# Michael A Demetriou

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 262 papers | 6,705 citations | 94269<br>37 h-index | 71532<br>76 g-index |
| 266 all docs | 266 docs citations | 266 times ranked | 5037 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Unknown input functional observers for vector second order structural systems. Mechanical Systems and Signal Processing, 2022, 164, 108060. | 4.4 | 0 |
| 2 | Modal consensus observers for distributed parameter systems. International Journal of Robust and Nonlinear Control, 2022, 32, 472-497. | 2.1 | 2 |
| 3 | Hybrid domain decomposition filters for advection–diffusion PDEs with mobile sensors. Automatica, 2022, 138, 110109. | 3.0 | 3 |
| 4 | Age-associated impairment of T cell immunity is linked to sex-dimorphic elevation of N-glycan branching. Nature Aging, 2022, 2, 231-242. | 5.3 | 12 |
| 5 | A heterogeneous non-overlapping domain decomposition explicit finite volume method for a real-time hybrid process-state estimator of 3D unsteady advection-diffusion fields. Journal of Computational Physics, 2022, , 111257. | 1.9 | 0 |
| 6 | Electricity in the air: Insights from two decades of advanced control research and experimental flight testing of airborne wind energy systems. Annual Reviews in Control, 2021, 52, 330-357. | 4.4 | 44 |
| 7 | Controlling 2D PDEs using mobile collocated actuators-sensors and their simultaneous guidance constrained over path-dependent reachability regions. , 2021, , . | | 1 |
| 8 | Employing mobile sensor density to approximate state feedback kernels in static output feedback control of PDEs. , 2021, , . | | 4 |
| 9 | Association of a Marker of $N$-Acetylglucosamine With Progressive Multiple Sclerosis and Neurodegeneration. JAMA Neurology, 2021, 78, 842. | 4.5 | 15 |
| 10 | The Crossroads of Glycoscience, Infection, and Immunology. Frontiers in Microbiology, 2021, 12, 731008. | 1.5 | 3 |
| 11 | Design and optimization of minimum-order compensators of distributed parameter systems via functional observers and unknown input functional observers. , 2021, , . | | 1 |
| 12 | Robust control of PDEs with disturbances using mobile actuators constrained over time-varying reachability sets. , 2021, , . | | 1 |
| 13 | Optimal navigation over spatiotemporally varying hazardous fields. , 2021, , . | | 1 |
| 14 | Moving sensors for improved estimation of dynamic structures: Experimental validation. JVC/Journal of Vibration and Control, 2020, , 107754632096501. | 1.5 | 4 |
| 15 | N-acetylglucosamine drives myelination by triggering oligodendrocyte precursor cell differentiation. Journal of Biological Chemistry, 2020, 295, 17413-17424. | 1.6 | 29 |
| 16 | N-Glycan Branching Decouples B Cell Innate and Adaptive Immunity to Control Inflammatory Demyelination. IScience, 2020, 23, 101380. | 1.9 | 18 |
| 17 | Effect of vitamin D supplementation on N‑glycan branching and cellular immunophenotypes in MS. Annals of Clinical and Translational Neurology, 2020, 7, 1628-1641. | 1.7 | 3 |
| 18 | Functional estimation of perturbed positive real infinite dimensional systems using adaptive compensators. , 2020, , . | | 7 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 19 | Adaptive detection and accommodation of communication attacks on infinite dimensional systems with multiple interconnected actuator/sensor pairs. , 2020, , . | | 0 |
| 20 | Domain Decomposition for a Hybrid State Estimation of a Plume Field with a Moving Sensor. , 2020, , . | | 4 |
| 21 | Cancer Moonshot Immuno-Oncology Translational Network (IOTN): accelerating the clinical translation of basic discoveries for improving immunotherapy and immunoprevention of cancer. , 2020, 8, e000796. | | 7 |
| 22 | Navigating over 3D environments while minimizing cumulative exposure to hazardous fields. Automatica, 2020, 115, 108859. | 3.0 | 5 |
