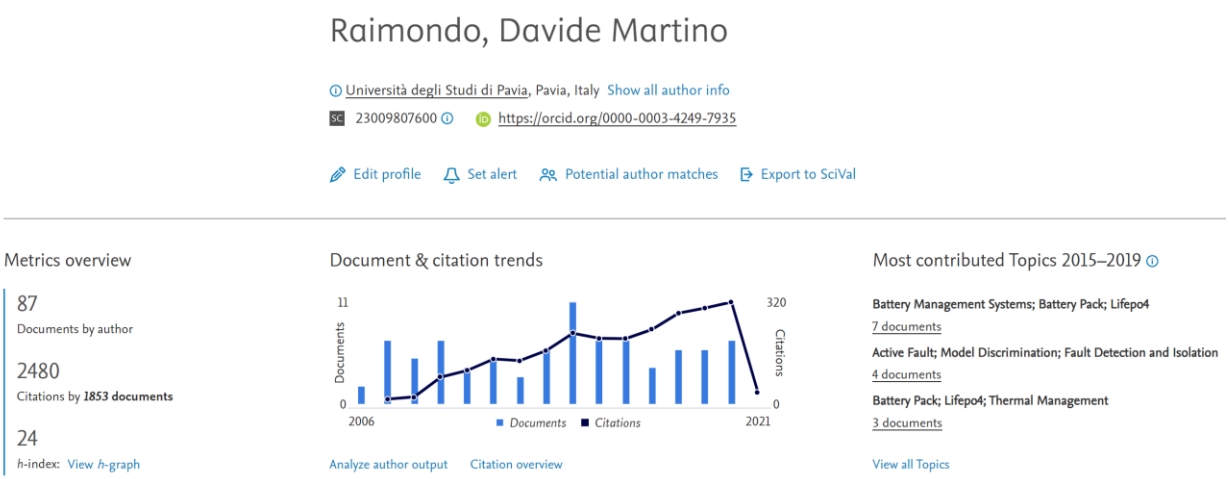
List of Publications and Patents
Davide M. Raimondo

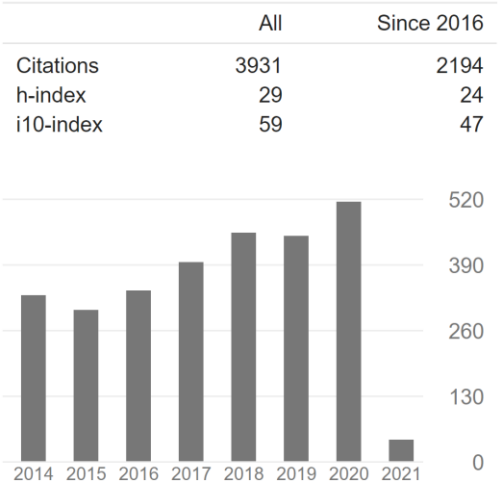
BIBLIOMETRIC PROFILE

Davide M. Raimondo currently (February 09, 2021) has an h index of 24 (Scopus) - 29 (Google Scholar) and a number of citations equal to 2480 (Scopus) - 3931 (Google Scholar). [1] He is editor of one book, author or co-author of 34 refereed journals, 4 book chapters, 63 conference proceedings and 1 patent.

Scopus profile



Google Scholar profile



[1] According to Google Scholar Metrics, the top journals in the field of Automation & Control Theory are Automatica (impact factor 6.355) and IEEE Transactions on Automatic Control (impact factor 5.093).

PUBLICATIONS AND PATENTS

	Citations	
Books	**Scopus**	**Scholar Google**
1. L. Magni, D.M. Raimondo, F. Allgower (EDS), **Nonlinear model predictive control: Towards new challenging applications**, Springer Lecture Notes in Control and Information Sciences series, vol. 384, 2009		205

