipment. <i>Journal of Engineering, Design and Technology</i> , 2013, 11, 142-157.	1.7	26
23	Network coding and competitive approach for gradient based routing in wireless sensor networks. <i>Ad Hoc Networks</i> , 2012, 10, 990-1008.	5.5	25
24	Coagulation process control in water treatment plants using multiple model predictive control. <i>AEJ - Alexandria Engineering Journal</i> , 2014, 53, 939-948.	6.4	25
25	Vehicle Position Monitoring Using Hough Transform. <i>IERI Procedia</i> , 2013, 4, 316-322.	0.3	23
26	Toward developing a distributed autonomous energy management system (DAEMS). , 2015, , .		23
27	Designing reconfigurable manufacturing systems using reconfigurable object Petri nets. <i>International Journal of Computer Integrated Manufacturing</i> , 2016, 29, 889-906.	4.6	23
28	A Lasso quantile periodogram based feature extraction for EEG-based motor imagery. <i>Journal of Neuroscience Methods</i> , 2019, 328, 108434.	2.5	23
29	Motion Based Animal Detection in Aerial Videos. <i>Procedia Computer Science</i> , 2016, 92, 13-17.	2.0	20
30	SSVEP enhancement based on Canonical Correlation Analysis to improve BCI performances. , 2013, , .		19
31	Media Access Control in Large-Scale Internet of Things: A Review. <i>IEEE Access</i> , 2020, 8, 55834-55859.	4.2	17
32	Hidden Markov Model for Shortest Paths Testing to Detect a Wormhole Attack in a Localized Wireless Sensor Network. <i>Procedia Computer Science</i> , 2012, 10, 1010-1017.	2.0	15
33	Adaptive observer based on MLPNN and sliding mode for wearable robots: Application to an active joint orthosis. <i>Neurocomputing</i> , 2016, 197, 69-77.	5.9	15
34	A Distributed Agent-Based Approach for Optimal QoS Selection in Web of Object Choreography. <i>IEEE Systems Journal</i> , 2018, 12, 1655-1666.	4.6	15
35	5G NB-IoT: Design, Considerations, Solutions and Challenges. <i>Procedia Computer Science</i> , 2022, 198, 86-93.	2.0	15
36	â€œA Fuzzy Approach for Call Admission Control in LTE Networksâ€•. <i>Procedia Computer Science</i> , 2014, 32, 237-244.	2.0	14

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37	A robust interval Type-2 TSK Fuzzy Logic System design based on Chebyshev fitting. International Journal of Control, Automation and Systems, 2012, 10, 727-736.	2.7	13
38	Compensating the effect of Doppler shift in a vehicular network. , 2013, , .		13
39	Finite-Time Control of an Actuated Orthosis Using Fast Terminal Sliding Mode. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4607-4612.	0.4	13
40	Joint queue-perturbed and weakly coupled power control for wireless backbone networks. International Journal of Applied Mathematics and Computer Science, 2012, 22, 749-764.	1.5	12
41	Indoor Localisation of Wireless Sensor Nodes Towards Internet of Things. Procedia Computer Science, 2017, 109, 92-99.	2.0	12
42	A review of industrial wireless communications, challenges, and solutions: A cognitive radio approach. Transactions on Emerging Telecommunications Technologies, 2020, 31, e4055.	3.9	12
43	ATCEEC: A new energy efficient routing protocol for Wireless Sensor Networks. , 2014, , .		11
44	Deep Reinforcement Learning Based Resource Allocation For Narrowband Cognitive Radio-IoT Systems. Procedia Computer Science, 2020, 175, 315-324.	2.0	11
45	Doppler Effect Analysis and Modulation Code Derivation. Procedia Computer Science, 2012, 10, 1032-1038.	2.0	10
46	Bilateral mesh filtering. Pattern Recognition Letters, 2012, 33, 1101-1107.	4.2	10
47	Maintenance Strategies and Failureâ€Cost Model for Medical Equipment. Quality and Reliability Engineering International, 2015, 31, 935-947.	2.3	10
48	A Survey on Energy Efficient Network Coding for Multi-hop Routing in Wireless Sensor Networks. Procedia Computer Science, 2016, 94, 288-294.	2.0	10
49	Doppler Shift Mitigation in a VANET using an IDDM approach. Journal of Ambient Intelligence and Humanized Computing, 2016, 7, 321-332.	4.9	10
50	A hierarchical formal method for performance evaluation of WSNs protocol. Computing (Vienna/New) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.8	10
