Marko Svaco

List of Publications by Year
in descending order

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Version: 2024-02-01

30 papers	276 citations	1040056 9 h-index	996975 15 g-index
32 all docs	32 docs citations	32 times ranked	213 citing authors

#	Article	IF	Citations
1	Frameless stereotactic brain biopsy and external ventricular drainage placement using the RONNA G4 system. Journal of Surgical Case Reports, 2022, 2022, .	0.4	0
2	Frameless stereotactic brain biopsy: A prospective study on robotâ€assisted brain biopsies performed on 32 patients by using the RONNA G4 system. International Journal of Medical Robotics and Computer Assisted Surgery, 2021, 17, e2245.	2.3	10
3	Clinical application of the RONNA G4 system â€“ preliminary validation of 23 robotic frameless brain biopsies. Croatian Medical Journal, 2021, 62, 318-327.	0.7	1
4	RONNA G4â€”Robotic Neuronavigation: A Novel Robotic Navigation Device for Stereotactic Neurosurgery. , 2020, , 599-625.		10
5	Learning from Demonstration Based on a Classification of Task Parameters and Trajectory Optimization. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 261-275.	3.4	6
6	Stereotactic Neuro-Navigation Phantom Designs: A Systematic Review. Frontiers in Neurorobotics, 2020, 14, 549603.	2.8	4
7	Accelerating Robot Trajectory Learning for Stochastic Tasks. IEEE Access, 2020, 8, 71993-72006.	4.2	2
8	Intelligent Algorithms for Non-parametric Robot Calibration. , 2020, , .		2
9	A Reinforcement Learning Based Algorithm for Robot Action Planning. Mechanisms and Machine Science, 2019, , 493-503.	0.5	8
10	Brain biopsy performed with the RONNA G3 system: a case study on using a novel robotic navigation device for stereotactic neurosurgery. International Journal of Medical Robotics and Computer Assisted Surgery, 2018, 14, e1884.	2.3	19
11	Validation of Three KUKA Agilus Robots for Application in Neurosurgery. Mechanisms and Machine Science, 2018, , 996-1006.	0.5	7
12	Influence of the Localization Strategy on the Accuracy of a Neurosurgical Robot System. Transactions of Famena, 2018, 42, 27-38.	0.6	6
13	Tuning of Parameters for Robotic Contouring Based on the Evaluation of Force Deviation. Transactions of Famena, 2018, 42, 33-45.	0.6	3
14	Automated Marker Localization in the Planning Phase of Robotic Neurosurgery. IEEE Access, 2017, 5, 12265-12274.	4.2	18
15	Position planning for collaborating robots and its application in neurosurgery. Tehnicki Vjesnik, 2017, 24, .	0.2	0
16	Task planning based on the interpretation of spatial structures. Tehnicki Vjesnik, 2017, 24, .	0.2	1
17	A Novel Robotic Neuronavigation System: RONNA G3. Strojniski Vestnik/Journal of Mechanical Engineering, 2017, 63, .	1.1	2
18	Simulation for Robotic Stereotactic Neurosurgery. Annals of DAAAM & Proceedings, 2016, , 0562-0568.	0.1	2

#	Article	IF	Citations
19	T-Phantom: a New Phantom Design for Neurosurgical Robotics. Annals of DAAAM & Proceedings, 2016, , 0266-0270.	0.1	2
20	Robotic Application in Neurosurgery Using Intelligent Visual and Haptic Interaction. International Journal of Simulation Modelling, 2015, , 71-84.	1.3	14
21	Medical applicability of a low-cost industrial robot arm guided with an optical tracking system. , 2015, , .		12
22	Robot Assisted 3D Point Cloud Object Registration. Procedia Engineering, 2015, 100, 847-852.	1.2	13
23	ARTgrid: A Two-Level Learning Architecture Based on Adaptive Resonance Theory. Advances in Artificial Neural Systems, 2014, 2014, 1-9.	1.0	4
24	Human-Robot Interaction Based on Use of Capacitive Sensors. Procedia Engineering, 2014, 69, 464-468.	1.2	16
25	Object Tracking with a Multiagent Robot System and a Stereo Vision Camera. Procedia Engineering, 2014, 69, 968-973.	1.2	28
26	Calibration of an Industrial Robot Using a Stereo Vision System. Procedia Engineering, 2014, 69, 459-463.	1.2	63
27	Industrial Robotic System with Adaptive Control. Procedia Computer Science, 2012, 12, 164-169.	2.0	5
28	A Capacitive Sensor for Human-Robot Interaction. Annals of DAAAM & Proceedings, 2012, , 0819-0822.	0.1	1
29	A multiagent framework for industrial robotic applications. Procedia Computer Science, 2011, 6, 291-296.	2.0	11
30	Autonomous Planning Framework for Distributed Multiagent Robotic Systems. International Federation for Information Processing, 2011, , 147-154.	0.4	6