

Kanty Rabenoroosa

List of Publications by Year in descending order

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papers

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21
docs citations

21
times ranked

256
citing authors

#	ARTICLE	IF	CITATIONS
1	4D Printing: Enabling Technology for Microrobotics Applications. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000216.	6.1	43
2	Eye-in-Hand Visual Servoing of Concentric Tube Robots. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 2315-2321.	5.1	38
3	Kinematics and performance analysis of a novel concentric tube robotic structure with embedded soft micro-actuation. <i>Mechanism and Machine Theory</i> , 2016, 104, 234-254.	4.5	34
4	Kinematic Analysis of Magnetic Continuum Robots Using Continuation Method and Bifurcation Analysis. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 3646-3653.	5.1	22
5	A numerical framework for the stability and cardinality analysis of concentric tube robots: Introduction and application to the follow-the-leader deployment. <i>Mechanism and Machine Theory</i> , 2019, 132, 176-192.	4.5	19
6	Developments and Control of Biocompatible Conducting Polymer for Intracorporeal Continuum Robots. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1511-1521.	2.5	15
7	SLAM-Based Follow-the-Leader Deployment of Concentric Tube Robots. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 548-555.	5.1	14
8	Preliminary results on OCT-based position control of a concentric tube robot. , 2017, , .		11
9	In Vivo Inspection of the Olfactory Epithelium: Feasibility of Robotized Optical Biopsy. <i>Annals of Biomedical Engineering</i> , 2018, 46, 1951-1961.	2.5	11
10	Online Robust Endomicroscopy Video Mosaicking Using Robot Prior. <i>IEEE Robotics and Automation Letters</i> , 2018, 3, 4163-4170.	5.1	9
11	NanoRobotic Structures with Embedded Actuation via Ion Induced Folding. <i>Advanced Materials</i> , 2021, 33, e2103371.	21.0	9
12	A Hybrid Concentric Tube Robot for Cholesteatoma Laser Surgery. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 462-469.	5.1	9
13	Design and closed-loop control of a tri-layer Polypyrrole based telescopic soft robot. , 2016, , .		8
14	Toward Conductive Polymer-Based Soft Milli-Robots for Vacuum Applications. <i>Frontiers in Robotics and AI</i> , 2019, 6, 122.	3.2	7
15	Piecewise constant strain kinematic model of externally loaded concentric tube robots. <i>Mechatronics</i> , 2021, 74, 102502.	3.3	7
16	Automatic Tip-Steering of Concentric Tube Robots in the Trachea Based on Visual SLAM. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2020, 2, 582-585.	3.2	7
17	Magnetic concentric tube robots: Introduction and analysis. <i>International Journal of Robotics Research</i> , 2022, 41, 418-440.	8.5	7
18	Design of Concentric Tube Robots Using Tube Patterning for Follow-The-Leader Deployment. <i>Journal of Mechanisms and Robotics</i> , 2021, 13, .	2.2	2

#	ARTICLE	IF	CITATIONS
19	Modeling and Position Control of the HASEL Actuator via Port-Hamiltonian Approach. IEEE Robotics and Automation Letters, 2022, 7, 7100-7107.	5.1	2
20	Combining Tube Design and Simple Kinematic Strategy for Follow-the-Leader Deployment of Concentric Tube Robots. Springer Proceedings in Advanced Robotics, 2018, , 23-31.	1.3	1
21	An Effective Algorithm for Finding Shortest Paths in Tubular Spaces. Algorithms, 2022, 15, 79.	2.1	1