| 23 | N-Glycan Branching Is Required for Development of Mature B Cells. Journal of Immunology, 2020, 205, 630-636. | 0.4 | 18 |
| 24 | Modeling of Airborne Wind Energy Systems: Extended Apparent Attitude Tracking Approach. Journal of Guidance, Control, and Dynamics, 2020, 43, 847-853. | 1.6 | 0 |
| 25 | Moving sensors in structural dynamics. , 2020, , . | | 1 |
| 26 | A Psychological Approach for the Path Planning of Human Evacuations in Contaminated Indoor Environments. IFAC-PapersOnLine, 2020, 53, 7533-7538. | 0.5 | 3 |
| 27 | Optimal Communication Topology and Static Output Feedback of Networked Collocated Actuator/Sensor Pairs in Distributed Parameter Systems. , 2020, , . | | 2 |
| 28 | Controlling PDEs with mobile actuators constrained over time-varying reachability sets. , 2020, , . | | 3 |
| 29 | A level-set based approach for the path planning of human evacuations in contaminated indoor environments. , 2019, , . | | 4 |
| 30 | Modeling and control of tethered undersea kites. Ocean Engineering, 2019, 190, 106390. | 1.9 | 10 |
| 31 | Observer Design with Sparsity for Parabolic PDEs. IFAC-PapersOnLine, 2019, 52, 180-182. | 0.5 | 3 |
| 32 | Apparent Attitude Tracking of Airborne Wind Energy System. Journal of Guidance, Control, and Dynamics, 2019, 42, 958-962. | 1.6 | 1 |
| 33 | Increasing cell permeability of N-acetylglucosamine via 6-acetylation enhances capacity to suppress T-helper 1 (TH1)/TH17 responses and autoimmunity. PLoS ONE, 2019, 14, e0214253. | 1.1 | 13 |
| 34 | Extended Orbital Flight of a CubeSat in the Lower Thermosphere with Active Attitude Control. , 2019, , . | | 2 |
| 35 | System theoretic framework for active sensing in disaster management: modifying sensor guidance for life prolongation in hazardous fields. , 2019, , . | | 1 |
| 36 | Hybrid domain decomposition filters for parabolic spatially distributed processes. , 2019, , . | | 3 |

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|---|---------|-----|-----------|
| 37 | A path planning algorithm for human evacuations with an environment dependent motion. , 2019, , . | | 3 |
| 38 | Feedback kernel approximations and sensor selection for controlled 2D parabolic PDEs using computational geometry methods. , 2019, , . | | 1 |
| 39 | Combined sequential mobile sensing agent evacuation and state reconstruction in contaminated spatial fields. , 2019, , . | | 0 |
| 40 | Optimisation and adaptation of synchronisation controllers for networked second-order infinite-dimensional systems. International Journal of Control, 2019, 92, 112-131. | 1.2 | 11 |
| 41 | Design of adaptive output feedback synchronizing controllers for networked PDEs with boundary and in-domain structured perturbations and disturbances. Automatica, 2018, 90, 220-229. | 3.0 | 28 |
| 42 | A distributed control and parameter estimation protocol with prescribed performance for homogeneous lagrangian multi-agent systems. Autonomous Robots, 2018, 42, 1525-1541. | 3.2 | 18 |
| 43 | Adaptive Neural Network Control of Spacecraft Rendezvous using Nonlinear Dynamical Models in the presence of J2 perturbations. , 2018, , . | | 2 |
| 44 | Orbit Maintenance and Attitude Control for a CubeSat Flying in the Lower Thermosphere. , 2018, , . | | 2 |
| 45 | Detection of communication attacks on spatially distributed systems with multiple interconnected actuator/sensor pairs. , 2018, , . | | 4 |
| 46 | Incorporating impact of hazardous and toxic environments on the guidance of mobile sensor networks used for the cooperative estimation of spatially distributed processes. , 2018, , . | | 4 |
| 47 | Using asymptotic embedding methods for dynamic estimation of spatial fields with mobile sensors. , 2018, , . | | 2 |
| 48 | Adaptive and optimal synchronization control of networked positive real infinite dimensional systems with virtual leader. International Journal of Adaptive Control and Signal Processing, 2018, 32, 1403-1416. | 2.3 | 6 |
