

Bharath Bhikkaji

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,113
citations

840728

11
h-index

713444

21
g-index

32
all docs

32
docs citations

32
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	A linear programming approach for designing multilevel PWM waveforms. International Journal of Control, 2021, 94, 2584-2595.	1.9	1
2	A Dynamic Programming Approach to Safe Path Planning. , 2019, , .		0
3	Optimal finite-dimensional spectral densities for the identification of continuous-time MIMO systems. Control Theory and Technology, 2019, 17, 276-296.	1.6	1
4	A linear programming approach for designing two-level switched waveforms for power inverters. , 2017, , .		0
5	Sparse models and recursive computations for determining arterial dynamics. Biomedical Signal Processing and Control, 2017, 38, 9-21.	5.7	0
6	Identification of the non-linear dynamics and state of charge estimation of a LiFePO 4 battery using constrained unscented Kalman filter. IFAC-PapersOnLine, 2017, 50, 1571-1576.	0.9	3
7	A QR decomposition approach to factor modelling. Signal Processing, 2017, 132, 19-28.	3.7	4
8	A new TMR based sensing technique for electric guitar pickup. , 2017, , .		3
9	Stability analysis of switched systems with "Mixed" property. , 2017, , .		0
10	Development of autonomous system for scaled ship model for seakeeping tests. , 2016, , .		4
11	D-optimal input design for identification of a continuous system using sum of squares polynomial. , 2015, , .		0
12	Sparse models for determining arterial dynamics. , 2015, , .		1
13	Control of a piezoelectrically actuated high-speed serial-kinematic AFM nanopositioner. Smart Materials and Structures, 2014, 23, 025030.	3.5	35
14	Stability Analysis of Switched Systems with 'Mixed'-Negative Imaginary Property. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 6412-6417.	0.4	2
15	Design, Modeling, and FPAA-Based Control of a High-Speed Atomic Force Microscope Nanopositioner. IEEE/ASME Transactions on Mechatronics, 2013, 18, 1060-1071.	5.8	120
16	Analog implementation of a damping and tracking controller for a high-speed X-Y nanopositioner. , 2012, , .		2
17	A Negative Imaginary Approach to Modeling and Control of a Collocated Structure. IEEE/ASME Transactions on Mechatronics, 2012, 17, 717-727.	5.8	120
18	A combined electrostatic-triboelectric vibration energy harvester. , 2012, , .		1

#	ARTICLE	IF	CITATIONS
19	A New Scanning Method for Fast Atomic Force Microscopy. IEEE Nanotechnology Magazine, 2011, 10, 203-216.	2.0	123
20	Physical-model-based control of a piezoelectric tube for nano-scale positioning applications. Mechatronics, 2010, 20, 74-84.	3.3	13
21	Correction to "Minimizing Scanning Errors in Piezoelectric Stack-Actuated Nanopositioning Platforms" [Jan 08 79-90]. IEEE Nanotechnology Magazine, 2009, 8, 560-560.	2.0	2
22	Integral Resonant Control of a Piezoelectric Tube Actuator for Fast Nanoscale Positioning. IEEE/ASME Transactions on Mechatronics, 2008, 13, 530-537.	5.8	139
23	Precise Tip Positioning of a Flexible Manipulator Using Resonant Control. IEEE/ASME Transactions on Mechatronics, 2008, 13, 180-186.	5.8	58
24	Minimizing Scanning Errors in Piezoelectric Stack-Actuated Nanopositioning Platforms. IEEE Nanotechnology Magazine, 2008, 7, 79-90.	2.0	134
25	High-Performance Control of Piezoelectric Tube Scanners. IEEE Transactions on Control Systems Technology, 2007, 15, 853-866.	5.2	152
26	PVPF control of piezoelectric tube scanners. Sensors and Actuators A: Physical, 2007, 135, 700-712.	4.1	53
27	Experimental implementation of extended multivariable PPF control on an active structure. IEEE Transactions on Control Systems Technology, 2006, 14, 443-455.	5.2	112
28	Reduced order models for a two-dimensional heat diffusion system. International Journal of Control, 2004, 77, 1532-1548.	1.9	3
29	BIAS AND VARIANCE OF THE PARAMETER ESTIMATES FOR A ONE DIMENSIONAL HEAT DIFFUSION SYSTEM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 259-264.	0.4	0
30	Reduced order models for diffusion systems. International Journal of Control, 2001, 74, 1543-1557.	1.9	11
31	Reduced order models for diffusion systems using singular perturbations. Energy and Buildings, 2001, 33, 769-781.	6.7	11
32	Reduced Order Models for Diffusion Systems via Collocation Methods. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 977-982.	0.4	5