	Citations		
International Journals	**Scopus**	**Scholar Google**	**I.F.**[2]
1. B.S. Rego, J.K. Scott, D.M. Raimondo, G.V. Raffo, **Set-valued state estimation based on constrained zonotopes of nonlinear discrete-time systems with state equality constraints,** Automatica, in press			6.355
2. M. Rubagotti, G. P. Incremona, D. M. Raimondo, A. Ferrara, **Constrained Nonlinear Discrete-Time Sliding Mode Control Based on a Receding Horizon Approach,** IEEE Transactions on Automatic Control, in press			5.093
3. A. Pozzi, M. Zambelli, A. Ferrara, D.M. Raimondo, **Balancing-Aware Charging Strategy For Series-Connected Lithium-Ion Cells: A Nonlinear Model Predictive Control Approach**, IEEE Transactions on Control Systems Technology, 28 (5), 1862-1877, 2020			4.883
4. A. Pozzi, M. Torchio, R.D. Braatz, D.M. Raimondo, **Optimal Charging of an Electric Vehicle Battery Pack: a Real-Time Sensitivity-Based MPC,** Journal of Power Sources, 461, 228133, 2020			7.467
5. B.S. Rego, G.V. Raffo, J.K. Scott, D.M. Raimondo **New methods for set-valued state estimation of nonlinear discrete-time systems,** Automatica, 111, 108614, 2020			6.355
6. F. Boem, A.J. Gallo, D.M. Raimondo and T. Parisini, **Distributed Fault-Tolerant Control of Large-Scale Systems: an Active Fault Diagnosis Approach,** IEEE Transactions on Control of Network Systems, 7(1),8700304, pp. 288-301, 2020		2	4.802
7. G. Galuppini, R. Rolfi, C. Toffanin, D.M. Raimondo, Y. Xia, G. Ferrante, L. Magni, **Towards a Model-Based Field-Frequency Lock for NMR: Experimental Validation,** Applied Magnetic Resonance, 1-23, 2019		1	0.780
8. I.D. Campbell, K. Gopalakrishnan, M. Marinescu, M. Torchio, G.J. Offer and D.M. Raimondo, **Modelled Optimal Layer Configuration of Lithium-ion Cells: Fast Charging, Plating Avoidance & Common Module Design for Electric Vehicles,** Journal of Energy Storage, 22, 228-238, 2019	7	12	3.517

[2] Impact factor of the journal.

9. A. Pozzi, G. Ciaramella, S. Volkwein, D.M. Raimondo, **Optimal design of experiments for a lithium-ion cell: parameters identification of a single particle model with electrolyte dynamics,** Industrial & Engineering Chemistry Research, 58 (3), 1286–1299, 2019	2	7	3.375
10. G. Galuppini, L. Magni, D.M. Raimondo, **Model Predictive Control of Systems with Actuators Subject to Dead-Zone and Saturation: Robustness Analysis and Experimental Validation,** Control Engineering Practice, 78, 56–64, 2018	5	8	3.232
11. M. Torchio, L. Magni, R.D. Braatz, D.M. Raimondo, **Design of Piecewise Affine and Linear Time Varying based Model Predictive Control Strategies for Advanced Battery Management Systems**, Journal of Electrochemical Society, 164 (4), A949-A959, 2017	8	11	3.120
12. G.R. Marseglia, D.M. Raimondo, **Active fault diagnosis: a multi-parametric approach,** Automatica, 79, 223-230, 2017	17	20	6.355
13. D.M. Raimondo, G.R, Marseglia, R.D. Braatz, J.K. Scott**, Closed-Loop Input Design for Guaranteed Fault Diagnosis using Set-Valued Observers,** Automatica, 74, 107-117, 2016	32	36	6.355
14. M. Torchio, L. Magni, B. Gopaluni, R.D. Braatz, and D.M. Raimondo, **LIONSIMBA - a Matlab framework based on a finite volume model suitable for Li-ion battery design, simulation, and control,** Journal of Electrochemical Society, 163 (7), A1192-A1205, 2016	39	58	3.120
15. J.K. Scott, D.M. Raimondo, G.R. Marseglia, R.D. Braatz, **Constrained Zonotopes: A New Tool for Set-Based Estimation and Fault Detection,** Automatica, 69, 126-136, 2016	49	64	6.355
16. D.M. Raimondo, M. Rubagotti, C.N. Jones, L. Magni, A. Ferrara, M. Morari**, Multirate sliding mode disturbance compensation for model predictive control,** International Journal of Robust and Nonlinear Control, 25(16), 2984-3003, 2015	13	20	3.953
17. N. Kariotoglou, D.M. Raimondo, S. Summers, J. Lygeros, **Design of intelligent surveillance systems using stochastic reachability and hierarchical task allocation,** Journal of Dynamic Systems, Measurement, and Control, 137(3), 031008, 2015	7	17	1.466
18. H. Zisser, E. Renard, B. Kovatchev, C. Cobelli, A. Avogaro, R. Nimri, B.A. Buckingham, H.P. Chase, F.J. Doyle III, J. Lum, P. Calhoun, C. Kollman, E. Dassau, A. Farret, J. Place, M. Breton, C. Dalla Man, S. Del Favero, D. Bruttomesso, A. Filippi, R. Scotton, L. Magni, C. Toffanin, D.M. Raimondo, G. De Nicolao, M. Phillip, E. Atlas, I. Muller, S. Miller, R.W. Beck, Control to Range Study Group, **Multi-center Closed-Loop Insulin Delivery Study Identifies Challenges for Keeping Blood Glucose in a Safe Range by a Control Algorithm in Adults and Adolescents with Type 1 Diabetes From Various Sites,** Diabetes Technology and Theurapeutics**,** 16 (10), 613-622, 2014	28	44	4.488
19. H.P. Chase, F.J. Doyle, III, H. Zisser, E. Renard, R. Nimri, C. Cobelli, B.A. Buckingham, D.M. Maahs, S. Anderson, L. Magni, J. Lum, P. Calhoun, C. Kollman, R.W. Beck, Control to Range Study Group, **Multicenter closed-loop/hybrid meal bolus insulin delivery with type 1 diabetes,** Diabetes Technology and Theurapeutics**,** 16 (10), 623–632, 2014	30		4.488

