

Roy S Smith

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

167
papers

2,062
citations

21
h-index

40
g-index

184
ext. papers

2,647
ext. citations

3.1
avg. IF

5.49
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 167 | Physics-informed linear regression is competitive with two Machine Learning methods in residential building MPC. <i>Applied Energy</i> , 2022 , 310, 118491 | 10.7 | 2 |
| 166 | Distributed model predictive control of buildings and energy hubs. <i>Energy and Buildings</i> , 2022 , 259, 111806 | 10.7 | 1 |
| 165 | Robust MPC with data-driven demand forecasting for frequency regulation with heat pumps. <i>Control Engineering Practice</i> , 2022 , 122, 105101 | 3.9 | 0 |
| 164 | Stochastic Energy Pricing of an Electric Vehicle Parking Lot. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1 | 10.7 | 2 |
| 163 | Stochasticity in Feedback Loops: Great Expectations and Guaranteed Ruin. <i>IEEE Control Systems</i> , 2021 , 41, 28-44 | 2.9 | 0 |
| 162 | Electricity in the air: Insights from two decades of advanced control research and experimental flight testing of airborne wind energy systems. <i>Annual Reviews in Control</i> , 2021 , 52, 330-330 | 10.3 | 16 |
| 161 | Convex Nonparametric Formulation for Identification of Gradient Flows 2021 , 5, 1097-1102 | 10.7 | 1 |
| 160 | Subspace Identification of Linear Time-Periodic Systems With Periodic Inputs 2021 , 5, 145-150 | 10.7 | 1 |
| 159 | Median, Mean, and Variance Stability of a Process Under Temporally Correlated Stochastic Feedback 2021 , 5, 857-862 | 10.7 | 1 |
| 158 | Nonlinear System Identification With Prior Knowledge on the Region of Attraction 2021 , 5, 1091-1096 | 10.7 | 2 |
| 157 | Experiment design for impulse response identification with signal matrix models. <i>IFAC-PapersOnLine</i> , 2021 , 54, 625-630 | 0.7 | 0 |
| 156 | On Low-Rank Hankel Matrix Denoising. <i>IFAC-PapersOnLine</i> , 2021 , 54, 198-203 | 0.7 | 2 |
| 155 | Performance-Driven Cascade Controller Tuning With Bayesian Optimization. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1 | 8.9 | 7 |
| 154 | Graph-Theoretic Optimization for Edge Consensus. <i>IFAC-PapersOnLine</i> , 2021 , 54, 533-538 | 0.7 | 1 |
| 153 | The balanced mode decomposition algorithm for data-driven LPV low-order models of aeroservoelastic systems. <i>Aerospace Science and Technology</i> , 2021 , 115, 106821 | 4.9 | 1 |
| 152 | On Robustness of Kernel-Based Regularized System Identification. <i>IFAC-PapersOnLine</i> , 2021 , 54, 749-754 | 0.7 | 0 |
| 151 | A Multiobjective LQR Synthesis Approach to Dual Control for Uncertain Plants 2020 , 4, 952-957 | 10.7 | 2 |

