

Kanty Rabenoroosa

List of Publications by Year in descending order

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docs citations

21
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256
citing authors

#	ARTICLE	IF	CITATIONS
1	A Hybrid Concentric Tube Robot for Cholesteatoma Laser Surgery. IEEE Robotics and Automation Letters, 2022, 7, 462-469.	5.1	9
2	An Effective Algorithm for Finding Shortest Paths in Tubular Spaces. Algorithms, 2022, 15, 79.	2.1	1
3	Magnetic concentric tube robots: Introduction and analysis. International Journal of Robotics Research, 2022, 41, 418-440.	8.5	7
4	Modeling and Position Control of the HASEL Actuator via Port-Hamiltonian Approach. IEEE Robotics and Automation Letters, 2022, 7, 7100-7107.	5.1	2
5	4D Printing: Enabling Technology for Microrobotics Applications. Advanced Intelligent Systems, 2021, 3, 2000216.	6.1	43
6	Piecewise constant strain kinematic model of externally loaded concentric tube robots. Mechatronics, 2021, 74, 102502.	3.3	7
7	NanoRobotic Structures with Embedded Actuation via Ion Induced Folding. Advanced Materials, 2021, 33, e2103371.	21.0	9
8	Design of Concentric Tube Robots Using Tube Patterning for Follow-The-Leader Deployment. Journal of Mechanisms and Robotics, 2021, 13, .	2.2	2
9	SLAM-Based Follow-the-Leader Deployment of Concentric Tube Robots. IEEE Robotics and Automation Letters, 2020, 5, 548-555.	5.1	14
10	Automatic Tip-Steering of Concentric Tube Robots in the Trachea Based on Visual SLAM. IEEE Transactions on Medical Robotics and Bionics, 2020, 2, 582-585.	3.2	7
11	Toward Conductive Polymer-Based Soft Milli-Robots for Vacuum Applications. Frontiers in Robotics and AI, 2019, 6, 122.	3.2	7
12	A numerical framework for the stability and cardinality analysis of concentric tube robots: Introduction and application to the follow-the-leader deployment. Mechanism and Machine Theory, 2019, 132, 176-192.	4.5	19
13	Eye-in-Hand Visual Servoing of Concentric Tube Robots. IEEE Robotics and Automation Letters, 2018, 3, 2315-2321.	5.1	38
14	Developments and Control of Biocompatible Conducting Polymer for Intracorporeal Continuum Robots. Annals of Biomedical Engineering, 2018, 46, 1511-1521.	2.5	15
15	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
16	Kinematic Analysis of Magnetic Continuum Robots Using Continuation Method and Bifurcation Analysis. IEEE Robotics and Automation Letters, 2018, 3, 3646-3653.	5.1	22
17	Online Robust Endomicroscopy Video Mosaicking Using Robot Prior. IEEE Robotics and Automation Letters, 2018, 3, 4163-4170.	5.1	9
18	In Vivo Inspection of the Olfactory Epithelium: Feasibility of Robotized Optical Biopsy. Annals of Biomedical Engineering, 2018, 46, 1951-1961.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Preliminary results on OCT-based position control of a concentric tube robot. , 2017, , .		11
20	Design and closed-loop control of a tri-layer Polypyrrole based telescopic soft robot. , 2016, , .		8
21	Kinematics and performance analysis of a novel concentric tube robotic structure with embedded soft micro-actuation. Mechanism and Machine Theory, 2016, 104, 234-254.	4.5	34