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21. J. K. Scott, R. Findeisen, R. D. Braatz, D. M. Raimondo, **Input Design for Guaranteed Fault Diagnosis Using Zonotopes,** Automatica, 50(6),1580-1589, 2014	72	85	6.355
22. M. N. Zeilinger, D. M. Raimondo, A. Domahidi, M. Morari, C. N. Jones, **On Real-time Robust Model Predictive Control**, Automatica, 50(3), 683-694, 2014	54	92	6.355
23. D. Axehill, T. Besselmann, D. M. Raimondo, M. Morari, **A Parametric Branch and Bound Approach to Suboptimal Explicit Hybrid MPC**, Automatica, 50(1), 240-246, 2014	25	42	6.355
24. F. Tedesco, D. M. Raimondo, A. Casavola, **Collision avoidance command governor for multi-vehicle unmanned systems,** International Journal of Robust and Nonlinear Control (IJRNC), 24(16), 2309–2330, 2014	10	15	3.953
25. M. Rubagotti, D.M. Raimondo, A. Ferrara and L. Magni, **Robust model predictive control with integral sliding mode in continuous-time sampled-data nonlinear systems**. IEEE Transactions on Automatic Control, 56(3), 556-570, 2011	93	119	5.093
26. L. Magni, D. M. Raimondo, C. Dalla Man, G. De Nicolao, B. Kovatchev, C. Cobelli, **Model Predictive Control of glucose concentration in type I diabetic patients: an in silico trial**, Biomedical Signal Processing and Control, 4(4), 338-346, 2009 (invited contribution)	130	175	2.943
27. G. Pin, D. M. Raimondo, L. Magni, T. Parisini, **Robust Model Predictive Control of Nonlinear Systems with Bounded and State-Dependent Uncertainties**, IEEE Transactions on Automatic Control, 54(7), 1681-1687, 2009	61	95	5.093
28. D. M. Raimondo, D. Limon, M. Lazar, L. Magni and E. F. Camacho, **Min-max model predictive control of nonlinear systems: a unifying overview on stability**, European Journal of Control, 15(1), 5-21, 2009	103	162	1.549
29. L. Magni, D. M. Raimondo, C. Dalla Man, M. Breton, S. Patek, G. de Nicolao, C. Cobelli, and B. Kovatchev. **Evaluating the efficacy of closed-loop glucose regulation via control-variability grid analysis (CVGA).** Journal of Diabetes Science and Technology, 2(4), 630-635, 2008	139	184	2.06
30. E. Franco, L. Magni, T. Parisini, M. M. Polycarpou and D. M. Raimondo, **Cooperative Constrained Control of Distributed Agents with Nonlinear Dynamics and Delayed Information Exchange: a Stabilizing Receding Horizon Approach**, IEEE Transactions on Automatic Control, 53(1), 324-338, 2008	128	176	5.093
31. L. Magni, D. M. Raimondo, L. Bossi, C. Dalla Man, G. De Nicolao, B. Kovatchev and Claudio Cobelli, **Model Predictive Control of type 1 diabetes: an in silico trial**, Journal of Diabetes Science and Technology, 1(6), 804-812, 2007	221	301	2.06

