

Bryn Ll Jones

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

396
citations

758635

12
h-index

887659

17
g-index

26
all docs

26
docs citations

26
times ranked

328
citing authors

#	ARTICLE	IF	CITATIONS
1	Real-time wind field reconstruction from LiDAR measurements using a dynamic wind model and state estimation. <i>Wind Energy</i> , 2016, 19, 133-150.	1.9	52
2	Analysis and design of Coleman transform-based individual pitch controllers for wind turbine load reduction. <i>Wind Energy</i> , 2015, 18, 1451-1468.	1.9	49
3	A survey of good practice in control education. <i>European Journal of Engineering Education</i> , 2018, 43, 801-823.	1.5	46
4	An efficient algorithm for the solution of a coupled Sylvester equation appearing in descriptor systems. <i>Automatica</i> , 2011, 47, 244-248.	3.0	33
5	Fundamental performance similarities between individual pitch control strategies for wind turbines. <i>International Journal of Control</i> , 2017, 90, 37-52.	1.2	28
6	When is the discretization of a spatially distributed system good enough for control?. <i>Automatica</i> , 2010, 46, 1462-1468.	3.0	26
7	Modelling for robust feedback control of fluid flows. <i>Journal of Fluid Mechanics</i> , 2015, 769, 687-722.	1.4	24
8	Estimation and Control of Wind Turbine Tower Vibrations Based on Individual Blade-Pitch Strategies. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 1820-1828.	3.2	23
9	Characterization, Simulation and Control of a Soft Helical Pneumatic Implantable Robot for Tissue Regeneration. <i>IEEE Transactions on Medical Robotics and Bionics</i> , 2020, 2, 94-103.	2.1	19
10	Accurate prediction of machining feedrate and cycle times considering interpolator dynamics. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 116, 417-438.	1.5	19
11	Passivity-based output-feedback control of turbulent channel flow. <i>Automatica</i> , 2016, 69, 348-355.	3.0	18
12	Flow estimation of boundary layers using DNS-based wall shear information. <i>International Journal of Control</i> , 2011, 84, 1310-1325.	1.2	12
13	Development of a Low-cost, Portable Hardware Platform to Support Hands-on Learning in the Teaching of Control and Systems Theory. <i>Engineering Education</i> , 2014, 9, 62-73.	0.3	12
14	Overcoming fundamental limitations of wind turbine individual blade pitch control with inflow sensors. <i>Wind Energy</i> , 2018, 21, 922-936.	1.9	12
15	A Spatiotemporal Estimation Framework for Real-World LIDAR Wind Speed Measurements. <i>IEEE Transactions on Control Systems Technology</i> , 2020, 28, 1595-1602.	3.2	6
16	A modeling and filtering framework for the semi-discretised Navier-Stokes equations. , 2009, , .		4
17	Harnessing Erebus volcano's thermal energy to power year-round monitoring. <i>Antarctic Science</i> , 2021, 33, 73-80.	0.5	4
18	Tradition and Technology: Sea Ice Science on Inuit Sleds. <i>Eos</i> , 2011, 92, 1-4.	0.1	3

#	ARTICLE	IF	CITATIONS
19	When is the discretization of a PDE good enough for control?. , 2009, , .		2
20	Predictive control design on an embedded robust output-feedback compensator for wind turbine blade-pitch preview control. , 2016, , .		2
21	Wind turbine gust estimation using remote sensing data. , 2014, , .		1
22	Passivity-based feedback control of a channel flow for drag reduction. , 2014, , .		1
23	Flow Estimation of Boundary Layers Using Wall Shear Information. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13813-13818.	0.4	0
24	Sea-surface reconstruction for surface marine vehicles: A matrix completion approach. , 2016, , .		0
25	SWEM: A multiphysics sea-surface simulation environment. , 2016, , .		0
26	Discretising the linearised navier-stokes equations: A systems theory approach. , 2016, , .		0