

# Francesco Giorgio-Serchi

## List of Publications by Year in descending order

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16  
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docs citations

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times ranked

351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft Robots for Ocean Exploration and Offshore Operations: A Perspective. <i>Soft Robotics</i> , 2021, 8, 625-639.	8.0	66
2	A resonant squid-inspired robot unlocks biological propulsive efficiency. <i>Science Robotics</i> , 2021, 6, .	17.6	56
3	A unified multi-soft-body dynamic model for underwater soft robots. <i>International Journal of Robotics Research</i> , 2018, 37, 648-666.	8.5	49
4	Evolving Soft Locomotion in Aquatic and Terrestrial Environments: Effects of Material Properties and Environmental Transitions. <i>Soft Robotics</i> , 2018, 5, 475-495.	8.0	48
5	Underwater soft-bodied pulsed-jet thrusters: Actuator modeling and performance profiling. <i>International Journal of Robotics Research</i> , 2016, 35, 1308-1329.	8.5	47
6	A Soft Aquatic Actuator for Unsteady Peak Power Amplification. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 2968-2973.	5.8	28
7	Experimental Force Data of a Restrained ROV under Waves and Current. <i>Data</i> , 2020, 5, 57.	2.3	22
8	Hydrodynamic loads on a restrained ROV under waves and current. <i>Ocean Engineering</i> , 2021, 234, 109279.	4.3	22
9	Experimental Validation of Wave Induced Disturbances for Predictive Station Keeping of a Remotely Operated Vehicle. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 5421-5428.	5.1	19
10	Flagellate Underwater Robotics at Macroscale: Design, Modeling, and Characterization. <i>IEEE Transactions on Robotics</i> , 2022, 38, 731-747.	10.3	18
11	Investigating PID Control for Station Keeping ROVs. , 2020, , .		7
12	Impact of Thruster Dynamics on the Feasibility of ROV Station Keeping in Waves. , 2020, , .		5
13	Snap Pump: A Snap-Through Mechanism for a Pulsatile Pump. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 803-810.	5.1	4
14	Experimental Validation of Unsteady Wave Induced Loads on a Stationary Remotely Operated Vehicle. , 2021, , .		4
15	A low-cost experimental rig for multi-DOF unsteady thrust measurements of aquatic bioinspired soft robots. , 2018, , .		2
16	Design, Modeling and Testing of a Flagellum-inspired Soft Underwater Propeller Exploiting Passive Elasticity. , 2019, , .		2