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33. C. Dalla Man, D. M. Raimondo, R. A. Rizza, C. Cobelli, **GIM, Simulation Software of Meal Glucose–Insulin Model**, Journal of Diabetes Science and Technology, 1(3), 323-330, 2007	158	268	2.06
34. L. Magni, D. M. Raimondo and R. Scattolini, **Regional Input-to-state Stability for Nonlinear Model Predictive Control**, IEEE Transactions on Automatic Control, 51(9), 1548-1553, 2006	125	175	5.093

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1. Magni L., G. De Nicolao, D. M. Raimondo, C. Dalla Man and C. Cobelli **Predictive Control Based System And Method For Control Of Insulin Delivery In Diabetes Using Glucose Sensing,** US Patent App. 12/740,275, 2010		45

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1. F. Tedesco, D. M. Raimondo, A. Casavola, **A distributed reference management scheme in presence of non-convex constraints: an MPC based approach,** Intelligent Systems, Control and Automation: Science and Engineering 69, 243-257, 2014	2	3
2. D. M. Raimondo, S. Riverso, S. Summers, C.N. Jones, J. Lygeros, M. Morari, **A set theoretic method for verifying feasibility of a fast explicit nonlinear Model Predictive Controller**, Lecture Notes in Control and Information Sciences, 417, 289-311, 2012	7	14
3. D. M. Raimondo, D. Limon, T. Alamo and L. Magni, **Robust Model Predictive Control Algorithms for Nonlinear Systems: an Input-to-State Stability Approach,** Model Predictive Control, Tao Zheng (Ed.), ISBN: 978-953-307-102-2, Sciyo, 2010		10
4. D. Limon, T. Alamo, D. M. Raimondo, J. M. Bravo, D. Munoz de la Pena, A. Ferramosca and E. F. Camacho, **Input-to-State Stability: an unifying framework for Robust Model Predictive Control**, Nonlinear Model Predictive Control, LNCIS 384, pp. 1-26, 2009	113	194

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International Conferences	**Scopus**	**Scholar Google**
1. B. Zoghdar-Moghadam-Shahrekohne, A. Pozzi, D.M. Raimondo, **SOS-based Stability Region Enlargement of Bilinear Power Converters through Model Predictive Control**, MED21, accepted		
2. D. Locatelli, B.S. Rego, G.V. Raffo, D.M. Raimondo, **Interval state estimation based on constraint propagation for a lithium-ion cell using an equivalent circuit model**, ADCHEM 2021, accepted		

3. A. Pozzi, S. Bae, Y. Choi, F. Borrelli, D.M. Raimondo, S. Moura, **Ecological Velocity Planning through Signalized Intersections: A Deep Reinforcement Learning Approach**, CDC 2020		
4. S. Park, A. Pozzi, M. Whitmeyer, D. M. Raimondo, W.T. Joe, S. Moura, **Reinforcement Learning-based Fast Charging Control Strategy for Li-ion Batteries**, CCTA 2020		
5. A. Pozzi, X. Xie, D.M. Raimondo, R. Schenkendorf, **Global Sensitivity Methods for Optimal Experimental Design in Lithium-ion Battery Context,** IFAC 2020		
6. B.S. Rego, D. M. Raimondo, G.V. Raffo, **Set-based state estimation and fault diagnosis of linear discrete-time descriptor systems using constrained zonotopes**, IFAC 2020		
7. Mosca, C.I. Vasile, C. Belta, D.M. Raimondo, **Multi-robot routing and scheduling with temporal logic and synchronization constraints**, 2nd IEEE International Conference on Control and Robot (ICCR) 2019		
8. A. Pozzi, G. Ciaramella, K. Gopalakrishnan, S. Volkwein, D.M. Raimondo, **Optimal design of experiment for parameter estimation of a Single Particle Model for lithium-ion batteries**, CDC 2018		1
9. B. Rego, D. M. Raimondo, G. V. Raffo, **Path Tracking Control with State Estimation based on Constrained Zonotopes for Aerial Load Transportation**, CDC 2018		1
10. A. Mosca, A. Pozzi, D.M. Raimondo, **Stochastic Optimal Power Flow in islanded grids with renewable penetration, energy storage systems and possible curtailments**, ICSTCC 2018		
11. A. Pozzi, M. Torchio, D.M. Raimondo, **Assessing the performance of model-based energy saving charging strategies in Li-ion cells,** CCTA 2018		2
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13. B. Santana Rego, D.M. Raimondo, G.V. Raffo, **Set-based state estimation of nonlinear systems using constrained zonotopes and interval arithmetic**, ECC '18	2	2
14. G. R. Marseglia, D. M. Raimondo, L. Magni, A. Mesbah, **A Probabilistic Framework for Reference Design for Guaranteed Fault Diagnosis under Closed-loop Control,** CDC 2017	1	1
15. G. Galuppini, C. Toffanin, D.M. Raimondo, A. Provera, X. Yong, R. Rolfi, G. Ferrante, L. Magni, **Towards a Model-Based Field-Frequency Lock for NMR**, IFAC WC 2017	1	2
16. F. Acerbi, C. De Luca, G. De Nicolao, D.M. Raimondo, **Black-box identification for efficient chiller management in an SM plant,** 17th European Advanced Process Control and Manufacturing Conference		
17. S. Lucia, M. Torchio, D.M. Raimondo, R. Klein, R.D. Braatz, R. Findeisen, **Towards adaptive health-aware charging of Li-ion batteries: a real-time predictive control approach using first-principles models,** ACC 2017	5	7