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| 150 | Improved day ahead heating demand forecasting by online correction methods. <i>Energy and Buildings</i> , 2020 , 211, 109821 | 7 | 16 |
| 149 | Parameter Identification for Digital Fabrication: A Gaussian Process Learning Approach. <i>IFAC-PapersOnLine</i> , 2020 , 53, 388-393 | 0.7 | 1 |
| 148 | Cascade Control: Data-Driven Tuning Approach Based on Bayesian Optimization. <i>IFAC-PapersOnLine</i> , 2020 , 53, 382-387 | 0.7 | 4 |
| 147 | Robust Control of a Lightweight Structure for Digital Fabrication. <i>IFAC-PapersOnLine</i> , 2020 , 53, 7424-7430 | 0.7 | 1 |
| 146 | Structured exploration in the finite horizon linear quadratic dual control problem. <i>IFAC-PapersOnLine</i> , 2020 , 53, 959-964 | 0.7 | 2 |
| 145 | Robust Adaptive Model Predictive Control with Worst-Case Cost. <i>IFAC-PapersOnLine</i> , 2020 , 53, 4222-4227 | 0.7 | 1 |
| 144 | Feedback Control Design Maximizing the Region of Attraction of Stochastic Systems Using Polynomial Chaos Expansion. <i>IFAC-PapersOnLine</i> , 2020 , 53, 7197-7203 | 0.7 | 1 |
| 143 | Frequency regulation with heat pumps using robust MPC with affine policies. <i>IFAC-PapersOnLine</i> , 2020 , 53, 13210-13215 | 0.7 | 3 |
| 142 | Linear Time-Periodic System Identification with Grouped Atomic Norm Regularization. <i>IFAC-PapersOnLine</i> , 2020 , 53, 1237-1242 | 0.7 | 3 |
| 141 | Regularized System Identification: A Hierarchical Bayesian Approach. <i>IFAC-PapersOnLine</i> , 2020 , 53, 406-411 | 0.7 | 1 |
| 140 | Low-Complexity Identification by Sparse Hyperparameter Estimation. <i>IFAC-PapersOnLine</i> , 2020 , 53, 412-417 | 0.7 | 1 |
| 139 | Region of attraction analysis of nonlinear stochastic systems using Polynomial Chaos Expansion. <i>Automatica</i> , 2020 , 122, 109187 | 5.7 | 5 |
| 138 | Distributed Control Design for Heterogeneous Interconnected Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 1-1 | 5.9 | 0 |
| 137 | . <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 1378-1392 | 4.8 | 1 |
| 136 | Controller Tuning by Bayesian Optimization An Application to a Heat Pump 2019 , | | 6 |
| 135 | Nonlinear Control of Quadcopters via Approximate Dynamic Programming 2019 , | | 1 |
| 134 | Visual control of steering in curve driving. <i>Journal of Vision</i> , 2019 , 19, 1 | 0.4 | 1 |
| 133 | Sensitivity analysis of data-driven building energy demand forecasts. <i>Journal of Physics: Conference Series</i> , 2019 , 1343, 012062 | 0.3 | 1 |

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| 132 | Power System Upgrade Planning with On-load Tap-changing Transformers, Switchable Topology and Operating Policies 2019 , | | 1 |
| 131 | Kernel-Based Identification of Positive Systems 2019 , | | 2 |
| 130 | Price arbitrage using variable-efficiency energy storage. <i>Journal of Physics: Conference Series</i> , 2019 , 1343, 012060 | 0.3 | 2 |
| 129 | Machine learning-based modeling and controller tuning of a heat pump. <i>Journal of Physics: Conference Series</i> , 2019 , 1343, 012065 | 0.3 | 1 |
| 128 | Exergy-based model predictive control for design and control of a seasonal thermal energy storage system. <i>Journal of Physics: Conference Series</i> , 2019 , 1343, 012066 | 0.3 | 3 |
| 127 | Incomplete recovery of cerebral blood flow dynamics in sufficiently treated high blood pressure. <i>Journal of Hypertension</i> , 2019 , 37, 372-379 | 1.9 | 9 |
| 126 | The Power of Diversity: Data-Driven Robust Predictive Control for Energy-Efficient Buildings and Districts. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 132-145 | 4.8 | 17 |
| 125 | Mutually Quadratically Invariant Information Structures in Two-Team Stochastic Dynamic Games. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 2256-2263 | 5.9 | 3 |
| 124 | Visual Motion Tracking and Sensor Fusion for Kite Power Systems. <i>Green Energy and Technology</i> , 2018 , 413-438 | 0.6 | 2 |
| 123 | . <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 363-372 | 7 | 8 |
| 122 | Iterative Learning Control for the Radio Frequency Subsystems of a Free-Electron Laser. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 1567-1577 | 4.8 | 2 |
| 121 | Modeling, Identification, Estimation and Adaptation for the Control of Power-Generating Kites. <i>IFAC-PapersOnLine</i> , 2018 , 51, 981-989 | 0.7 | 1 |
| 120 | Stability Verification for Periodic Trajectories of Autonomous Kite Power Systems 2018 , | | 3 |
| 119 | Active control of a rod-net formwork system prototype. <i>Automation in Construction</i> , 2018 , 96, 128-140 | 9.6 | 13 |
| 118 | Scalable Controller Synthesis for Heterogeneous Interconnected Systems Applicable to an Overlapping Control Framework 2018 , | | 1 |
| 117 | Globally Optimal AC Power System Upgrade Planning under Operational Policy Constraints 2018 , | | 1 |
| 116 | A Projected Gradient and Constraint Linearization Method for Nonlinear Model Predictive Control. <i>SIAM Journal on Control and Optimization</i> , 2018 , 56, 1968-1999 | 1.9 | 6 |
| 115 | Pumping Cycle Kite Power with Twings. <i>Green Energy and Technology</i> , 2018 , 603-621 | 0.6 | 4 |

