

Marko Svaco

List of Publications by Year in descending order

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30
papers

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1040056

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15
g-index

32
all docs

32
docs citations

32
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Calibration of an Industrial Robot Using a Stereo Vision System. <i>Procedia Engineering</i> , 2014, 69, 459-463.	1.2	63
2	Object Tracking with a Multiagent Robot System and a Stereo Vision Camera. <i>Procedia Engineering</i> , 2014, 69, 968-973.	1.2	28
3	Brain biopsy performed with the RONNA G3 system: a case study on using a novel robotic navigation device for stereotactic neurosurgery. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2018, 14, e1884.	2.3	19
4	Automated Marker Localization in the Planning Phase of Robotic Neurosurgery. <i>IEEE Access</i> , 2017, 5, 12265-12274.	4.2	18
5	Human-Robot Interaction Based on Use of Capacitive Sensors. <i>Procedia Engineering</i> , 2014, 69, 464-468.	1.2	16
6	Robotic Application in Neurosurgery Using Intelligent Visual and Haptic Interaction. <i>International Journal of Simulation Modelling</i> , 2015, , 71-84.	1.3	14
7	Robot Assisted 3D Point Cloud Object Registration. <i>Procedia Engineering</i> , 2015, 100, 847-852.	1.2	13
8	Medical applicability of a low-cost industrial robot arm guided with an optical tracking system. , 2015, , .		12
9	A multiagent framework for industrial robotic applications. <i>Procedia Computer Science</i> , 2011, 6, 291-296.	2.0	11
10	RONNA G4â€”Robotic Neuronavigation: A Novel Robotic Navigation Device for Stereotactic Neurosurgery. , 2020, , 599-625.		10
11	Frameless stereotactic brain biopsy: A prospective study on robotâ€”assisted brain biopsies performed on 32 patients by using the RONNA G4 system. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2021, 17, e2245.	2.3	10
12	A Reinforcement Learning Based Algorithm for Robot Action Planning. <i>Mechanisms and Machine Science</i> , 2019, , 493-503.	0.5	8
13	Validation of Three KUKA Agilus Robots for Application in Neurosurgery. <i>Mechanisms and Machine Science</i> , 2018, , 996-1006.	0.5	7
14	Influence of the Localization Strategy on the Accuracy of a Neurosurgical Robot System. <i>Transactions of Famena</i> , 2018, 42, 27-38.	0.6	6
15	Learning from Demonstration Based on a Classification of Task Parameters and Trajectory Optimization. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2020, 99, 261-275.	3.4	6
16	Autonomous Planning Framework for Distributed Multiagent Robotic Systems. <i>International Federation for Information Processing</i> , 2011, , 147-154.	0.4	6
17	Industrial Robotic System with Adaptive Control. <i>Procedia Computer Science</i> , 2012, 12, 164-169.	2.0	5
18	ARTgrid: A Two-Level Learning Architecture Based on Adaptive Resonance Theory. <i>Advances in Artificial Neural Systems</i> , 2014, 2014, 1-9.	1.0	4

#	ARTICLE	IF	CITATIONS
19	Stereotactic Neuro-Navigation Phantom Designs: A Systematic Review. <i>Frontiers in Neurorobotics</i> , 2020, 14, 549603.	2.8	4
20	Tuning of Parameters for Robotic Contouring Based on the Evaluation of Force Deviation. <i>Transactions of Famena</i> , 2018, 42, 33-45.	0.6	3
21	Accelerating Robot Trajectory Learning for Stochastic Tasks. <i>IEEE Access</i> , 2020, 8, 71993-72006.	4.2	2
22	Simulation for Robotic Stereotactic Neurosurgery. <i>Annals of DAAAM & Proceedings</i> , 2016, , 0562-0568.	0.1	2
23	A Novel Robotic Neuronavigation System: RONNA G3. <i>Strojnicki Vestnik/Journal of Mechanical Engineering</i> , 2017, 63, .	1.1	2
24	T-Phantom: a New Phantom Design for Neurosurgical Robotics. <i>Annals of DAAAM & Proceedings</i> , 2016, , 0266-0270.	0.1	2
25	Intelligent Algorithms for Non-parametric Robot Calibration. , 2020, , .		2
26	Task planning based on the interpretation of spatial structures. <i>Tehnicki Vjesnik</i> , 2017, 24, .	0.2	1
27	Clinical application of the RONNA G4 system – preliminary validation of 23 robotic frameless brain biopsies. <i>Croatian Medical Journal</i> , 2021, 62, 318-327.	0.7	1
28	A Capacitive Sensor for Human-Robot Interaction. <i>Annals of DAAAM & Proceedings</i> , 2012, , 0819-0822.	0.1	1
29	Position planning for collaborating robots and its application in neurosurgery. <i>Tehnicki Vjesnik</i> , 2017, 24, .	0.2	0
30	Frameless stereotactic brain biopsy and external ventricular drainage placement using the RONNA G4 system. <i>Journal of Surgical Case Reports</i> , 2022, 2022, .	0.4	0