18. M. Torchio, L. Magni, R.D. Braatz, D.M. Raimondo, **Optimal Charging of a Li-ion Cell: A Hybrid Model Predictive Control Approach,** CDC 2016	5	8
19. D.M. Raimondo, F. Boem, A. Gallo, T. Parisini, **A Decentralized Fault-Tolerant Control scheme based on Active Fault Diagnosis**, CDC 2016	7	11
20. F. Acerbi, S. Grassi, D.M. Raimondo, **Wind Farm Layout Optimization on a Discretized 3D domain,** WindEurope Summit 2016, accepted for poster presentation		
21. L.C. Foguth, R.D. Braatz, D.M. Raimondo, **Active fault diagnosis for hybrid systems,** MTNS 2016		1
22. M. Torchio, L. Magni, R.D. Braatz, and D.M. Raimondo, **Optimal Health-aware Charging Protocol for Lithium-ion Batteries: A Fast Model Predictive Control Approach,** DYCOPS-CAB 2016	8	11
23. M. Torchio, C. Ocampo-Martinez, L. Magni, M. Serra, R.D. Braatz and D.M. Raimondo, **Fast Model Predictive Control for Hydrogen Outflow Regulation in Ethanol Steam Reformers,** ACC 2016	2	2
24. L.C. Foguth, J.A. Paulson, R.D. Braatz, and D.M. Raimondo, **Fast Robust Model Predictive Control of High-dimensional Systems**, ECC 2015	1	1
25. M. Torchio, N.A. Wolff, D.M. Raimondo, L. Magni, U. Krewer, B. Gopaluni, J. Paulson, R.D. Braatz, **Real-time Model Predictive Control for the Optimal Charging of a Lithium-ion Battery**, ACC 2015	33	45
26. G.R. Marseglia, A. Arbasini, S. Grassi, M. Raubal, D.M. Raimondo, **Optimal placement of wind turbines on a continuous domain: an MILP-based approach**, ACC 2015	4	5
27. M. Torchio, L. Magni, D.M. Raimondo, **A mixed integer SDP approach for the optimal placement of energy storage devices in power grids with renewable penetration**, ACC 2015	7	13
28. J.A. Paulson, D.M. Raimondo, R. Findeisen, R.D. Braatz, S. Streif, **Active Fault Diagnosis for Uncertain Nonlinear Systems,** ECC 2014	10	12
29. G.R. Marseglia, J.K. Scott, L. Magni, R.D. Braatz, D.M. Raimondo, **A Hybrid Stochastic-Deterministic Approach For Active Fault Diagnosis Using Scenario Optimization,** IFAC WC 2014	7	14
30. J.K. Scott, G.R. Marseglia, L. Magni, R.D. Braatz, D.M. Raimondo, **A Hybrid Stochastic-Deterministic Input Design Method for Active Fault Diagnosis**, CDC 2013	12	18
31. D.M. Raimondo, G.R. Marseglia, R.D. Braatz, J.K. Scott, **Fault-Tolerant Model Predictive Control with Active Fault Isolation,** SysTol 2013	28	43
32. D.M. Raimondo, R.D. Braatz, J.K. Scott, **Active Fault Diagnosis using Moving Horizon Input Design,** ECC 2013	23	32
33. N. Kariotoglou, S. Summers, D. M. Raimondo, **Hierarchical task allocation for multi-agent systems encoded by stochastic reachability specifications,** ECC 2013	1	1

