Anzhu Gao

List of Publications by Year
in descending order

23	556	687363 13	1058476 14
papers	citations	h-index	g-index

23	23	23	564
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fixed and Sliding FBG Sensors-Based Triaxial Tip Force Sensing for Cable-Driven Continuum Robots. , 2022, , .		2
2	Towards a Snake-Like Flexible Robot for Endoscopic Submucosal Dissection. IEEE Transactions on Medical Robotics and Bionics, 2021, 3, 257-260.	3.2	16
3	Progress in robotics for combating infectious diseases. Science Robotics, 2021, 6, .	17.6	67
4	A Multi-Contact-Aided Continuum Manipulator With Anisotropic Shapes. IEEE Robotics and Automation Letters, 2021, 6, 4560-4567.	5.1	12
5	Robotic Electrospinning Actuated by Non-Circular Joint Continuum Manipulator for Endoluminal Therapy. , 2021, , .		0
6	Pneumatically Actuated MR-Safe Parallel Robot for Deep Brain Stimulation Electrode Implantation. , 2021, , .		1
7	A Cable-Driven Hyper-Redundant Robot with Angular Sensing. , 2021, , .		0
8	Miniaturized Piezo Force Sensor for a Medical Catheter and Implantable Device. ACS Applied Electronic Materials, 2020, 2, 2669-2677.	4.3	23
9	Spiral FBG sensors-based contact detection for confocal laser endomicroscopy. Biosensors and Bioelectronics, 2020, 170, 112653.	10.1	18
10	FBG-Based Triaxial Force Sensor Integrated with an Eccentrically Configured Imaging Probe for Endoluminal Optical Biopsy. , 2020, , .		9
11	Automatic Microsurgical Skill Assessment Based on Cross-Domain Transfer Learning. IEEE Robotics and Automation Letters, 2020, 5, 4148-4155.	5.1	30
12	An Ergonomic Shared Workspace Analysis Framework for the Optimal Placement of a Compact Master Control Console. IEEE Robotics and Automation Letters, 2020, 5, 2995-3002.	5.1	13
13	Soft bimorph actuator with real-time multiplex motion perception. Nano Energy, 2020, 76, 104926.	16.0	91
14	Laser-Profiled Continuum Robot with Integrated Tension Sensing for Simultaneous Shape and Tip Force Estimation. Soft Robotics, 2020, 7, 421-443.	8.0	52
15	Modeling and Task-Oriented Optimization of Contact-Aided Continuum Robots. IEEE/ASME Transactions on Mechatronics, 2020, 25, 1444-1455.	5.8	25
16	Design optimization of a contact-aided continuum robot for endobronchial interventions based on anatomical constraints. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1137-1146.	2.8	20
17	Fiber Bragg Grating-Based Triaxial Force Sensor With Parallel Flexure Hinges. IEEE Transactions on Industrial Electronics, 2018, 65, 8215-8223.	7.9	66
18	A Contact-Aided Asymmetric Steerable Catheter for Atrial Fibrillation Ablation. IEEE Robotics and Automation Letters, 2017, 2, 1525-1531.	5.1	20

#	Article	IF	Citations
19	Mechanical Model of Dexterous Continuum Manipulators With Compliant Joints and Tendon/External Force Interactions. IEEE/ASME Transactions on Mechatronics, 2017, 22, 465-475.	5.8	74
20	3-DOF force-sensing micro-forceps for robot-assisted membrane peeling: Intrinsic actuation force modeling. , 2016, 2016, 489-494.		12
21	Design of elastic component of optic intensity force sensing catheter based on finite element analysis. , 2016, , .		0
22	A cross-helical tendons actuated dexterous continuum manipulator. , 2015, , .		1
23	A miniature force sensor for catheter based on optical micro deformation detection. , 2015, , .		4