

Francesco Giorgio-Serchi

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

415
citations

840776

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1199594

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17
all docs

17
docs citations

17
times ranked

351
citing authors

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