| 49 | Cell Surface N-Glycans Influence Electrophysiological Properties and Fate Potential of Neural Stem Cells. Stem Cell Reports, 2018, 11, 869-882. | 2.3 | 35 |
| 50 | Closed-loop guidance of mobile sensors for the estimation of spatially distributed processes. , 2018, , . | | 10 |
| 51 | Long-term plasma exchange as maintenance therapy for cerebellar-type Hashimotoâ€™s encephalopathy, a case report. Transfusion and Apheresis Science, 2018, 57, 418-420. | 0.5 | 9 |
| 52 | Attitude Tracking Control of an Airborne Wind Energy System. Green Energy and Technology, 2018, , 215-239. | 0.4 | 5 |
| 53 | Non-overlapping domain decomposition methods for computationally efficient estimation of parabolic PDEs with mobile sensors. , 2018, , . | | 4 |
| 54 | Integrated observer and sensor placement design of parabolic PDEs using modified Centroidal Voronoi Tessellations. , 2018, , . | | 0 |

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|---|---------|----|-----------| 
| 55 | Galectins as Adaptors: Linking Glycosylation and Metabolism with Extracellular Cues. Trends in Glycoscience and Glycotechnology, 2018, 30, SE167-SE177. | 0.0 | 9 |
| 56 | Adaptive distributed unknown input observers for interconnected linear descriptor systems. International Journal of Systems Science, 2017, 48, 182-189. | 3.7 | 4 |
| 57 | Adaptive Controllers for Spacecraft Rendezvous based on nonlinear model with unknown parameters. , 2017, , . | | 2 |
| 58 | Modeling of Tethered Kite Apparent Velocity Dynamics Based on Effective Attitude Tracking. , 2017, , . | | 2 |
| 59 | Nanosat Orbit Raising and Rendezvous Using a Continuous-Thrust Controller. , 2017, , . | | 2 |
| 60 | Classification of adaptive observers for non-square infinite dimensional systems with structured perturbations and disturbances. , 2017, , . | | 1 |
| 61 | Information-based guidance of cooperative mobile agents in hazardous environments: In-domain and boundary patrolling. , 2017, , . | | 3 |
| 62 | Adaptive spatial homogenization and synchronization of structurally perturbed parabolic PDEs via asymptotic embedding methods. , 2017, , . | | 0 |
| 63 | Using modified Centroidal Voronoi Tessellations in kernel partitioning for optimal actuator and sensor selection of parabolic PDEs with static output feedback. , 2017, , . | | 7 |
| 64 | Sensor selection and static output feedback of parabolic PDEs via state feedback kernel partitioning using modification of Voronoi Tessellations. , 2017, , . | | 6 |
| 65 | Glycolysis and glutaminolysis cooperatively control T cell function by limiting metabolite supply to N-glycosylation. ELife, 2017, 6, . | 2.8 | 148 |
| 66 | Formation Flying Maintenance of a Nanosat Pair Using Propulsive Optimal Control. , 2017, , . | | 0 |
| 67 | Emulating a mobile spatially distributed sensor by mobile pointwise sensors in state estimation of partial differential equations via spatial interpolation. , 2017, , . | | 6 |
| 68 | Feasibility for Orbital Life Extension of a CubeSat in the Lower Thermosphere. Journal of Spacecraft and Rockets, 2016, 53, 864-875. | 1.3 | 10 |
| 69 | Distributed Kalman filters with adaptive strategy for linear time–varying interconnected systems. International Journal of Adaptive Control and Signal Processing, 2016, 30, 1568-1582. | 2.3 | 6 |
| 70 | Passivity based control of a Tethered Undersea Kite energy system. , 2016, , . | | 7 |
| 71 | Desynchronization and resynchronization of interconnected finite and infinite dimensional systems: interpretation of attack and accommodation using FDI framework. , 2016, , . | | 1 |
| 72 | Synthesis of adaptive controllers for spacecraft rendezvous maneuvers using nonlinear models of relative motion. , 2016, , . | | 2 |

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|---|---------|-----|-----------|
| 73 | Gradient-based schemes of mobile sensor guidance for estimating spatially distributed systems in hazardous environments using value of information. , 2016, , . | | 2 |
