Hyosang Lee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1909206/publications.pdf

Version: 2024-02-01

18	331	1163117 8	1281871 11
papers	citations	h-index	g-index

18	18	18	359
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Predicting the Force Map of an ERT-Based Tactile Sensor Using Simulation and Deep Networks. IEEE Transactions on Automation Science and Engineering, 2023, 20, 425-439.	5.2	8
2	Adaptive Optimal Measurement Algorithm for ERT-Based Large-Area Tactile Sensors. IEEE/ASME Transactions on Mechatronics, 2022, 27, 304-314.	5.8	11
3	A biomimetic elastomeric robot skin using electrical impedance and acoustic tomography for tactile sensing. Science Robotics, 2022, 7, .	17.6	61
4	Piezoresistive textile layer and distributed electrode structure for soft whole-body tactile skin. Smart Materials and Structures, 2021, 30, 085036.	3.5	10
5	An ERT-based Robotic Skin with Sparsely Distributed Electrodes: Structure, Fabrication, and DNN-based Signal Processing. , 2020, , .		19
6	Internal Array Electrodes Improve the Spatial Resolution of Soft Tactile Sensors Based on Electrical Resistance Tomography. , 2019, , .		16
7	A Large-Scale Fabric-Based Tactile Sensor Using Electrical Resistance Tomography. Lecture Notes in Electrical Engineering, 2019, , 107-109.	0.4	2
8	Low-hysteresis and low-interference soft tactile sensor using a conductive coated porous elastomer and a structure for interference reduction. Sensors and Actuators A: Physical, 2019, 295, 541-550.	4.1	25
9	Dispenser printing of piezo-resistive nanocomposite on woven elastic fabric and hysteresis compensation for skin-mountable stretch sensing. Smart Materials and Structures, 2018, 27, 025017.	3.5	16
10	Development of an MR-compatible hand exoskeleton that is capable of providing interactive robotic rehabilitation during fMRI imaging. Medical and Biological Engineering and Computing, 2018, 56, 261-272.	2.8	8
11	Soft Nanocomposite Based Multi-point, Multi-directional Strain Mapping Sensor Using Anisotropic Electrical Impedance Tomography. Scientific Reports, 2017, 7, 39837.	3.3	90
12	Design of an optical soft sensor for measuring fingertip force and contact recognition. International Journal of Control, Automation and Systems, 2017, 15, 16-24.	2.7	19
13	Investigation of the Effect of Weighting between sEMG and Interaction Force in Intention Extraction for the Control of an Upper-Limb Assistive Device. Journal of Medical Robotics Research, 2017, 02, 1740005.	1.2	0
14	Printable skin adhesive stretch sensor for measuring multi-axis human joint angles. , 2016, , .		17
15	Investigation of a tolerable time delay in SEMG-based elbow assistive device. , 2014, , .		4
16	Estimation of flexible needle deflection in layered soft tissues with different elastic moduli. Medical and Biological Engineering and Computing, 2014, 52, 729-740.	2.8	19
17	Localization of abnormality using finite element modeling of prostate glands with robotic system: A preliminary study. , 2012, , .		0
18	Robotic system for hybrid diagnosis of prostate cancer: Design and experimentation. , 2011, , .		6