

Jarvis A Schultz

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

186
citations

1163117

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h-index

1372567

10
g-index

18
all docs

18
docs citations

18
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Computation of Higher-Order Variational Integrators in Robotic Simulation and Trajectory Optimization. Springer Proceedings in Advanced Robotics, 2020, , 689-706.	1.3	1
2	Autonomous Visual Rendering using Physical Motion. Springer Proceedings in Advanced Robotics, 2020, , 80-95.	1.3	1
3	Variational Integrators for Structure-Preserving Filtering. Journal of Computational and Nonlinear Dynamics, 2017, 12, .	1.2	4
4	Dynamic Task Execution Using Active Parameter Identification With the Baxter Research Robot. IEEE Transactions on Automation Science and Engineering, 2017, 14, 391-397.	5.2	17
5	Trust Adaptation Leads to Lower Control Effort in Shared Control of Crane Automation. IEEE Robotics and Automation Letters, 2017, 2, 239-246.	5.1	10
6	Real-Time Dynamic-Mode Scheduling Using Single-Integration Hybrid Optimization. IEEE Transactions on Automation Science and Engineering, 2016, 13, 1385-1398.	5.2	10
7	Low-Infrastructure Real-Time Embedded Control via Variational Integrators. Proceedings in Applied Mathematics and Mechanics, 2016, 16, 949-952.	0.2	0
8	Model-Based Reactive Control for Hybrid and High-Dimensional Robotic Systems. IEEE Robotics and Automation Letters, 2016, 1, 431-438.	5.1	10
9	Real-time trajectory synthesis for information maximization using Sequential Action Control and least-squares estimation. , 2015, , .		10
10	Trajectory Optimization for Well-Conditioned Parameter Estimation. IEEE Transactions on Automation Science and Engineering, 2015, 12, 28-36.	5.2	19
11	Structured Linearization of Discrete Mechanical Systems for Analysis and Optimal Control. IEEE Transactions on Automation Science and Engineering, 2015, 12, 140-152.	5.2	25
12	Extending filter performance through structured integration. , 2014, , .		5
13	Trajectory Synthesis for Fisher Information Maximization. IEEE Transactions on Robotics, 2014, 30, 1358-1370.	10.3	27
14	Robotic Puppets and the Engineering of Autonomous Theater. , 2014, , 107-128.		7
15	Meso-scale and multicontinuum modeling of a triaxial braided textile composite. Journal of Composite Materials, 2013, 47, 303-314.	2.4	18
16	Embedded control synthesis using one-step methods in discrete mechanics. , 2013, , .		3
17	Trajectory generation for underactuated control of a suspended mass. , 2012, , .		19
18	Mesomechanics Modeling of Textile Composites. , 2011, , .		0