| 74 | Estimation of a gaseous release into the atmosphere using a formation of UAVs. IFAC-PapersOnLine, 2016, 49, 110-115. | 0.5 | 4 |
| 75 | Gain adaptation and sensor guidance of diffusion PDEs using on-line approximation of optimal feedback kernels. , 2016, , . | | 4 |
| 76 | Distributed control and parameter estimation for homogeneous Lagrangian multi-agent systems. , 2016, , . | | 1 |
| 77 | Optimization of second order spatially distributed systems with multiple interconnected actuator/sensor pairs. IFAC-PapersOnLine, 2016, 49, 476-481. | 0.5 | 2 |
| 78 | Adaptive observers for non-square positive real infinite dimensional systems. , 2016, , . | | 4 |
| 79 | Domain decomposition methods in the distributed estimation of spatially distributed processes with mobile sensors. , 2016, , . | | 5 |
| 80 | Design of decentralized local controllers of spatially distributed systems by approximation of feedback kernels. , 2016, , . | | 3 |
| 81 | Plume estimation using static and dynamic formations of unmanned aerial vehicles. , 2016, , . | | 4 |
| 82 | Boundary adaptive synchronization of networked PDEs with adaptive parameter estimators. IFAC-PapersOnLine, 2016, 49, 242-247. | 0.5 | 7 |
| 83 | Attitude tracking control of a GroundGen airborne wind energy system. , 2016, , . | | 5 |
| 84 | Estimation of Gaseous Plume Concentration with an Unmanned Aerial Vehicle. Journal of Guidance, Control, and Dynamics, 2016, 39, 1314-1324. | 1.6 | 17 |
| 85 | Micro Pulsed Plasma Thrusters for Attitude Control of a Low Earth Orbiting CubeSat. , 2016, , . | | 2 |
| 86 | Feasibility for Orbital Life Extension of a CubeSat Flying in the Lower Thermosphere. , 2016, , . | | 1 |
| 87 | Estimation of Gas Concentration from a Moving Source with an Unmanned Aerial Vehicle. , 2016, , . | | 1 |
| 88 | Micropulsed Plasma Thrusters for Attitude Control of a Low-Earth-Orbiting CubeSat. Journal of Spacecraft and Rockets, 2016, 53, 57-73. | 1.3 | 28 |
| 89 | Golgi self-correction generates bioequivalent glycans to preserve cellular homeostasis. ELife, 2016, 5, . | 2.8 | 67 |
| 90 | Gradient-ascent schemes for the guidance of mobile sensors used in the estimation of spatially distributed systems. , 2015, , . | | 7 |

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| 91 | Genomeâ€Wide Analysis of Geneâ€Gene and Geneâ€Environment Interactions Using Closedâ€Form Wald Tests. Genetic Epidemiology, 2015, 39, 446-455. | 0.6 | 12 |
| 92 | Desynchronization and resynchronization of networked second order finite and infinite dimensional systems. , 2015, , . | | 2 |
| 93 | Estimation of a gaseous release into the atmosphere using an unmanned aerial vehicle. , 2015, , . | | 3 |
| 94 | Actuator location optimization in synchronization control of networked distributed parameter systems. , 2015, , . | | 1 |
| 95 | Leader selection and optimal synchronization gains in synchronization control of networked distributed parameter systems. , 2015, , . | | 2 |
| 96 | Real-time prediction of gas contaminant concentration from a ground intruder using a UAV. , 2015, , . | | 8 |
| 97 | Attitude tracking control of an Airborne Wind Energy system. , 2015, , . | | 6 |
| 98 | Energy-based schemes for the guidance of mobile actuator/sensor pairs in the control of first order infinite dimensional systems. , 2015, , . | | 0 |
| 99 | Adaptive distributed Kalman filters for a class of continuous time finite dimensional linear systems. , 2015, , . | | 0 |
| 100 | Control of a tethered undersea kite energy system using a six degree of freedom model. , 2015, , . | | 13 |
| 101 | Using $BBH_{2}$-Control Performance Metrics for the Optimal Actuator Location of Distributed Parameter Systems. IEEE Transactions on Automatic Control, 2015, 60, 450-462. | 3.6 | 37 |
