Ivan Marsic

List of Publications by Year
in descending order

56 papers	612 citations	758635 12 h-index	839053 18 g-index
56 all docs	56 docs citations	56 times ranked	526 citing authors

#	Article	IF	Citations
1	Deep Learning for RFID-Based Activity Recognition. , 2016, 2016, 164-175.		99
2	Introducing RFID technology in dynamic and time-critical medical settings: Requirements and challenges. Journal of Biomedical Informatics, 2012, 45, 958-974.	2.5	46
3	Fuzzy Reasoning for Wireless Awareness. International Journal of Wireless Information Networks, 2001, 8, 15-26.	1.8	28
4	DISCIPLE. ACM Computing Surveys, 1999, 31, 4.	16.1	25
5	Piecewise Network Awareness Service for Wireless/Mobile Pervasive Computing. Mobile Networks and Applications, 2002, 7, 269-278.	2.2	24
6	Classification and team response to nonroutine events occurring during pediatric trauma resuscitation. Journal of Trauma and Acute Care Surgery, 2016, 81, 666-673.	1.1	23
7	Handling Heterogeneity in Networked Virtual Environments. Presence: Teleoperators and Virtual Environments, 2003, 12, 37-51.	0.3	22
8	Deep Mul Timodal Learning for Emotion Recognition in Spoken Language. , 2018, 2018, 5079-5083.		20
9	Speech Intention Classification with Multimodal Deep Learning. Lecture Notes in Computer Science, 2017, 10233, 260-271.	1.0	20
10	Models for Non-intrusive Estimation of Wireless Link Bandwidth. Lecture Notes in Computer Science, 2003, , 334-348.	1.0	20
11	Detecting Object Motion Using Passive RFID: A Trauma Resuscitation Case Study. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 2430-2437.	2.4	17
12	An approach to automatic process deviation detection in a time-critical clinical process. Journal of Biomedical Informatics, 2018, 85, 155-167.	2.5	17
13	Collaboration transparency in the DISCIPLE framework. , 1999, , .		16
14	Passive RFID for Object and Use Detection during Trauma Resuscitation. IEEE Transactions on Mobile Computing, 2016, 15, 924-937.	3.9	16
15	Deep neural network for RFID-based activity recognition. , 2016, 2016, 24-26.		15
16	Object motion detection based on passive UHF RFID tags using a hidden Markov model-based classifier. Sensing and Bio-Sensing Research, 2018, 21, 65-74.	2.2	13
17	Flexible User Interfaces for Group Collaboration. International Journal of Human-Computer Interaction, 2003, 15, 337-360.	3.3	12
18	Progress Estimation and Phase Detection for Sequential Processes. , 2017, 1, 1-20.		12

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19	Exploring Design Opportunities for a Context-Adaptive Medical Checklist Through Technology Probe Approach. , 2017, 2017, 57-68.		11
20	Process conformance is associated with successful first intubation attempt and lower odds of adverse events in a paediatric emergency setting. Emergency Medicine Journal, 2019, 36, 520-528.	0.4	10
21	Intention Mining in Medical Process: A Case Study in Trauma Resuscitation. , 2018, 2018, 36-43.		9
22	Design and Evaluation of RFID Deployments in a Trauma Resuscitation Bay. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1091-1097.	3.9	8
23	Association Between Prearrival Notification Time and Advanced Trauma Life Support Protocol Adherence. Journal of Surgical Research, 2019, 242, 231-238.	0.8	8
24	Designing Interactive Alerts to Improve Recognition of Critical Events in Medical Emergencies. , 2021, 2021, 864-878.		8
25	Design Challenges in Converting a Paper Checklist to Digital Format for Dynamic Medical Settings. International Conference on Pervasive Computing Technologies for Healthcare: [proceedings], 2016, 2016, 33-40.	2.0	8
26	Issues and Improvements in TCP Performance over Multihop Wireless Networks. , 2008, , .		7
27	Multimodal Affective Analysis Using Hierarchical Attention Strategy with Word-Level Alignment. Proceedings of the Conference - Association for Computational Linguistics Meeting, 2018, 2018, 2225-2235.	2.0	7
28	Language-Based Process Phase Detection in the Trauma Resuscitation. , 2017, 2017, 239-247.		6
29	Evaluation of trace alignment quality and its application in medical process mining. , 2017, 2017, 258-267.		6
30	Errors in cervical spine immobilization during pediatric trauma evaluation. Journal of Surgical Research, 2018, 228, 135-141.	0.8	6
31	Checklist as a Memory Externalization Tool during a Critical Care Process. AMIA ... Annual Symposium proceedings, 2016, 2016, 1080-1089.	0.2	6
32	Supporting Collaboration in Heterogeneous Environments. Journal of Management Information Systems, 2004, 20, 199-228.	2.1	5
33	Multimodal Attention Network for Trauma Activity Recognition from Spoken Language and Environmental Sound. , 2019, 2019, .		5
34	Association of Ventilation during Initial Trauma Resuscitation for Traumatic Brain Injury and Post-Traumatic Outcomes: A Systematic Review. Prehospital and Disaster Medicine, 2021, 36, 460-465.	0.7	5
35	Real-time medical phase recognition using long-term video understanding and progress gate method. Medical Image Analysis, 2021, 74, 102224.	7.0	5
36	Duration-Aware Alignment of Process Traces. Lecture Notes in Computer Science, 2016, , 379-393.	1.0	5