51	Simultaneous lightwave information and power transfer in optical wireless communication networks: An overview and outlook. Optik, 2022, 266, 169590.	2.9	10
52	Evidence-based mathematical maintenance model for medical equipment. , 2010, , .		9
53	Evaluating impact of mobility on wireless routing protocols. , 2011, , .		9
54	Doppler Shift Compensation Schemes in VANETs. Mobile Information Systems, 2015, 2015, 1-11.	0.6	9

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55	Gradient-based Routing for Energy Consumption Balance in Multiple Sinks-based Wireless Sensor Networks. <i>Procedia Computer Science</i> , 2015, 63, 488-493.	2.0	9
56	A Modelling Approach for the Narrowband IoT (NB-IoT) Physical (PHY) Layer Performance. , 2018, , .		9
57	Implementation of an indoor localisation algorithm for Internet of Things. <i>Future Generation Computer Systems</i> , 2020, 107, 1037-1046.	7.5	9
58	Modeling and Analysis of Reconfigurable Systems Using Flexible Petri Nets. , 2010, , .		8
59	High resolution Hough transform based on butterfly self-similarity. <i>Electronics Letters</i> , 2011, 47, 1360-1361.	1.0	8
60	Performance evaluation of IEEE 802.11p MAC protocol in VANETs safety applications. , 2013, , .		8
61	An efficient crop row detection method for agriculture robots. , 2014, , .		8
62	Control of a coagulation chemical dosing unit for water treatment plants using MMPC based on fuzzy weighting. <i>Journal of Water Process Engineering</i> , 2014, 4, 34-46.	5.6	8
63	Nonlinear Model Predictive Control of a coagulation chemical dosing unit for water treatment plants. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 370-376.	0.4	8
64	Performance evaluation of the ADSA in a vehicular network: MAC approach in IEEE 802.11p. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2015, 6, 351-360.	4.9	8
65	Correlator-based multipath detection technique for a global positioning system/GNSS receiver. <i>IET Radar, Sonar and Navigation</i> , 2018, 12, 783-793.	1.8	8
66	An Energy-Efficient and Adaptive Channel Coding Approach for Narrowband Internet of Things (NB-IoT) Systems. <i>Sensors</i> , 2020, 20, 3465.	3.8	8
67	Interaction Control for Human-Exoskeletons. <i>Journal of Control Science and Engineering</i> , 2020, 2020, 1-15.	1.0	8
68	From Euclidean to Riemannian Means: Information Geometry for SSVEP Classification. <i>Lecture Notes in Computer Science</i> , 2015, , 595-604.	1.3	8
69	Space Time Coding in Amplify-and-Forward Cooperative Channel. , 2007, , .		7
70	Interference-aware power control for Multi-Radio Multi-Channel wireless mesh networks. , 2009, , .		7
71	On an interval type-2 TSK FLS A1-C1 consequent parameters tuning. , 2011, , .		7
72	An MCS Adaptation Technique for Doppler Effect in IEEE 802.11p Vehicular Networks. <i>Procedia Computer Science</i> , 2013, 19, 570-577.	2.0	7

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73	A stochastic energy consumption model for wireless sensor networks using GBR techniques. , 2015, , .		7
74	Rhythmic Trajectory Design and Control for Rehabilitative Walking in Patients with Lower Limb Disorder. International Journal of Humanoid Robotics, 2016, 13, 1650006.	1.1	7
75	A Security Proposal for IoT integrated with SDN and Cloud. , 2018, , .		7
76	Autonomous Transmission Power Adaptation for Multi-Radio Multi-Channel Wireless Mesh Networks. Lecture Notes in Computer Science, 2009, , 284-297.	1.3	7
77	Optimal force distribution for the legs of an hexapod robot. , 0, , .		6
78	Link Adaptation for Cooperative Wireless LANs. , 2008, , .		6
79	On using multiple quality link metrics with Destination Sequenced Distance Vector protocol for Wireless Multi-hop Networks. , 2012, , .		6
80	Using High Level Petri Nets in the Modelling, Simulation and Verification of Reconfigurable Manufacturing Systems. International Journal of Software Engineering and Knowledge Engineering, 2014, 24, 419-443.	0.8	6
81	Performance and Comparative Analysis of ADSA in a Vehicular Network: MAC Approach in IEEE 802.11p. Procedia Computer Science, 2014, 32, 537-544.	2.0	6