| 102 | Adaptation and optimization of the synchronization gains in the adaptive spacecraft attitude synchronization. Aerospace Science and Technology, 2015, 46, 116-123. | 2.5 | 18 |
| 103 | Control of an airborne wind energy system using an aircraft dynamics model. , 2015, , . | | 6 |
| 104 | Adaptation and Optimization of Synchronization Gains in the Regulation Control of Networked Distributed Parameter Systems. IEEE Transactions on Automatic Control, 2015, 60, 2219-2224. | 3.6 | 20 |
| 105 | Estimation of Plume Concentration from a Moving Source with an Unmanned Aerial Vehicle. , 2014, , . | | 1 |
| 106 | Cubesat Design and Attitude Control with Micro Pulsed Plasma Thrusters. , 2014, , . | | 2 |
| 107 | Synchronization optimization of networked second order infinite dimensional systems. , 2014, , . | | 2 |
| 108 | State reconstruction of elastic systems using moving sensors. , 2014, , . | | 2 |

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|---|---------|-----|-----------|
| 109 | Frequency domain methods for optimal sensor placement and scheduling of spatially distributed systems arising in environmental and meteorological applications. , 2014, , . | | 2 |
| 110 | Adaptive Estimation Using Multiagent Network Identifiers With Undirected and Directed Graph Topologies. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, . | 0.9 | 7 |
| 111 | Spatial PID consensus controllers for distributed filters of distributed parameter systems. Systems and Control Letters, 2014, 63, 57-62. | 1.3 | 12 |
| 112 | Adaptive output feedback synchronization of networked distributed parameter systems. , 2014, , . | | 7 |
| 113 | Coupled Controls-Computational Fluids Approach for the Estimation of the Concentration From a Moving Gaseous Source in a 2-D Domain With a Lyapunov-Guided Sensing Aerial Vehicle. IEEE Transactions on Control Systems Technology, 2014, 22, 853-867. | 3.2 | 51 |
| 114 | Design and optimization of synchronization controllers for networked second order infinite dimensional systems. , 2014, , . | | 5 |
| 115 | N-glycosylation bidirectionally extends the boundaries of thymocyte positive selection by decoupling Lck from Ca2+ signaling. Nature Immunology, 2014, 15, 1038-1045. | 7.0 | 48 |
| 116 | Adaptive Attitude Synchronization Control of Spacecraft Formation with Adaptive Synchronization Gains. Journal of Guidance, Control, and Dynamics, 2014, 37, 1644-1651. | 1.6 | 25 |
| 117 | Guidance of a moving sensor used in state estimation of a flexible beam. , 2014, , . | | 1 |
| 118 | Optimization of spatially distributed systems with spatially local controllers and partial connectivity. , 2014, , . | | 3 |
| 119 | Encoding Asymmetry of the N-Glycosylation Motif Facilitates Glycoprotein Evolution. PLoS ONE, 2014, 9, e86088. | 1.1 | 15 |
| 120 | A controls-CFD approach for estimation of concentration from a moving aerial source: Comparisons between switched and dynamically adapted grids in 2D. , 2013, , . | | 0 |
| 121 | Synchronization and consensus controllers for a class of parabolic distributed parameter systems. Systems and Control Letters, 2013, 62, 70-76. | 1.3 | 64 |
| 122 | Hypomorphic MGAT5 polymorphisms promote multiple sclerosis cooperatively with MGAT1 and interleukin-2 and 7 receptor variants. Journal of Neuroimmunology, 2013, 256, 71-76. | 1.1 | 29 |
| 123 | Incorporating parental information into family-based association tests. Biostatistics, 2013, 14, 556-572. | 0.9 | 5 |
| 124 | Adaptive estimation using multiagent network identifiers with undirected and directed graph topologies. , 2013, , . | | 0 |
| 125 | Disturbance-decoupling observers for a class of second order distributed parameter systems. , 2013, , . | | 9 |
| 126 | Consensus of spatially distributed filters using mobile sensor networks with limited connectivity. , 2013, , . | | 5 |