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| 114 | Model Predictive Approaches for Active Surge Control in Centrifugal Compressors. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 1947-1960 | 4.8 | 20 |
| 113 | Predictive Control of Autonomous Kites in Tow Test Experiments 2017 , 1, 110-115 | | 14 |
| 112 | A Data-Driven Stochastic Optimization Approach to the Seasonal Storage Energy Management 2017 , 1, 394-399 | | 10 |
| 111 | Adaptive Control of Low-Level Radio Frequency Signals Based on In-Phase and Quadrature Components. <i>IEEE Transactions on Nuclear Science</i> , 2017 , 64, 1023-1028 | 1.7 | |
| 110 | Automated classification and identification procedure for prediction of energy consumption in multi-mode buildings. <i>Energy Procedia</i> , 2017 , 122, 1021-1026 | 2.3 | 3 |
| 109 | Parameter Identification of the KUKA LBR iiwa Robot Including Constraints on Physical Feasibility. <i>IFAC-PapersOnLine</i> , 2017 , 50, 6863-6868 | 0.7 | 20 |
| 108 | A Framework for Distributed Control Based on Overlapping Estimation for Cooperative Tasks. <i>IFAC-PapersOnLine</i> , 2017 , 50, 14296-14301 | 0.7 | 2 |
| 107 | Robust Adaptive Model Predictive Building Climate Control. <i>IFAC-PapersOnLine</i> , 2017 , 50, 1871-1876 | 0.7 | 18 |
| 106 | . <i>IEEE Control Systems</i> , 2017 , 37, 30-51 | 2.9 | 6 |
| 105 | Fixed Mode Elimination by Minimum Communication Within an Estimator-Based Framework for Distributed Control 2017 , 1, 346-351 | | 5 |
| 104 | Optimal Control of Gains in a Linear Accelerator: A Supervisory Method for Vector-Sum Control. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 1800-1806 | 4.8 | |
| 103 | State Estimation for Kite Power Systems with Delayed Sensor Measurements * *This research was supported by the Swiss National Science Foundation (Synergia) No. 141836 and the Swiss Commission for Technology and Innovation (CTI). <i>IFAC-PapersOnLine</i> , 2017 , 50, 11959-11964 | 0.7 | 2 |
| 102 | Scalability through Decentralization: A Robust Control Approach for the Energy Management of a Building Community. <i>IFAC-PapersOnLine</i> , 2017 , 50, 14314-14319 | 0.7 | 3 |
| 101 | Predictive Guidance Control for Autonomous Kites with Input Delay. <i>IFAC-PapersOnLine</i> , 2017 , 50, 13276-13281 | 0.7 | 3 |
| 100 | Low-complexity first-order constraint linearization methods for efficient nonlinear MPC 2017 , | | 1 |
| 99 | Two methods for the identification of uncertain parameters of an architectural cable net geometry 2016 , | | 4 |
| 98 | An Iterative Learning Control Approach for Radio Frequency Pulse Compressor Amplitude and Phase Modulation. <i>IEEE Transactions on Nuclear Science</i> , 2016 , 63, 842-848 | 1.7 | 1 |
| 97 | Optimal Radio-Frequency Power Distribution in a Linear Accelerator Using Beam Energy Measurements. <i>IEEE Transactions on Nuclear Science</i> , 2016 , 63, 777-782 | 1.7 | |

