

# Francesco Visentin

## List of Publications by Year in descending order

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20  
papers

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citations

1478505

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1281871

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docs citations

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times ranked

372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multisource energy conversion in plants with soft epicuticular coatings. Energy and Environmental Science, 2022, 15, 2545-2556.	30.8	11
2	Nitrogen Dioxide Optical Sensor Based on Redox-Active Tetrazolium/Pluronic Nanoparticles Embedded in PDMS Membranes. Chemosensors, 2022, 10, 213.	3.6	0
3	Selective Stiffening in Soft Actuators by Triggered Phase Transition of Hydrogel-Filled Elastomers. Advanced Functional Materials, 2021, 31, 2101121.	14.9	17
4	Sensorized Foam Actuator with Intrinsic Proprioception and Tunable Stiffness Behavior for Soft Robots. Advanced Intelligent Systems, 2021, 3, 2100022.	6.1	4
5	A Soft Sensorized Foot Module to Understand Anisotropic Terrains During Soft Robot Locomotion. IEEE Robotics and Automation Letters, 2020, 5, 4055-4061.	5.1	4
6	Simplified Sensing and Control of a Plant-Inspired Cable Driven Manipulator. , 2019, , .		7
7	Dynamic Obstacles Detection for Robotic Soil Explorations*. , 2019, , .		1
8	Iterative simulations to estimate the elastic properties from a series of MRI images followed by MRI-US validation. Medical and Biological Engineering and Computing, 2019, 57, 913-924.	2.8	7
9	A flexible sensor for soft-bodied robots based on electrical impedance tomography. , 2018, , .		7
10	Analytical derivation of elasticity in breast phantoms for deformation tracking. International Journal of Computer Assisted Radiology and Surgery, 2018, 13, 1641-1650.	2.8	5
11	Surgical robot simulation with BBZ console. Journal of Visualized Surgery, 2017, 3, 57-57.	0.2	5
12	A Deformable Smart Skin for Continuous Sensing Based on Electrical Impedance Tomography. Sensors, 2016, 16, 1928.	3.8	30
13	Friend*Chip. , 2016, , .		1
14	Deformable sensors for soft robot by electrical impedance tomography. , 2015, , .		1
15	Sheet type soft robot with magnetic fluid for object transportation. , 2014, , .		8
16	FILOSE for Svenning: A Flow Sensing Bioinspired Robot. IEEE Robotics and Automation Magazine, 2014, 21, 51-62.	2.0	62
17	Fluid dynamics experiments with a passive robot in regular turbulence. , 2012, , .		2
18	Hydrodynamic pressure sensing with an artificial lateral line in steady and unsteady flows. Bioinspiration and Biomimetics, 2012, 7, 036004.	2.9	102

#	ARTICLE	IF	CITATIONS
19	What information do KÄrmÄjn streets offer to flow sensing?. Bioinspiration and Biomimetics, 2011, 6, 036001.	2.9	22
20	The Interaction between Vortices and a Biomimetic Flexible Fin. Lecture Notes in Computer Science, 2011, , 418-419.	1.3	0