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| 127 | Adaptation of consensus penalty terms for attitude synchronization of spacecraft formation with unknown parameters. , 2013, , . | | 3 |
| 128 | Adaptive consensus filters of spatially distributed systems with limited connectivity. , 2013, , . | | 6 |
| 129 | Synchronization of a class of second order distributed parameter systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 73-78. | 0.4 | 7 |
| 130 | Spatial proportional-integral-derivative penalization of distributed consensus filters for spatially distributed processes. , 2013, , . | | 1 |
| 131 | Attitude synchronization of spacecraft formation with adaptation of consensus penalty terms. , 2013, , . | | 3 |
| 132 | Optimization and adaptation of consensus penalty terms for the attitude synchronization of spacecraft formation. , 2013, , . | | 5 |
| 133 | Homeostatic control of cell growth and differentiation by Golgi proofreading. FASEB Journal, 2013, 27, 211.3. | 0.2 | 0 |
| 134 | Spatial gradient measurement through length scale estimation for the tracking of a gaseous source. , 2012, , . | | 9 |
| 135 | Estimation of spatial fields using asymptotic embedding methods and Lagrangian sensing. , 2012, , . | | 3 |
| 136 | Enforcing Consensus on Adaptive Parameter Estimation of Structurally Perturbed Infinite Dimensional Systems. IEEE Transactions on Automatic Control, 2012, 57, 3147-3152. | 3.6 | 16 |
| 137 | Adaptive Control of 2-D PDEs Using Mobile Collocated Actuator/Sensor Pairs With Augmented Vehicle Dynamics. IEEE Transactions on Automatic Control, 2012, 57, 2979-2993. | 3.6 | 56 |
| 138 | Adaptive collaborative estimation of multi-agent mobile robotic systems. , 2012, , . | | 5 |
| 139 | Numerical studies of concentration estimation and source tracking of a gaseous source using multiple mobile distributed sensors. , 2012, , . | | 2 |
| 140 | Dynamic online nonlinear robust detection and accommodation of incipient component faults for nonlinear dissipative distributed processes. International Journal of Robust and Nonlinear Control, 2012, 22, 3-23. | 2.1 | 25 |
| 141 | Pathogenesis of multiple sclerosis via environmental and genetic dysregulation of N-glycosylation. Seminars in Immunopathology, 2012, 34, 415-424. | 2.8 | 46 |
| 142 | Interleukinâ€2, Interleukinâ€7, T cellâ€mediated autoimmunity, and Nâ€glycosylation. Annals of the New York Academy of Sciences, 2012, 1253, 49-57. | 1.8 | 33 |
| 143 | State estimation of spatially distributed processes using mobile sensing agents. , 2011, , . | | 30 |
| 144 | Adaptive consensus estimation of multi-agent systems. , 2011, , . | | 7 |

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|---|---------|-----|-----------|
| 145 | Switch-Mode Continuously Variable Transmission: Modeling and Optimization. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, . | 0.9 | 2 |
| 146 | Adaptive consensus filters for collocated infinite dimensional systems. , 2011, , . | | 5 |
| 147 | Lyapunov based guidance of a mobile sensing agent for state estimation of a gaseous source in a 3D spatial domain. , 2011, , . | | 6 |
| 148 | Simplified controller design for distributed parameter systems using mobile actuator with augmented vehicle dynamics. , 2011, , . | | 5 |
| 149 | Model-based detection of a moving gaseous source in a 2D spatial domain using a sensor-based grid adaptation approach. , 2011, , . | | 7 |
| 150 | N-Acetylglucosamine Inhibits T-helper 1 (Th1)/T-helper 17 (Th17) Cell Responses and Treats Experimental Autoimmune Encephalomyelitis. Journal of Biological Chemistry, 2011, 286, 40133-40141. | 1.6 | 97 |
| 151 | <i>Mgat5</i> Deficiency in T Cells and Experimental Autoimmune Encephalomyelitis. ISRN Neurology, 2011, 2011, 1-6. | 1.5 | 21 |
| 152 | N-Glycans Differentially Regulate Eosinophil and Neutrophil Recruitment during Allergic Airway Inflammation*. Journal of Biological Chemistry, 2011, 286, 38231-38241. | 1.6 | 23 |
