Beatriz Ricarte

List of Publications by Year
in descending order

22 papers	205 citations	1163117 8 h-index	1058476 14 g-index
22 all docs	22 docs citations	22 times ranked	200 citing authors

#	ARTICLE	IF	CITATIONS
1	A direct method to obtain a realization of a polynomial matrix and its applications. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2020, 114, 1.	1.2	1
2	Sliding-mode disturbance observers for an artificial pancreas without meal announcement. Journal of Process Control, 2019, 78, 68-77.	3.3	21
3	Insulin Estimation and Prediction: A Review of the Estimation and Prediction of Subcutaneous Insulin Pharmacokinetics in Closed-Loop Glucose Control. IEEE Control Systems, 2018, 38, 47-66.	0.8	49
4	Real-time estimation of plasma insulin concentration from continuous glucose monitor measurements. Computer Methods in Biomechanics and Biomedical Engineering, 2016, 19, 934-942.	1.6	21
5	Monotonicity-based guaranteed prediction for glucose control and supervision under intra-patient variability. , 2015, , .		0
6	Full rank factorization in quasi- LDU form of totally nonpositive rectangular matrices. Linear Algebra and Its Applications, 2014, 440, 61-82.	0.9	5
7	Modelling big game populations when hunting is age and sex selective. Mathematical and Computer Modelling, 2013, 57, 1744-1750.	2.0	1
8	Guaranteed computation methods for compartmental in-series models under uncertainty. Computers and Mathematics With Applications, 2013, 66, 1595-1605.	2.7	3
9	Quasi- LDU factorization of nonsingular totally nonpositive matrices. Linear Algebra and Its Applications, 2013, 439, 836-851.	0.9	4
10	On the computation of output bounds for compartmental in-series models under parametric uncertainty. Biomath, 2012, 1, .	0.7	2
11	On the prediction of glucose concentration under intra-patient variability in type 1 diabetes: A monotone systems approach. Computer Methods and Programs in Biomedicine, 2012, 108, 993-1001.	4.7	11
12	Characterizations of rectangular totally and strictly totally positive matrices. Linear Algebra and Its Applications, 2010, 432, 2623-2633.	0.9	6
13	Full rank factorization in echelon form of totally nonpositive (negative) rectangular matrices. Linear Algebra and Its Applications, 2009, 431, 2213-2227.	0.9	10
14	A dynamic nitrogen uptake and mobilization model for young evergreen trees. Mathematical and Computer Modelling, 2009, 50, 939-946.	2.0	3
15	On Positivity of Discrete-Time Singular Systems and the Realization Problem. Lecture Notes in Control and Information Sciences, 2009, , 251-258.	1.0	1
16	LDU Factorization of Nonsingular Totally Nonpositive Matrices. SIAM Journal on Matrix Analysis and Applications, 2008, 30, 777-782.	1.4	17
17	Positive Realizations of Transfer Matrices With Real Poles. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2007, 54, 517-521.	2.2	5
18	Modelling nitrogen dynamics in citrus trees. Mathematical and Computer Modelling, 2003, 38, 975-987.	2.0	9

#	Article	IF	Citations
19	Title is missing!. Euphytica, 2001, 119, 357-367.	1.2	28
20	On Positive Realizations of Irreducible Transfer Matrices. , 0, , 41-48.		2
21	Full rank factorization and the Flanders Theorem. Electronic Journal of Linear Algebra, 0, 18, .	0.6	3
22	Some characterizations of totally nonpositive (totally negative) matrices. Electronic Journal of Linear Algebra, 0, 20, .	0.6	3