

# Eric Lanteigne

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

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citations

1684188  
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1474206  
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24  
all docs

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docs citations

24  
times ranked

99  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and Control of an Unmanned Airship with Sliding Ballast. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 285-297.	3.4	15
2	An Experimental Study on a SMA Driven Pressurized Hyper-redundant Manipulator. Journal of Intelligent Material Systems and Structures, 2008, 19, 1067-1076.	2.5	14
3	Hybrid Power Plant Design for a Long-Range Dirigible UAV. IEEE/ASME Transactions on Mechatronics, 2014, 19, 606-614.	5.8	14
4	A High-Fidelity Energy Efficient Path Planner for Unmanned Airships. Robotics, 2017, 6, 28.	3.5	10
5	Pitch control of an Oblique Active Tilting bi-rotor. , 2014, , .		9
6	Experimental Testing of a Hybrid Power Plant for a Dirigible UAV. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 69, 69.	3.4	6
7	Dynamic Characterization of Brushless DC Motors and Propellers for Flight Applications. Unmanned Systems, 2017, 05, 159-167.	3.6	5
8	Biologically Inspired Node Generation Algorithm for Path Planning of Hyper-redundant Manipulators Using Probabilistic Roadmap. International Journal of Automation and Computing, 2014, 11, 153-161.	4.5	4
9	TRAJECTORY OPTIMIZATION OF A SMALL AIRSHIP IN A MOVING FLUID. Transactions of the Canadian Society for Mechanical Engineering, 2016, 40, 191-200.	0.8	4
10	Unmanned airship design with sliding ballast: Modeling and experimental validation. , 2016, , .		4
11	Design and validation of an automated dual-arm instrumented intravaginal dynamometer. Neurourology and Urodynamics, 2021, 40, 604-615.	1.5	4
12	OBSTACLE AVOIDANCE OF REDUNDANT DISCRETELY-ACTUATED MANIPULATORS USING WORKSPACE DENSITY FUNCTIONS. Transactions of the Canadian Society for Mechanical Engineering, 2009, 33, 597-608.	0.8	3
13	Efficient Cholesky Factor Recovery for Column Reordering in Simultaneous Localisation and Mapping. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 859-875.	3.4	3
14	Experimental pitch control of an unmanned airship with sliding ballast. , 2017, , .		3
15	Design of a Link-Less Hyper-Redundant Manipulator and Composite Shape Memory Alloy Actuator. , 2006, , .		2
16	Multibody Dynamic Modeling and Control of an Unmanned Aerial Vehicle under Non-Holonomic Constraints. , 2020, , .		2
17	Pitch Tracking for an Airship with Moving Gondola Using Backstepping Control. , 2020, , .		2
18	Small Tree Probabilistic Roadmap Planner for Hyper-Redundant Manipulators. Lecture Notes in Computer Science, 2011, , 11-20.	1.3	2

#	ARTICLE	IF	CITATIONS
19	Multi-body modelling and adaptive control of a re-configurable uninhabited airship. , 2022, 10, 140-154.		2
20	Design of a linkless hyper-redundant manipulator and composite shape memory alloy actuator. Canadian Journal of Electrical and Computer Engineering, 2006, 31, 191-194.	2.0	1
21	Optimal control for the trajectory planning of micro airships. , 2017, , .		1
22	On the design of structural wing members for an unmanned weight-shift aircraft. Journal of Unmanned Vehicle Systems, 2020, 8, 161-171.	1.2	1
23	SPECIAL ISSUE ON MECHANISMS, MACHINES AND MECHATRONICS GUEST EDITORIAL. Transactions of the Canadian Society for Mechanical Engineering, 2016, 40, v-vi.	0.8	0
24	Design and Shape Optimization of Unmanned, Semi-Rigid Airship for Rapid Descent Using Hybrid Genetic Algorithm. , 2019, , .		0