82	Computation of the Mutual Inductance between Air-Cored Coils of Wireless Power Transformer. Journal of Physics: Conference Series, 2015, 633, 012011.	0.4	6
83	Modelling and design of an augmented reality differential drive mobility aid in an enabled environment. Simulation Modelling Practice and Theory, 2015, 51, 115-134.	3.8	6
84	Distributed Approach for QoS Service Selection in Web of Objects. Procedia Computer Science, 2016, 83, 1170-1175.	2.0	6
85	Cooperative and Adaptive Network Coding for Gradient Based Routing in Wireless Sensor Networks with Multiple Sinks. Journal of Computer Networks and Communications, 2017, 2017, 1-10.	1.6	6
86	Bounded Control of an Actuated Lower-Limb Exoskeleton. Journal of Robotics, 2017, 2017, 1-20.	0.9	6
87	A Sample-Free Bayesian-Like Model for Indoor Environment Recognition. IEEE Access, 2019, 7, 79783-79790.	4.2	6
88	Three scheduling-levels algorithm for IEEE 802.11 QoS efficiency improvement. , 2008, , .		5
89	Dynamic control of an electrical wheelchair on an incline. , 2009, , .		5
90	Evaluating wireless proactive routing protocols under scalability and traffic constraints. , 2012, , .		5

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91	Dynamic modelling and system identification of coagulant dosage system for water treatment plants. , 2013, , .		5
92	Trends and Challenges in Formal Specification and Verification of Services Composition in Ambient Assisted Living Applications. Procedia Computer Science, 2013, 19, 540-547.	2.0	5
93	Adaptive controller based on uncertainty parametric estimation using backstepping and sliding mode techniques: Application to an active orthosis. , 2014, , .		5
94	Low Complexity Decoding of the 4 ^A —4 Perfect Space-time Block Code. Procedia Computer Science, 2014, 32, 223-228.	2.0	5
95	Adaptive and conjoint scalar-vector tracking loops for GNSS tracking robustness and positioning integrity. , 2017, , .		5
96	Opportunistic Resource Allocation for Narrowband Internet of Things: A Literature Review. , 2020, , .		5
97	Robust adaptive neuronal controller for exoskeletons with sliding-mode. Neurocomputing, 2020, 399, 317-330.	5.9	5
98	Adaptive Virtual Impedance Control of a Mobile Multi-Robot System. Robotics, 2021, 10, 19.	3.5	5
99	A Visual Hand Motion Detection Algorithm for Wheelchair Motion. Advances in Intelligent and Soft Computing, 2012, , 433-452.	0.2	5
100	Optimal constrained multi-criteria trajectory planning for ship maneuvering and control. , 0, , .		4
101	Neuro-fuzzy based approach for hybrid force/position robot control. , 0, , .		4
102	Eco-mac. , 2007, , .		4
103	A new design of Fuzzy Logic Controller based on generalized orthogonality principle. , 2009, , .		4
104	Dynamic control of powered wheelchair with slip on an incline. , 2009, , .		4
105	A Type-2 Fuzzy Logic Decision System for Call Admission Control in Next Generation Mobile Networks. , 2010, , .		4
106	Optimal Control of Transmission Power Management in Wireless Backbone Mesh Networks. , 0, , .		4
107	SPIN-Based Verification of Authentication Protocols in WiMAX Networks. , 2012, , .		4
108	Performance Study of an Improved Routing Algorithm in Wireless Sensor Networks. Procedia Computer Science, 2013, 19, 1094-1100.	2.0	4

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109	Attitude control of a CubeSat in a circular orbit using magnetic actuators. , 2013, , .		4
110	A Driving Behaviour Model of Electrical Wheelchair Users. Computational Intelligence and Neuroscience, 2016, 2016, 1-20.	1.7	4
111	Modeling a powered wheelchair with slipping and gravitational disturbances on inclined and non-inclined surfaces. Simulation, 2016, 92, 337-355.	1.8	4
112	Towards a Scalable and Optimised Context Broker for Seamless Interoperability within IoT Systems. Procedia Computer Science, 2016, 94, 91-96.	2.0	4
113	Semantic Based Authorization Framework For Multi-Domain Collaborative Cloud Environments. Procedia Computer Science, 2017, 109, 718-724.	2.0	4
114	Investigating the Relevance of Graph Cut Parameter on Interactive and Automatic Cell Segmentation. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-10.	1.3	4