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|----|---|-----|-----|
| 96 | Model Predictive Climate Control of a Swiss Office Building: Implementation, Results, and CostBenefit Analysis. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 1-12 | 4.8 | 160 |
| 95 | A Convex Characterization of Robust Stability for Positive and Positively Dominated Linear Systems. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 1965-1971 | 5.9 | 24 |
| 94 | A variant to Sequential Quadratic Programming for nonlinear Model Predictive Control 2016 , | | 6 |
| 93 | Convex reformulation of a robust optimal control problem for a class of positive systems 2016 , | | 2 |
| 92 | Sequential quadratic programming for the control of an architectural cable net geometry 2016 , | | 4 |
| 91 | Time-Delayed Feedback Control of Electron Beam Energy Using H_{∞} -Optimal Fractional Delay. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 2176-2181 | 4.8 | |
| 90 | Covert Misappropriation of Networked Control Systems: Presenting a Feedback Structure. <i>IEEE Control Systems</i> , 2015 , 35, 82-92 | 2.9 | 113 |
| 89 | Optimization algorithms for nuclear norm based subspace identification with uniformly spaced frequency domain data 2015 , | | 1 |
| 88 | Model-based identification and control of the velocity vector orientation for autonomous kites 2015 , | | 12 |
| 87 | Active Surge control of electrically driven centrifugal compressors 2015 , | | 2 |
| 86 | Model-based flight path planning and tracking for tethered wings 2015 , | | 10 |
| 85 | Time-domain Subspace Identification Algorithms using Nuclear Norm Minimisation. <i>IFAC-PapersOnLine</i> , 2015 , 48, 903-908 | 0.7 | 1 |
| 84 | Circuit generation for efficient projection onto polyhedral sets in first-order methods 2015 , | | 2 |
| 83 | Robust stability of a class of interconnected nonlinear positive systems 2015 , | | 6 |
| 82 | A stochastic optimization approach to cooperative building energy management via an energy hub 2015 , | | 16 |
| 81 | Quadratic two-team games 2015 , | | 1 |
| 80 | MPC based supervisory control design for a Free Electron Laser 2015 , | | 3 |
| 79 | Range-inertial estimation for airborne wind energy 2015 , | | 5 |

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| 78 | An adaptive iterative learning control scheme for reducing CO2 emission in gasoline engines 2015 , | | 2 |
| 77 | Model Predictive Control approaches for centrifugal compression systems 2015 , | | 1 |
| 76 | Comparison of the efficiency of different magnetization strategies for a variable speed induction machine drive 2015 , | | 1 |
| 75 | Adaptive receding horizon control for constrained MIMO systems. <i>Automatica</i> , 2014 , 50, 3019-3029 | 5.7 | 80 |
| 74 | BRCM Matlab Toolbox: Model generation for model predictive building control 2014 , | | 46 |
| 73 | Frequency Domain Subspace Identification Using Nuclear Norm Minimization and Hankel Matrix Realizations. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2886-2896 | 5.9 | 37 |
| 72 | Frequency-Domain Identification of a Ventilated Room for Model Based Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 593-598 | | 1 |
| 71 | Convex characterization of robust stability analysis and control synthesis for positive linear systems 2014 , | | 7 |
| 70 | Identification of magnetic characteristics of induction motors based on the Jiles-Atherton model 2014 , | | 4 |
| 69 | Towards a standardized building assessment for demand response 2013 , | | 20 |
| 68 | Adaptive model predictive control for constrained MIMO systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2013 , 46, 39-44 | | 0 |
| 67 | Adaptive model predictive control for constrained linear systems 2013 , | | 8 |
| 66 | Semi-automated modular modeling of buildings for model predictive control 2012 , | | 23 |
| 65 | 2012 , | | 19 |
| 64 | A Decoupled Feedback Structure for Covertly Appropriating Networked Control Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011 , 44, 90-95 | | 91 |
| 63 | Modeling of tethered satellite formations using graph theory. <i>Acta Astronautica</i> , 2011 , 69, 470-479 | 2.9 | 8 |
| 62 | Design of distributed decentralized estimators for formations with fixed and stochastic communication topologies. <i>Automatica</i> , 2009 , 45, 2491-2501 | 5.7 | 44 |
| 61 | Changing lanes: inertial cues and explicit path information facilitate steering performance when visual feedback is removed. <i>Experimental Brain Research</i> , 2007 , 178, 141-50 | 2.3 | 20 |