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37	Software Framework for Managing Heterogeneity in Mobile Collaborative Systems. Computer Supported Cooperative Work, 2004, 13, 603-638.	1.9	4
38	Improved Delayed ACK for TCP over Multi-Hop Wireless Networks. , 2009, , .		4
39	Personal Protective Equipment Adherence of Pediatric Resuscitation Team Members During the COVID-19 Pandemic. Annals of Emergency Medicine, 2021, 78, 619-627.	0.3	4
40	Metrics of shock in pediatric trauma patients: A systematic search and review. Injury, 2021, 52, 3166-3172.	0.7	4
41	Persistent Pseudo-Clearance Problem in IEEE802.11 Mesh Networks and its Multicast Based Solutions. , 2007, , .		3
42	Assessment of Nonroutine Events During Intubation After Pediatric Trauma. Journal of Surgical Research, 2021, 259, 276-283.	0.8	3
43	Hybrid Attention based Multimodal Network for Spoken Language Classification. Proceedings of the Conference - Association for Computational Linguistics Meeting, 2018, 2018, 2379-2390.	2.0	3
44	Speech-Based Activity Recognition for Trauma Resuscitation. , 2020, 2020, .		3
45	Java-based tools for accurate bandwidth measurement of Digital Subscriber Line networks1. Integrated Computer-Aided Engineering, 2002, 9, 333-344.	2.5	2
46	A Query Scope Agent for Flood Search Routing Protocols. Wireless Networks, 2003, 9, 623-636.	2.0	2
47	Software framework for managing heterogeneity in mobile collaborative systems. , 2003, , .		2
48	Classification strategies for nonâ€routine events occurring in highâ€risk patient care settings: A scoping review. Journal of Evaluation in Clinical Practice, 2021, 27, 464-471.	0.9	2
49	Assessment of Non-Routine Events and Significant Physiological Disturbances during Emergency Department Evaluation after Pediatric Head Trauma. Neurotrauma Reports, 2021, 2, 39-47.	0.5	2
50	Exact and Heuristic Algorithms for Dynamic Tree Simplification. Mathematical Modelling and Algorithms, 2005, 4, 331-353.	0.5	1
51	Improving TCP Performance Over Multi-Hop Wireless Networks. , 2008, , .		1
52	Characterizing Speech in Life Saving Interventions to Inform Computerized Clinical Decision Support for Complex Medical Teamwork. , 2021, , .		1
53	Monitoring Interactions with RFID Tagged Objects Using RSSI. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 374-380.	0.2	1
54	Process Mining for Trauma Resuscitation. Tissue Barriers, 2017, 18, 15-19.	0.0	0

#	Article	IF	Citations
55	Video-based Concurrent Activity Recognition for Trauma Resuscitation. Proceedings, 2020, 2020, .	0.0	0
56	A Speech-Based Model for Tracking the Progression of Activities in Extreme Action Teamwork. Proceedings of the ACM on Human-Computer Interaction, 2022, 6, 1-26.	2.5	0