| 153 | Genetics and the environment converge to dysregulate N-glycosylation in multiple sclerosis. Nature Communications, 2011, 2, 334. | 5.8 | 142 |
| 154 | Numerical investigation of the spatial estimation error in sensor guidance used for the localization of a gaseous source in a 2D domain. , 2011, , . | | 4 |
| 155 | Design of consensus and adaptive consensus filters for distributed parameter systems. Automatica, 2010, 46, 300-311. | 3.0 | 104 |
| 156 | Measure of disagreement of spatially distributed filters for distributed parameter systems. , 2010, , . | | 4 |
| 157 | Towards optimal actuator placement for dissipative PDE systems in the presence of uncertainty. , 2010, , . | | 3 |
| 158 | Using &amp;#x210D;&lt;inf&gt;2&lt;/inf&gt;-control metrics for the optimal actuator location of infinite-dimensional systems. , 2010, , . | | 2 |
| 159 | Enforcing and enhancing consensus of spatially distributed filters utilizing mobile sensor networks. , 2010, , . | | 6 |
| 160 | Inhibition of Glyceraldehyde-3-Phosphate Dehydrogenase Activity by Antibodies Present in the Cerebrospinal Fluid of Patients with Multiple Sclerosis. Journal of Immunology, 2010, 185, 1968-1975. | 0.4 | 15 |
| 161 | Design of spatially distributed filters for distributed parameter systems using mobile sensor networks. , 2010, , . | | 11 |
| 162 | Manipulating Cell Surface Glycoproteins by Targeting N-Glycanâ€"Galectin Interactions. Methods in Enzymology, 2010, 480, 245-266. | 0.4 | 24 |

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|---|---------|-----|-----------|
| 163 | Guidance of Mobile Actuator-Plus-Sensor Networks for Improved Control and Estimation of Distributed Parameter Systems. IEEE Transactions on Automatic Control, 2010, 55, 1570-1584. | 3.6 | 204 |
| 164 | Measure-of-disagreement of consensus and adaptive-consensus filters for spatially distributed systems. , 2010, , . | | 2 |
| 165 | Centralized and decentralized policies for the containment of moving source in 2D diffusion processes using sensor/actuator network. , 2009, , . | | 9 |
| 166 | Dynamic fault detection and accommodation for dissipative distributed processes. , 2009, , . | | 0 |
| 167 | Controlling distributed parameter systems using mobile actuator-plus-sensor networks. , 2009, , . | | 6 |
| 168 | Incorporating communication delays in the guidance of a moving actuator/sensor for performance enhancement of controlled distributed parameter systems. , 2009, , . | | 3 |
| 169 | T Cell Receptor Signaling Co-regulates Multiple Golgi Genes to Enhance N-Glycan Branching. Journal of Biological Chemistry, 2009, 284, 32454-32461. | 1.6 | 50 |
| 170 | Collocated Hˆž Control of a Cantilevered Beam using an Analytical Upper-bound Approach. Journal of Intelligent Material Systems and Structures, 2009, 20, 865-873. | 1.4 | 4 |
| 171 | Adaptive techniques for the MRAC, adaptive parameter identification, and on‐line fault monitoring and accommodation for a class of positive real infinite dimensional systems. International Journal of Adaptive Control and Signal Processing, 2009, 23, 193-215. | 2.3 | 29 |
| 172 | T‐cell growth, cell surface organization, and the galectin‐glycoprotein lattice. Immunological Reviews, 2009, 230, 232-246. | 2.8 | 114 |
| 173 | Adaptive Regulation at the Cell Surface by $N$‐Glycosylation. Traffic, 2009, 10, 1569-1578. | 1.3 | 188 |
| 174 | Natural consensus filters for second order infinite dimensional systems. Systems and Control Letters, 2009, 58, 826-833. | 1.3 | 33 |
| 175 | Optimal control of switched distributed parameter systems with spatially scheduled actuators. Automatica, 2009, 45, 312-323. | 3.0 | 45 |
| 176 | Metabolism, Cell Surface Organization, and Disease. Cell, 2009, 139, 1229-1241. | 13.5 | 400 |
| 177 | Scheduling of static sensor networks and management of mobile sensor networks for the detection and containment of moving sources in spatially distributed processes. , 2009, , . | | 7 |