115	Modelling and Analysis of Mobile Computing Systems: An Extended Petri Nets Formalism. International Journal of Computers, Communications and Control, 2015, 10, 211.	1.8	4
116	Review on Haptic Assistive Driving Systems Based on Driversâ€™ Steering-Wheel Operating Behaviour. Electronics (Switzerland), 2022, 11, 2102.	3.1	4
117	Coupled interference based rate adaptation in ad hoc networks. , 2011, , .		3
118	Using a Greedy Algorithm for Link Adaptation in MIMO Wireless Networks. , 2011, , .		3
119	Cross-Organizational Cooperation Framework for Security Management in Ubiquitous Computing Environment. , 2011, , .		3
120	Fully connected particle swarm optimizer. Engineering Optimization, 2011, 43, 801-812.	2.6	3
121	Semantic Service Composition Framework for Multidomain Ubiquitous Computing Applications. Lecture Notes in Computer Science, 2012, , 450-467.	1.3	3
122	An efficient approach to node localisation and tracking in wireless sensor networks. , 2014, , .		3
123	MLPNN adaptive controller based on a reference model to drive an actuated lower limb orthosis. , 2014, , .		3
124	Approach to Sensor Node Calibration for Efficient Localisation in Wireless Sensor Networks in Realistic Scenarios. Procedia Computer Science, 2014, 32, 166-173.	2.0	3
125	Hypothesis testing-based adaptive PSO. Journal of Engineering, Design and Technology, 2014, 12, 89-101.	1.7	3
126	Modelling of a coagulation chemical dosing unit for water treatment plants using fuzzy inference system. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3985-3991.	0.4	3

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127	Failure-cost mathematical model for medical equipment maintenance. , 2017, , .		3
128	Enhanced RLS in Smart Antennas for Long Range Communication Networks. Procedia Computer Science, 2018, 130, 196-205.	2.0	3
129	Analysis of Knee-Ankle Orthosis Modelling: An Inverse Dynamics Approach Using Adaptive Coupled Oscillator. Lecture Notes in Computer Science, 2014, , 122-133.	1.3	3
130	IEEE 802.11e-EDCF evaluation through MAC-layer metrics over QoS-aware mobility constraints. , 2009, , .		3
131	Performance Evaluation of RSSI Based Distance Measurement for Localization in Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 74-83.	0.3	3
132	Feedback optimal neural network controller for dynamic systems " A ship maneuvering example. Mathematics and Computers in Simulation, 1996, 41, 117-127.	4.4	2
133	Hybrid neuro-fuzzy control approach of robot manipulators. , 2003, , .		2
134	An Effective Link Adaptation Method in Cooperative Wireless Networks. , 2008, , .		2
135	Verification and Performance Evaluation of S-MAC Protocol Based on Process Calculi. , 2010, , .		2
136	Power wheelchair driver behaviour modelling. , 2010, , .		2
137	Enhanced sensor localization through compensation of battery level decay. , 2010, , .		2
138	Overcoming Localization Errors due to Node Power Drooping in a Wireless Sensor Network. International Journal of Electronics and Telecommunications, 2011, 57, 341-346.	0.5	2
139	Attitude control of a CubeSat in a Circular Orbit using Reaction Wheels. , 2013, , .		2
140	A CCH Cycle Adaptive Algorithm for IEEE 802.11P Mac Protocol in Safety Applications. SAIEE Africa Research Journal, 2013, 104, 146-153.	1.2	2
141	Toward real-time, low-power, highly parallel decoding of the golden code in Mobile WiMAX base stations. , 2014, , .		2
142	Performance comparison of IBETX routing metric over AODV and DSDV routing protocols. , 2014, , .		2
143	The use of antenna radiation pattern in node localisation algorithms for wireless sensor networks. , 2014, , .		2
144	Computational models of an inductive power transfer system for electric vehicle battery charge. Journal of Physics: Conference Series, 2015, 633, 012010.	0.4	2

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145	Model reference adaptive control using a neural compensator to drive an active knee joint orthosis. , 2015, , .		2
146	A Knowledge Oriented Approach for Composing Ambient Intelligence Services. Procedia Computer Science, 2017, 109, 584-591.	2.0	2
147	Analysis of User Control Attainment in SMR-based Brain Computer Interfaces. Irbm, 2018, 39, 324-333.	5.6	2
