

Anzhu Gao

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

556
citations

687363

13
h-index

1058476

14
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23
all docs

23
docs citations

23
times ranked

564
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft bimorph actuator with real-time multiplex motion perception. <i>Nano Energy</i> , 2020, 76, 104926.	16.0	91
2	Mechanical Model of Dexterous Continuum Manipulators With Compliant Joints and Tendon/External Force Interactions. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017, 22, 465-475.	5.8	74
3	Progress in robotics for combating infectious diseases. <i>Science Robotics</i> , 2021, 6, .	17.6	67
4	Fiber Bragg Grating-Based Triaxial Force Sensor With Parallel Flexure Hinges. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 8215-8223.	7.9	66
5	Laser-Profiled Continuum Robot with Integrated Tension Sensing for Simultaneous Shape and Tip Force Estimation. <i>Soft Robotics</i> , 2020, 7, 421-443.	8.0	52
6	Automatic Microsurgical Skill Assessment Based on Cross-Domain Transfer Learning. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 4148-4155.	5.1	30
7	Modeling and Task-Oriented Optimization of Contact-Aided Continuum Robots. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 1444-1455.	5.8	25
8	Miniaturized Piezo Force Sensor for a Medical Catheter and Implantable Device. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2669-2677.	4.3	23
9	A Contact-Aided Asymmetric Steerable Catheter for Atrial Fibrillation Ablation. <i>IEEE Robotics and Automation Letters</i> , 2017, 2, 1525-1531.	5.1	20
10	Design optimization of a contact-aided continuum robot for endobronchial interventions based on anatomical constraints. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2019, 14, 1137-1146.	2.8	20
11	Spiral FBG sensors-based contact detection for confocal laser endomicroscopy. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112653.	10.1	18
12	Towards a Snake-Like Flexible Robot for Endoscopic Submucosal Dissection. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2021, 3, 257-260.	3.2	16
13	An Ergonomic Shared Workspace Analysis Framework for the Optimal Placement of a Compact Master Control Console. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 2995-3002.	5.1	13
14	3-DOF force-sensing micro-forceps for robot-assisted membrane peeling: Intrinsic actuation force modeling. , 2016, 2016, 489-494.		12
15	A Multi-Contact-Aided Continuum Manipulator With Anisotropic Shapes. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 4560-4567.	5.1	12
16	FBG-Based Triaxial Force Sensor Integrated with an Eccentrically Configured Imaging Probe for Endoluminal Optical Biopsy. , 2020, , .		9
17	A miniature force sensor for catheter based on optical micro deformation detection. , 2015, , .		4
18	Fixed and Sliding FBG Sensors-Based Triaxial Tip Force Sensing for Cable-Driven Continuum Robots. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
19	A cross-helical tendons actuated dexterous continuum manipulator. , 2015, , .		1
20	Pneumatically Actuated MR-Safe Parallel Robot for Deep Brain Stimulation Electrode Implantation. , 2021, , .		1
21	Design of elastic component of optic intensity force sensing catheter based on finite element analysis. , 2016, , .		0
22	Robotic Electrospinning Actuated by Non-Circular Joint Continuum Manipulator for Endoluminal Therapy. , 2021, , .		0
23	A Cable-Driven Hyper-Redundant Robot with Angular Sensing. , 2021, , .		0