| 178 | Estimation of Spatially Distributed Processes Using Mobile Spatially Distributed Sensor Network. SIAM Journal on Control and Optimization, 2009, 48, 266-291. | 1.1 | 88 |
| 179 | Robust detection and accommodation of incipient component and actuator faults in nonlinear distributed processes. AICHE Journal, 2008, 54, 2651-2662. | 1.8 | 87 |
| 180 | Actuator and controller scheduling in nonlinear transport-reaction processes. Chemical Engineering Science, 2008, 63, 3537-3550. | 1.9 | 19 |

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|---|---------|----|-----------|
| 181 | Distributed parameter methods for moving sensor networks in unison. , 2008, , . | | 3 |
| 182 | Electric Propulsion and Controller Design for Drag-Free Spacecraft Operation. Journal of Spacecraft and Rockets, 2008, 45, 1303-1315. | 1.3 | 20 |
| 183 | Integrated actuator placement and fault tolerant controller design for a class of distributed parameter systems. , 2008, , . | | 2 |
| 184 | Guidance of a moving collocated actuator/sensor for improved control of distributed parameter systems. , 2008, , . | | 15 |
| 185 | Lateral Compartmentalization of T Cell Receptor Versus CD45 by Galectin-N-Glycan Binding and Microfilaments Coordinate Basal and Activation Signaling. Journal of Biological Chemistry, 2007, 282, 35361-35372. | 1.6 | 117 |
| 186 | N-Glycan Processing Deficiency Promotes Spontaneous Inflammatory Demyelination and Neurodegeneration. Journal of Biological Chemistry, 2007, 282, 33725-33734. | 1.6 | 91 |
| 187 | Robust detection and accommodation of incipient component faults in nonlinear distributed processes. Proceedings of the American Control Conference, 2007, , . | 0.0 | 10 |
| 188 | Process estimation and moving source detection in 2-D diffusion processes by scheduling of sensor networks. Proceedings of the American Control Conference, 2007, , . | 0.0 | 22 |
| 189 | Actuator switching for vibration control of spatially distributed systems. Proceedings of the American Control Conference, 2007, , . | 0.0 | 1 |
| 190 | Incorporating spatial frequency weighting and frequency domain methods in integrated actuator and controller design for a class of parabolic partial differential equations. Proceedings of the American Control Conference, 2007, , . | 0.0 | 1 |
| 191 | Estimation of distributed processes using mobile spatially distributed sensors. Proceedings of the American Control Conference, 2007, , . | 0.0 | 13 |
| 192 | Control of T Cell-mediated Autoimmunity by Metabolite Flux to N-Glycan Biosynthesis. Journal of Biological Chemistry, 2007, 282, 20027-20035. | 1.6 | 122 |
| 193 | Utilizing spatial robustness measures for the optimization of a PZT-actuated flexible beam. , 2007, , . | | 1 |
| 194 | Scheduling of intelligent sensor and actuator network in flexible structures. , 2007, , . | | 0 |
| 195 | Control and integrated design of smart material systems using analytical upper bound method. , 2007, , . | | 0 |
| 196 | Adaptive Monitoring and Accommodation of Nonlinear Actuator Faults in Positive Real Infinite Dimensional Systems. IEEE Transactions on Automatic Control, 2007, 52, 2332-2338. | 3.6 | 40 |
| 197 | Complex N-Glycan Number and Degree of Branching Cooperate to Regulate Cell Proliferation and Differentiation. Cell, 2007, 129, 123-134. | 13.5 | 777 |
| 198 | Optimization problems for a class of switched Pritchard-Salamon systems with applications to moving actuators. , 2007, , . | | 0 |

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|---|---------|----|-----------|
| 199 | Natural observers for a class of second order bilinear infinite dimensional systems. , 2007, , . | | 1 |
| 200 | Detection and containment policy of moving source in 2D diffusion processes using sensor/actuator network. , 2007, , . | | 7 |
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