

# Gabriele Frediani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5991206/publications.pdf>

Version: 2024-02-01

17  
papers

946  
citations

933447

10  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

1116  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired Tunable Lens with Muscle-Like Electroactive Elastomers. <i>Advanced Functional Materials</i> , 2011, 21, 4152-4158.	14.9	361
2	Standards for dielectric elastomer transducers. <i>Smart Materials and Structures</i> , 2015, 24, 105025.	3.5	245
3	Wearable Wireless Tactile Display for Virtual Interactions with Soft Bodies. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 31.	4.1	59
4	Enabling variable-stiffness hand rehabilitation orthoses with dielectric elastomer transducers. <i>Medical Engineering and Physics</i> , 2014, 36, 205-211.	1.7	58
5	Millimetre-scale bubble-like dielectric elastomer actuators. <i>Polymer International</i> , 2010, 59, 407-414.	3.1	43
6	Electroactive Elastomeric Haptic Displays of Organ Motility and Tissue Compliance for Medical Training and Surgical Force Feedback. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 2327-2330.	4.2	33
7	Tactile display of softness on fingertip. <i>Scientific Reports</i> , 2020, 10, 20491.	3.3	28
8	Active Compression Bandage Made of Electroactive Elastomers. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 2328-2337.	5.8	25
9	Enabling portable multiple-line refreshable Braille displays with electroactive elastomers. <i>Medical Engineering and Physics</i> , 2018, 60, 86-93.	1.7	24
10	Soft wearable non-vibratory tactile displays. , 2018, , .		17
11	Optics: Bioinspired Tunable Lens with Muscle-Like Electroactive Elastomers ( <i>Adv. Funct. Mater.</i> 21/2011). <i>Advanced Functional Materials</i> , 2011, 21, 4002-4002.	14.9	12
12	A Soft Touch: Wearable Tactile Display of Softness Made of Electroactive Elastomers. <i>Advanced Materials Technologies</i> , 2021, 6, 2100016.	5.8	11
13	Real-time control of dielectric elastomer actuators via bioelectric and biomechanical signals. <i>Polymer International</i> , 2010, 59, 422-429.	3.1	10
14	Contractile and Buckling Actuators Based on Dielectric Elastomers: Devices and Applications. <i>Advances in Science and Technology</i> , 2008, 61, 186-191.	0.2	8
15	Wearable Detection of Trunk Flexions: Capacitive Elastomeric Sensors Compared to Inertial Sensors. <i>Sensors</i> , 2021, 21, 5453.	3.8	7
16	Monitoring Flexions and Torsions of the Trunk via Gyroscope-Calibrated Capacitive Elastomeric Wearable Sensors. <i>Sensors</i> , 2021, 21, 6706.	3.8	3
17	Wearable Kinematic Monitoring System Based on Piezocapacitive Sensors. <i>Studies in Health Technology and Informatics</i> , 2019, 261, 103-108.	0.3	2