

D J N Limebeer

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,261
citations

687363

13
h-index

713466

21
g-index

28
all docs

28
docs citations

28
times ranked

404
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal tyre management for a high-performance race car. <i>Vehicle System Dynamics</i> , 2022, 60, 1-19.	3.7	13
2	Minimum-lap-time optimisation and simulation. <i>Vehicle System Dynamics</i> , 2021, 59, 1069-1113.	3.7	22
3	Curved-ribbon-based track modelling for minimum lap-time optimisation. <i>Meccanica</i> , 2021, 56, 2139-2152.	2.0	14
4	Optimal control of a road racing motorcycle on a three-dimensional closed track. <i>Vehicle System Dynamics</i> , 2020, 58, 1285-1309.	3.7	9
5	<i>Dynamics and Optimal Control of Road Vehicles.</i> , 2018, , .		43
6	Motion cueing in high-performance vehicle simulators. <i>Vehicle System Dynamics</i> , 2017, 55, 775-801.	3.7	4
7	Optimal tyre usage for a Formula One car. <i>Vehicle System Dynamics</i> , 2016, 54, 1448-1473.	3.7	29
8	Optimal Control of a Formula One Car on a Three-Dimensional Track – Part 2: Optimal Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015, 137, .	1.6	46
9	Relaminarisation of Re ≈ 100 channel flow with globally stabilising linear feedback control. <i>Physics of Fluids</i> , 2011, 23, 125105.	4.0	34
10	The stability of motorcycles under acceleration and braking. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2001, 215, 1095-1109.	2.1	48
11	The stability of motorcycles under acceleration and braking. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2001, 215, 1095-1109.	2.1	37
12	Direct reduced order discretization of continuous-time controller. <i>International Journal of Robust and Nonlinear Control</i> , 1999, 9, 143-155.	3.7	8
13	A State-Space Algorithm for the Solution of the 2-Block Superoptimal Distance Problem. <i>SIAM Journal on Control and Optimization</i> , 1993, 31, 1115-1134.	2.1	13
14	A State-Space Algorithm for the Superoptimal Hankel-Norm Approximation Problem. <i>SIAM Journal on Control and Optimization</i> , 1993, 31, 960-982.	2.1	10
15	Nash games and mixed H 2 /H ∞ control. , 1992, , 210-217.		4
16	A Characterization of All Solutions to the Four Block General Distance Problem. <i>SIAM Journal on Control and Optimization</i> , 1991, 29, 283-324.	2.1	194
17	Simplifying the H ∞ theory via loop-shifting, matrix-pencil and descriptor concepts. <i>International Journal of Control</i> , 1989, 50, 2467-2488.	1.9	267
18	State-space algorithm for the computation of superoptimal matrix interpolating functions. <i>International Journal of Control</i> , 1989, 50, 2431-2466.	1.9	35

#	ARTICLE	IF	CITATIONS
19	A Controller Degree Bound for H^∞ -Optimal Control Problems of the Second Kind. SIAM Journal on Control and Optimization, 1988, 26, 646-677.	2.1	38
20	H^∞ -controller degree bounds by interpolation theory. , 1987, , .		0
21	Synthesis of positive real multivariable feedback systems. International Journal of Control, 1987, 45, 817-842.	1.9	198
22	An Analysis of the Pole-Zero Cancellations in H^∞ -Optimal Control Problems of the First Kind. SIAM Journal on Control and Optimization, 1987, 25, 1457-1493.	2.1	71
23	Hankel model reduction without balancing-A descriptor approach. , 1987, , .		39
24	H^∞ optimal control of a synchronous turbo-generator. , 1986, , .		11
25	Robust stability of additively perturbed interconnected systems. , 1983, , .		0
26	An inclusion region for the eigenvalues of partitioned matrices. International Journal of Control, 1983, 37, 429-436.	1.9	5
27	A Frequency Response Design Technique for Decentralized Control Systems. , 1983, , .		0
28	The application of generalized diagonal dominance to linear system stability theory. International Journal of Control, 1982, 36, 185-212.	1.9	69