

Julie Legrand

List of Publications by Year in descending order

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papers

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1478505

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10
docs citations

10
times ranked

70
citing authors

#	ARTICLE	IF	CITATIONS
1	A Healable Resistive Heater as a Stimuli-Providing System in Self-Healing Soft Robots. IEEE Robotics and Automation Letters, 2022, 7, 4574-4581.	5.1	11
2	A miniature robotic steerable endoscope for maxillary sinus surgery called PliENT. Scientific Reports, 2022, 12, 2299.	3.3	9
3	Quasi-Static FEA Model for a Multi-Material Soft Pneumatic Actuator in SOFA. IEEE Robotics and Automation Letters, 2022, 7, 7391-7398.	5.1	2
4	A Method Based on 3D Shape Analysis Towards the Design of Flexible Instruments for Endoscopic Maxillary Sinus Surgery. Annals of Biomedical Engineering, 2021, 49, 1534-1550.	2.5	4
5	A large displacement model for superelastic material side-notched tube instruments. International Journal of Mechanical Sciences, 2021, 197, 106329.	6.7	10
6	Integrated Capacitance Sensing for Miniature Artificial Muscle Actuators. IEEE Sensors Journal, 2020, 20, 1363-1372.	4.7	10
7	Active Handheld Flexible Fetoscope – Design and Control Based on a Modified Generalized Prandtl-Ishlinski Model. , 2020, , .		7
8	Handheld Active Add-On Control Unit for a Cable-Driven Flexible Endoscope. Frontiers in Robotics and AI, 2019, 6, 87.	3.2	8
9	Design and Shared Control of a Flexible Endoscope with Autonomous Distal Tip Alignment. , 2019, , .		5
10	From a Disposable Ureteroscope to an Active Lightweight Fetoscope – Characterization and Usability Evaluation. IEEE Robotics and Automation Letters, 2018, 3, 4359-4366.	5.1	16