148	Adaptive Continuous Integral-Sliding-Mode Controller for Wearable Robots: Application to an Upper Limb Exoskeleton. , 2019, 2019, 766-771.		2
149	Neural Adaptive Integral-Sliding-Mode Controller with a SSVEP-based BCI for Exoskeletons. , 2019, , .		2
150	Grid Smoothing: A Graph-Based Approach. Lecture Notes in Computer Science, 2010, , 153-160.	1.3	2
151	A 3-D Sensor for Parallel Robot Calibration. A Parameter Perturbation Analysis. , 1996, , 451-460.		2
152	Modeling and Analysis of Reconfigurable Systems Using Flexible Nets. Communications in Computer and Information Science, 2010, , 343-357.	0.5	2
153	New Factorization Techniques and Fast Serial and Parallel Algorithms for Operational Space Control of Robot Manipulators. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 767-774.	0.4	1
154	Practical Adaptive Navigation and Control of a Mobile Robot Using Neuro-Fuzzy Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 65-70.	0.4	1
155	Extended fuzzy clustering algorithm based on an inclusion concept. , 0, , .		1
156	Dynamic reconfiguration service for component based software architectures. , 0, , .		1
157	Peformance Study of IEEE 802.11 WLAN Integrating QoS Requirements. , 2007, , .		1
158	A Distributed nodesâ€™ localisation approach in Wireless Sensor Networks. , 2009, , .		1
159	A hand-based visual intent recognition algorithm for wheelchair motion. , 2010, , .		1
160	Joint Power and Rate Adaptation in Ad Hoc Networks Based on Coupled Interference. Procedia Computer Science, 2011, 5, 272-279.	2.0	1
161	A subscriber classification approach for mobile cellular networks. Simulation Modelling Practice and Theory, 2012, 25, 17-35.	3.8	1
162	Parallel maximum likelihood decoding of the golden code on low-power SIMD coprocessor. , 2013, , .		1

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163	Cross-Layer Enhancement to Support TCP-Based Traffics in WLANs. Wireless Personal Communications, 2013, 70, 1827-1840.	2.7	1
164	Performance Evaluation of the IBETX Routing Metric Over DSDV Routing Protocol in Wireless Ad hoc Networks. Procedia Computer Science, 2013, 19, 1108-1115.	2.0	1
165	Review of Parallel Decoding of Space-time Block Codes toward 4G Wireless and Mobile Communications. Procedia Computer Science, 2013, 19, 1059-1067.	2.0	1
166	Theory of adaptive oscillators: Mathematical principles and background. , 2013, , .		1
167	Shank-foot trajectory control: A forward dynamics approach using computed-torque control. , 2014, , .		1
168	Modelling and validation of a coagulation chemical dosing unit for water treatment plants. , 2014, , .		1
169	Identification of wheelchair user steering behaviour within indoor environments. , 2015, , .		1
170	Adaptive spectrum decision framework for heterogeneous dynamic spectrum access networks. , 2015, , .		1
171	Doppler Shift Mitigation in a VANET using an IDDM Approach. Procedia Computer Science, 2015, 52, 51-58.	2.0	1
172	Multiple Model Predictive Control Based on Fuzzy Switching Scheme of a Coagulation Chemical Dosing Unit for Water Treatment Plants—This work was supported by Tshwane University of Technology, Pretoria, South Africa.. IFAC-PapersOnLine, 2015, 48, 180-185.	0.9	1
173	Optimized Spectrum Selection through Instantaneous Channels Characteristics Evaluation in Cognitive Radio. Procedia Computer Science, 2016, 94, 341-346.	2.0	1
174	A Context Broker for Better Access to Quality and Cost-effective Healthcare. Procedia Computer Science, 2017, 109, 988-993.	2.0	1
175	A Fuzzy based Diagnostic Agent for Context Aware Patient Monitoring. Procedia Computer Science, 2018, 141, 421-427.	2.0	1
176	Penalised quantile periodogram for spectral estimation. Journal of Statistical Planning and Inference, 2020, 207, 86-98.	0.6	1
177	A Novel Spread Spectrum and Clustering Mixed Approach with Network Coding for Enhanced Narrowband IoT (NB-IoT) Scalability. Sensors, 2020, 20, 5219.	3.8	1
178	Using priority queuing for congestion control in IoT-based technologies for IoT applications. International Journal of Communication Systems, 2021, 34, e4709.	2.5	1
