Dong-Soo Choi

List of Publications by Year
in descending order

21	178	1163117 8	1125743 13
papers	citations	h-index	g-index

21	21	21	202
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Performance PVC Gel for Adaptive Micro-Lenses with Variable Focal Length. Scientific Reports, 2017, 7, 2068.	3.3	45
2	Focus-tunable double convex lens based on non-ionic electroactive gel. Optics Express, 2017, 25, 20133.	3.4	32
3	Beyond Human Hand: Shape-Adaptive and Reversible Magnetorheological Elastomer-Based Robot Gripper Skin. ACS Applied Materials & Interfaces, 2020, 12, 44147-44155.	8.0	21
4	Polypyrrole-Based Metal Nanocomposite Electrode Materials for High-Performance Supercapacitors. Metals, 2021, 11, 905.	2.3	14
5	A Tiny Haptic Knob Based on Magnetorheological Fluids. Applied Sciences (Switzerland), 2020, 10, 5118.	2.5	12
6	Bio-Inspired Soft Robotics: Tunable Photo-Actuation Behavior of Azo Chromophore Containing Liquid Crystalline Elastomers. Applied Sciences (Switzerland), 2021, 11, 1233.	2.5	9
7	Transparent Film-Type Vibrotactile Actuator Array and Its Haptic Rendering Using Beat Phenomenon. Sensors, 2019, 19, 3490.	3.8	8
8	Transparent and Soft Haptic Actuator for Interaction With Flexible/Deformable Devices. IEEE Access, 2020, 8, 170853-170861.	4.2	8
9	Design of Wavy Ag Microwire Array for Mechanically Stable, Multimodal Vibrational Haptic Interface. Advanced Functional Materials, 2019, 29, 1902703.	14.9	7
10	Flexible Vibrotactile Actuator Based on Dielectric Elastomer for Smart Handheld Devices. Applied Sciences (Switzerland), 2021, 11, 12020.	2.5	6
11	Electrically Adaptive and Shape-Changeable Invertible Microlens. ACS Applied Materials & Interfaces, 2021, 13, 10397-10408.	8.0	5
12	Affordable Drilling Interface for Haptic Interaction in Virtual Environment. , 2019, , .		4
13	Frequency based tactile rendering method for pin-array tactile devices. Journal of Ambient Intelligence and Humanized Computing, 2019, , 1.	4.9	2
14	Soft bidirectional haptic I/O module based on bi-convex patterned PVC gel. Smart Materials and Structures, 2021, 30, 045007.	3.5	2
15	Design of a Multi-Functional Module for Visually Impaired Persons. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1745-1751.	2.2	1
16	Development of Haptic Stylus for Manipulating Virtual Objects in Mobile Devices. Actuators, 2020, 9, 30.	2.3	1
17	Conceptual Design of Soft and Transparent Vibrotactile Actuator. Lecture Notes in Electrical Engineering, 2019, , 229-232.	0.4	1
18	Conceptual Design of Soft Thin Self-sensing Vibrotactile Actuator. Lecture Notes in Electrical Engineering, 2019, , 226-228.	0.4	0

#	Article	IF	Citations
19	Wavy Silicone Rubber Based Flexible Vibrotactile Actuator. , 2019, , .		0
20	Testing and evaluation of electro- vari-focal/chromic lens. Smart Materials and Structures, 2021, 30, 095010.	3.5	0
21	Transparent and Soft Vibrotactile Actuator Based on Silicone Rubber. , 2019, , .		0