

Julie Legrand

List of Publications by Year in descending order

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papers

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70
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | From a Disposable Ureteroscope to an Active Lightweight Fetoscopeâ€”Characterization and Usability Evaluation. IEEE Robotics and Automation Letters, 2018, 3, 4359-4366. | 5.1 | 16 |
| 2 | 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 |
| 3 | Integrated Capacitance Sensing for Miniature Artificial Muscle Actuators. IEEE Sensors Journal, 2020, 20, 1363-1372. | 4.7 | 10 |
| 4 | A large displacement model for superelastic material side-notched tube instruments. International Journal of Mechanical Sciences, 2021, 197, 106329. | 6.7 | 10 |
| 5 | A miniature robotic steerable endoscope for maxillary sinus surgery called PliENT. Scientific Reports, 2022, 12, 2299. | 3.3 | 9 |
| 6 | Handheld Active Add-On Control Unit for a Cable-Driven Flexible Endoscope. Frontiers in Robotics and AI, 2019, 6, 87. | 3.2 | 8 |
| 7 | Active Handheld Flexible Fetoscopeâ€”Design and Control Based on a Modified Generalized Prandtl-Ishlinski Model. , 2020, , . | | 7 |
| 8 | Design and Shared Control of a Flexible Endoscope with Autonomous Distal Tip Alignment. , 2019, , . | | 5 |
| 9 | 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 |
| 10 | 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 |