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35. J. K. Scott, R. Findeisen, R. D. Braatz, D. M. Raimondo, **Design of Active Inputs for Set-Based Fault Diagnosis,** ACC 2013	25	33
36. S.M. Huck, N. Kariotoglou, S. Summers, D.M. Raimondo, J. Lygeros, **Design of importance-map based randomized patrolling strategies,** Complexity in Engineering (COMPENG), 2012, pp. 1—6, 2012	4	8
37. D.M. Raimondo, O. Huber, M. Schulze Darup, M. Mönnigmann, M. Morari, **Constrained time-optimal control for nonlinear systems: a fast explicit approximation,** NMPC'12, 2012	2	9
38. N. Kariotoglou, D. M. Raimondo, S. Summers, and J. Lygeros, **A stochastic reachability framework for autonomous surveillance with pan-tilt-zoom cameras**, CDC 2011, pp. 1411--1416, 2011	9	17
39. D. M. Raimondo, N. Kariotoglou, S. Summers, and J. Lygeros, **Probabilistic certification of pan-tilt-zoom camera surveillance systems**, CDC 2011, pp. 2064—2069, 2011	8	15
40. D. Axehill, T. Besselmann, D. M. Raimondo and M. Morari, **Suboptimal Explicit Hybrid MPC via Branch and Bound**, IFAC WC 2011, Milano	6	8
41. D. M. Raimondo, S. Riverso, C. N. Jones and M. Morari, **A robust explicit nonlinear MPC controller with input-to-state stability guarantees**, IFAC WC 2011, Milano	8	13
42. M. Rubagotti, D. M. Raimondo, C. N. Jones, L. Magni, A. Ferrara and M. Morari, **A Nonlinear Model Predictive Control Scheme with Multirate Integral Sliding Mode**, 8th IFAC Symposium on Nonlinear Control Systems, Bologna, September 2010	2	2
43. S. Summers, D. M. Raimondo, C.N. Jones, J. Lygeros, M. Morari, **Fast explicit nonlinear model predictive control via multiresolution function approximation with guaranteed stability,** 8th IFAC Symposium on Nonlinear Control Systems, Bologna, September 2010	18	30
44. F. Tedesco, D. M. Raimondo, A. Casavola, J. Lygeros, **Distributed collision avoidance for interacting vehicles: a command governor approach,** 2nd IFAC Workshop on Estimation and Control of Networked Systems (NecSys'10), September 2010, Annecy, France	15	24
45. D. M. Raimondo, S. Gasparella, D. Sturzenegger, J. Lygeros, M. Morari, **A tracking algorithm for PTZ cameras,** 2nd IFAC Workshop on Estimation and Control of Networked Systems, September 2010, Annecy, France	10	16
46. M. N. Zeilinger, C. N. Jones, D. M. Raimondo, M. Morari, **Real-time MPC - Stability through Robust MPC design,** CDC'09	20	35
47. D. M. Raimondo, P. Hokayem, J. Lygeros, M. Morari, **An iterative decentralized MPC algorithm for large-scale nonlinear systems,** 1st IFAC Workshop on Estimation and Control of Networked Systems (NecSys'09), 24-26 September 2009, Venice, Italy	8	11