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|----|---|-----|----|
| 60 | Distributed Estimator Design for a Formation with Markovian Communication Topology. <i>Proceedings of the American Control Conference, 2007,</i> | 1.2 | 3 |
| 59 | Distributed estimation, communication and control for deep space formations. <i>IET Control Theory and Applications, 2007, 1, 445-451</i> | 2.5 | 32 |
| 58 | Design of a Distributed Decentralized Estimator for a Formation with Fixed Communication Topology. <i>Proceedings of the American Control Conference, 2007,</i> | 1.2 | 3 |
| 57 | 2007, | | 2 |
| 56 | . <i>IEEE Transactions on Automatic Control, 2007, 52, 1404-1414</i> | 5.9 | 93 |
| 55 | Classical, Robust and LPV Control of a Magnetic-bearing Experiment 2007, 277-325 | | 2 |
| 54 | Simultaneous measurement of steering performance and perceived heading on a curving path. <i>ACM Transactions on Applied Perception, 2006, 3, 83-94</i> | 1.4 | 4 |
| 53 | A distributed parallel estimation architecture for cooperative vehicle formation control 2006, | | 15 |
| 52 | Visual control of action without retinal optic flow. <i>Psychological Science, 2006, 17, 214-21</i> | 7.9 | 15 |
| 51 | PARALLEL ESTIMATORS AND COMMUNICATION IN SPACECRAFT FORMATIONS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 91-96</i> | | |
| 50 | Control of Deep-Space Formation-Flying Spacecraft; Relative Sensing and Switched Information. <i>Journal of Guidance, Control, and Dynamics, 2005, 28, 106-114</i> | 2.1 | 76 |
| 49 | Robust model predictive control of constrained linear systems 2004, | | 18 |
| 48 | Adaptive Air Charge Estimation for Turbocharged Diesel Engines Without Exhaust Gas Recirculation. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2004, 126, 633-643</i> | 1.6 | 11 |
| 47 | Pressure and temperature-based adaptive observer of air charge for turbocharged diesel engines. <i>International Journal of Robust and Nonlinear Control, 2004, 14, 543-560</i> | 3.6 | 16 |
| 46 | A nonlinear functional approach to LFT model validation. <i>Systems and Control Letters, 2002, 47, 1-11</i> | 2.4 | 13 |
| 45 | Control topologies for deep space formation flying spacecraft 2002, | | 26 |
| 44 | Magnetic Bearing Measurement Configurations and Associated Robustness and Performance Limitations. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2002, 124, 589-598</i> | 1.6 | 22 |
| 43 | NONLINEAR FUNCTIONAL CHARACTERIZATIONS OF UNCERTAINTY IN MODEL VALIDATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 151-156</i> | | |

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| 42 | Inherent limitations and control design for camless engine idle speed dynamics. <i>International Journal of Robust and Nonlinear Control</i> , 2001 , 11, 1023-1042 | 3.6 | 2 |
| 41 | Control of a III-V MOCVD process using ultraviolet absorption and ultrasonic concentration monitoring. <i>IEEE Transactions on Control Systems Technology</i> , 2001 , 9, 728-740 | 4.8 | 6 |
| 40 | Fundamental limits in robustness and performance for unstable, underactuated systems. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1265-1268 | 5.9 | 6 |
| 39 | Maneuverability and smoke emission constraints in marine diesel propulsion. <i>Control Engineering Practice</i> , 2000 , 8, 1023-1031 | 3.9 | 14 |
| 38 | Aeromaneuvering in the Martian Atmosphere: Simulation-Based Analyses. <i>Journal of Spacecraft and Rockets</i> , 2000 , 37, 139-142 | 1.5 | 7 |
| 37 | Robust parametrically varying attitude controller designs for the X-33 vehicle 2000 , | | 21 |
| 36 | Modeling and validation of nonlinear feedback systems 1999 , 87-101 | | 4 |
| 35 | Correction to "Optimal control of perturbed linear static systems". <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 1900-1901 | 5.9 | |
| 34 | Closed-Loop Identification of Flexible Structures: An Experimental Example. <i>Journal of Guidance, Control, and Dynamics</i> , 1998 , 21, 435-440 | 2.1 | 7 |
| 33 | A generalization of the structured singular value and its application to model validation. <i>IEEE Transactions on Automatic Control</i> , 1998 , 43, 901-907 | 5.9 | 36 |
| 32 | Emissions and Performance Tradeoffs for Advanced Marine Diesel Propulsion. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1998 , 31, 35-40 | | 2 |
| 31 | Model validation for dynamically uncertain systems. <i>Mathematical Modelling of Systems</i> , 1997 , 3, 43-58 | | 22 |
| 30 | Capturing Nonlinearities with Perturbation Models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1997 , 30, 107-112 | | 1 |
| 29 | Control-Oriented Model Validation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1997 , 30, 433-440 | | |
| 28 | A study of the gap between the structured singular value and its convex upper bound for low-rank matrices. <i>IEEE Transactions on Automatic Control</i> , 1997 , 42, 1176-1179 | 5.9 | 2 |
| 27 | A continuous-time extension condition. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 738-742 | 5.9 | 4 |
| 26 | Continuous-time control model validation using finite experimental data. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 1094-1105 | 5.9 | 36 |
| 25 | Modeling and Control of a Metalorganic Chemical Vapor Deposition Process for III-V Compound Semiconductor Epitaxy. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1996 , 29, 719-724 | | |

