

Jean LÃ©vine

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

3,227
citations

840119

11
h-index

839053

18
g-index

20
all docs

20
docs citations

20
times ranked

1303
citing authors

#	ARTICLE	IF	CITATIONS
1	Epidemic management with admissible and robust invariant sets. PLoS ONE, 2021, 16, e0257598.	1.1	8
2	On singularities of flat affine systems with n states and $n+1$ controls. International Journal of Robust and Nonlinear Control, 2020, 30, 3547-3565.	2.1	1
3	Maintaining Hard Infection Caps in Epidemics via the Theory of Barriers. IFAC-PapersOnLine, 2020, 53, 16100-16105.	0.5	6
4	On the Choice of Multiple Flat Outputs for Fault Detection and Isolation of a Flat System. IFAC-PapersOnLine, 2020, 53, 718-723.	0.5	2
5	Intrinsic and apparent singularities in differentially flat systems, and application to global motion planning. Systems and Control Letters, 2018, 113, 117-124.	1.3	12
6	Barriers and potentially safe sets in hybrid systems: Pendulum with non-rigid cable. Automatica, 2016, 73, 248-255.	3.0	7
7	Flatness for linear fractional systems with application to a thermal system. Automatica, 2015, 57, 213-221.	3.0	13
8	On the computation of \mathbb{R} -flat outputs for linear time-varying differential-delay systems. Systems and Control Letters, 2014, 71, 14-22.	1.3	7
9	On Barriers in State and Input Constrained Nonlinear Systems. SIAM Journal on Control and Optimization, 2013, 51, 3208-3234.	1.1	20
10	On necessary and sufficient conditions for differential flatness. Applicable Algebra in Engineering, Communications and Computing, 2011, 22, 47-90.	0.3	139
11	Active control of a dynamically positioned vessel for the installation of subsea structures. Mathematical and Computer Modelling of Dynamical Systems, 2011, 17, 71-84.	1.4	11
12	Analysis and Control of Nonlinear Systems. , 2009, , .		230
13	Towards a computer algebraic algorithm for flat output determination. , 2008, , .		13
14	Control of the Toycopter Using a Flat Approximation. IEEE Transactions on Control Systems Technology, 2008, 16, 882-896.	3.2	12
15	On Motion Planning for Robotic Manipulation with Permanent Rolling Contacts. International Journal of Robotics Research, 2002, 21, 443-461.	5.8	25
16	A remark on nonlinear accessibility conditions and infinite prolongations. Systems and Control Letters, 1997, 31, 77-83.	1.3	15
17	Flatness and defect of non-linear systems: introductory theory and examples. International Journal of Control, 1995, 61, 1327-1361.	1.2	2,614
18	Differential flatness and defect: an overview. Banach Center Publications, 1995, 32, 209-225.	0.1	4

#	ARTICLE	IF	CITATIONS
19	Index of an implicit time-varying linear differential equation: a noncommutative linear algebraic approach. <i>Linear Algebra and Its Applications</i> , 1993, 186, 59-71.	0.4	22
20	Generalized state variable representation for a simplified crane description. <i>International Journal of Control</i> , 1993, 58, 277-283.	1.2	66