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49. D. Limon, T. Alamo, D. M. Raimondo, J. M. Bravo, D. Munoz de la Pena and E. F. Camacho, **Input-to-State Stability: an unifying framework for Robust Model Predictive Control**, International Workshop on Assessment and future directions of NMPC (Keynote), September 5-9, 2008, Pavia, Italy		
50. L. Magni, D. M. Raimondo, S. Riverso, C. Dalla Man, G. De Nicolao and C. Cobelli **Nonlinear model predictive control of glucose concentration for Type-1 diabetic patients,** International Workshop on Assessment and future directions of NMPC, September 5-9, 2008, Pavia, Italy		
51. M. Rubagotti, D. M. Raimondo, A. Ferrara and L. Magni, **Robust nonlinear MPC with integral sliding mode for systems with matched disturbances,** International Workshop on Assessment and future directions of NMPC, September 5-9, 2008, Pavia, Italy		2
52. L. Magni, D. M. Raimondo, C. Dalla Man, G. De Nicolao, B. Kovatchev and C. Cobelli, **Model Predictive Control of glucose concentration in subjects with type 1 diabetes: an in silico trial**, 17th IFAC World Congress July 6-11, 2008, Seoul, Korea	17	31
53. B. Kovatchev, D. M. Raimondo, M. Breton, S. Patek and C. Cobelli, **In Silico Testing and in Vivo Experiments with Closed-Loop Control of Blood Glucose in Diabetes**, 17th IFAC World Congress July 6-11, 2008, Seoul, Korea	3	7
54. G. Pin, L. Magni, T. Parisini, D. M. Raimondo, **Robust Receding-Horizon Control of Nonlinear Systems with State Dependent Uncertainties: an Input-to-State Stability Approach**, 2008 American Control Conference, June 11-13, 2008, Westin Seattle Hotel, Seattle, Washington, USA	14	18
55. D. M. Raimondo, L. Magni, G. De Nicolao, C. Dalla Man and C. Cobelli, **Assessing the effect of sc insulin absorbtion delay on closed-loop glucose control**, 27th Workshop of the AIDPIT Study Group, 2nd European Diabetes Technology and Transplantation Meeting (EuDTT), Innsbruck-Igls / Austria, Jan 27-29, 2008		
56. D. M. Raimondo, T. Alamo, D. Limon and E. F. Camacho, **Towards the practical implementation of Min-Max Nonlinear Model Predictive Control,** 46th IEEE Conference on Decision and Control, New Orleans, LA, USA, December 12- 14 2007	10	15
57. D. M. Raimondo, L. Magni, C. Dalla Man, G. De Nicolao, B. Kovatchev and C. Cobelli, **Closed-loop control of glucose concentration in subjects with type 1 diabetes**, Diabetes Technology Society, Seventh Annual Meeting, San Francisco Airport Hyatt Regency Hotel, October 25-27, 2007		
58. D. M. Raimondo, L. Magni and R. Scattolini, **Decentralized Open-Loop MPC of Nonlinear Systems: an Input-to-State Stability Approach**, European Control Conference 2007, Kos, Greece 2-5 July 2007	2	2

59. D. M. Raimondo, L. Magni and R. Scattolini, **A Decentralized MPC Algorithm for Nonlinear Systems,** NOLCOS 2007, Pretoria, South Africa, August 2007		
60. D. M. Raimondo, D. Limon, M. Lazar, L. Magni and E. F. Camacho, **Regional Input-to-State Stability of Min-Max Model Predictive Control,** NOLCOS 2007, Pretoria, South Africa, August 2007	1	2
61. L. Magni, C. Dalla Man, D. M. Raimondo, G. De Nicolao, B. Kovatchev and C. Cobelli, **NMPC of glucose concentration in subjects with type 1 diabetes, Nonlinear Model Based Control** - Software and applications (NMPC - SOFAP, 2007), April 19-20, Loughborough, UK, 2007		
62. L. Magni, D. M. Raimondo and R. Scattolini, **Input-to-state Stability for Nonlinear Model Predictive Control**, 45th IEEE Conference on Decision and Control, San Diego, California USA, December 13-15, 2006	9	14
63. D. M. Raimondo and L. Magni, **A Robust Model Predictive Control Algorithm for Nonlinear Systems with a Low Computational Burden**, IFAC Workshop on Nonlinear Model Predictive Control for Fast Systems 2006, Grenoble, France, Oct 9-11, 2006		10

Submitted

1. B.S. Rego, S.G. Vrachimis, M.M. Polycarpou, G.V. Raffo and D.M. Raimondo**, State estimation and leakage detection of water distribution systems using constrained zonotopes,** submitted to IEEE TCST
2. S. Park, A. Pozzi, M. Whitemeyer, H. Perez, A. Kandel, G. Kim, Y. Choi, W.T. Joe, D.M. Raimondo, S. Moura, **A Deep Reinforcement Learning Framework for Fast Charging of Li-ion Batteries,** submitted to Applied Energy
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