

Francesco Visentin

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

296
citations

1478505

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1281871

11
g-index

21
all docs

21
docs citations

21
times ranked

372
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrodynamic pressure sensing with an artificial lateral line in steady and unsteady flows. <i>Bioinspiration and Biomimetics</i> , 2012, 7, 036004.	2.9	102
2	FILOSE for Svenning: A Flow Sensing Bioinspired Robot. <i>IEEE Robotics and Automation Magazine</i> , 2014, 21, 51-62.	2.0	62
3	A Deformable Smart Skin for Continuous Sensing Based on Electrical Impedance Tomography. <i>Sensors</i> , 2016, 16, 1928.	3.8	30
4	What information do KÄrmÄn streets offer to flow sensing?. <i>Bioinspiration and Biomimetics</i> , 2011, 6, 036001.	2.9	22
5	Selective Stiffening in Soft Actuators by Triggered Phase Transition of HydrogelÄFilled Elastomers. <i>Advanced Functional Materials</i> , 2021, 31, 2101121.	14.9	17
6	Multisource energy conversion in plants with soft epicuticular coatings. <i>Energy and Environmental Science</i> , 2022, 15, 2545-2556.	30.8	11
7	Sheet type soft robot with magnetic fluid for object transportation. , 2014, , .		8
8	A flexible sensor for soft-bodied robots based on electrical impedance tomography. , 2018, , .		7
9	Simplified Sensing and Control of a Plant-Inspired Cable Driven Manipulator. , 2019, , .		7
10	Iterative simulations to estimate the elastic properties from a series of MRI images followed by MRI-US validation. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 913-924.	2.8	7
11	Surgical robot simulation with BBZ console. <i>Journal of Visualized Surgery</i> , 2017, 3, 57-57.	0.2	5
12	Analytical derivation of elasticity in breast phantoms for deformation tracking. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018, 13, 1641-1650.	2.8	5
13	A Soft Sensorized Foot Module to Understand Anisotropic Terrains During Soft Robot Locomotion. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 4055-4061.	5.1	4
14	Sensorized Foam Actuator with Intrinsic Proprioception and Tunable Stiffness Behavior for Soft Robots. <i>Advanced Intelligent Systems</i> , 2021, 3, 2100022.	6.1	4
15	Fluid dynamics experiments with a passive robot in regular turbulence. , 2012, , .		2
16	Deformable sensors for soft robot by electrical impedance tomography. , 2015, , .		1
17	Friend*Chip. , 2016, , .		1
18	Dynamic Obstacles Detection for Robotic Soil Explorations*. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	The Interaction between Vortices and a Biomimetic Flexible Fin. Lecture Notes in Computer Science, 2011, , 418-419.	1.3	0
20	Nitrogen Dioxide Optical Sensor Based on Redox-Active Tetrazolium/Pluronic Nanoparticles Embedded in PDMS Membranes. Chemosensors, 2022, 10, 213.	3.6	0