179	Energy Efficient Channel Coding Technique for Narrowband Internet of Things. Advances in Intelligent Systems and Computing, 2020, , 445-466.	0.6	1
180	Kinematic and Inverse Dynamic Analysis of a C5 Joint Parallel Robot. , 0, , .		1

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181	GLOBAL SOLUTION FOR THE SUPPORT OF QoS BY IEEE 802.11 WIRELESS LOCAL NETWORKS. , 2005, , .		1
182	Neural Adaptive Approach-Application to Robot Force Control in an Unknown Environment. Journal of Robotics and Mechatronics, 2006, 18, 529-538.	1.0	1
183	Optimisation-Based Image Grid Smoothing for SST Images. Lecture Notes in Computer Science, 2010, , 227-238.	1.3	1
184	Fuzzy modeling of MIMO non linear system: complexity reduction. , 0, , .		0
185	Transparency improvement of standard fuzzy systems in case of application for control nonlinear system. , 0, , .		0
186	On QoS Support Evaluation in IEEE 802.11 Wireless LAN's. , 0, , .		0
187	Performance Evaluation of the IEEE 802.11 WLAN Supporting Quality of Service. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 97-103.	0.4	0
188	Efficient classification based on multi-scale traffic data extraction patterns of cellular networks. , 2010, , .		0
189	Using empirical mode decomposition for subscriber behaviour analysis in cellular networks in South Africa. , 2010, , .		0
190	Line positioning based on HT error compensation. , 2011, , .		0
191	Enhancement of TCP in 802.11e Wireless Local Area Networks. , 2011, , .		0
192	Formal specification and verification of JXTA's Endpoint Routing Protocol. , 2011, , .		0
193	Good resolutions for Hough Transform. , 2012, , .		0
194	MAC-Layer QoS Evaluation Metrics for IEEE 802.11e-EDCF Protocol over Nodes' Mobility Constraints. , 0, , .		0
195	The 8th International Symposium on Intelligent Systems Techniques for Ad-hoc and Wireless Sensor Network (IST-AWSN 2013) Preface. Procedia Computer Science, 2013, 19, 1046.	2.0	0
196	Toward an FPGA Hardware Implementation of the Alamouti 4x2 Space-time Block Coding. Procedia Computer Science, 2013, 19, 602-608.	2.0	0
197	Ideal HT: A Hough Transform Assessment Tool. SAIIE Africa Research Journal, 2013, 104, 107-114.	1.2	0
198	Bounded control of a full-exoskeleton device with four (4) Degree of Freedom. , 2015, , .		0

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199	Evaluation of the Magnetic Fields and Mutual Inductance between Circular Coils Arbitrarily Positioned in Space. Journal of Physics: Conference Series, 2015, 633, 012012.	0.4	0
200	Background Categorization for Automatic Animal Detection in Aerial Videos Using Neural Networks. Lecture Notes in Computer Science, 2016, , 220-232.	1.3	0
201	Enhanced rls in smart antennas for long range communication networks. , 2017, , .		0
202	A Matlab/Simulink framework for real time implementation of endogenous brain computer interfaces. , 2017, , .		0
203	Evaluation of 802.11ah TIM and RAW Scheduling Protocol for IoT. , 2019, , .		0
204	Grid Smoothing for Image Enhancement. Lecture Notes in Computer Science, 2010, , 125-135.	1.3	0
205	Edge Detection in Grayscale Images Using Grid Smoothing. Communications in Computer and Information Science, 2011, , 110-119.	0.5	0
206	Context-Aware VoIP Congestion Control Service. The African Journal of Information and Communication, 2011, , 55-76.	0.8	0
207	Link Adaptation in Ad Hoc Networks Based on Interference Minimization. Communications in Computer and Information Science, 2012, , 492-502.	0.5	0
208	Contribution to the Dynamic Modeling and Control of an Hexapod Robot. , 2012, , 168-188.		0
209	Face Detection and Tracking for Intent Recognition. Lecture Notes in Computer Science, 2014, , 521-530.	1.3	0
210	Spectrum Selection Technique to Reduce the Number of Channel Switching for Dynamic Spectrum Access in Cognitive Radio Networks. , 2014, , .		0
211	Robust Adaptive Sliding Mode Controller for Wearable Robots. IFAC-PapersOnLine, 2020, 53, 3861-3866.	0.9	0
212	Development of a User Haptic Feedback Differential Drive. South African Journal of Science and Technology, 2021, 40, 59-74.	0.1	0