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| 24 | Parameter Estimation in an Uncertain Model Framework. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1996 , 29, 4057-4062 | | |
| 23 | The Stability Analysis of Sampled-Data Systems with Averaging Samplers and Time Delays. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1996 , 29, 4132-4137 | | |
| 22 | Sampled-data model validation: An algorithm and experimental application. <i>International Journal of Robust and Nonlinear Control</i> , 1996 , 6, 1065-1078 | 3.6 | 9 |
| 21 | Control of III \bar{V} epitaxy in a metalorganic chemical vapor deposition process: impact of source flow control on composition and thickness. <i>Journal of Crystal Growth</i> , 1996 , 167, 8-16 | 1.6 | 10 |
| 20 | Optimal control of perturbed linear static systems. <i>IEEE Transactions on Automatic Control</i> , 1996 , 41, 579-584 | 5.9 | 10 |
| 19 | Power methods for calculating eigenvalues and eigenvectors of spectral operators on Hilbert spaces. <i>International Journal of Control</i> , 1995 , 62, 1117-1128 | 1.5 | 4 |
| 18 | . <i>IEEE Transactions on Automatic Control</i> , 1995 , 40, 1063-1066 | 5.9 | 14 |
| 17 | . <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995 , 43, 2214-2221 | 4.1 | 3 |
| 16 | Model validation for robust control: an experimental process control application. <i>Automatica</i> , 1995 , 31, 1637-1647 | 5.7 | 19 |
| 15 | . <i>IEEE Transactions on Control Systems Technology</i> , 1994 , 2, 101-109 | 4.8 | 58 |
| 14 | . <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 1904-1909 | 5.9 | 13 |
| 13 | An informal review of model validation 1994 , 51-59 | | 5 |
| 12 | Experimentally Based Calculation of Robust Control Perturbation Models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1994 , 27, 521-526 | | |
| 11 | . <i>IEEE Transactions on Automatic Control</i> , 1992 , 37, 942-952 | 5.9 | 245 |
| 10 | Calculating Finite-Dimensional Approximations of Infinite-Dimensional Linear Systems 1992 , | | 3 |
| 9 | Model validation and parameter identification for systems in H ∞ and l1 1992 , | | 6 |
| 8 | Damping and Structural Control of the JPL Phase 0 Testbed Structure. <i>Journal of Intelligent Material Systems and Structures</i> , 1991 , 2, 281-300 | 2.3 | 15 |
| 7 | 1991 , | | 13 |

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| 6 | Towards a Methodology for Robust Parameter Identification 1990 , | 14 |
| 5 | Model Invalidation: A Connection between Robust Control and Identification 1989 , | 23 |
| 4 | The Two Tank Experiment: A Benchmark Control Problem 1988 , | 7 |
| 3 | Model validation for nonlinear feedback systems | 5 |
| 2 | Solving large structured semidefinite programs using an inexact spectral bundle method | 5 |
| 1 | | 0 |