Luca Schenato

List of Publications by Year
in descending order

216 papers	9,208 citations	147801 31 h-index	53230 85 g-index
224 all docs	224 docs citations	224 times ranked	5223 citing authors

#	Article	IF	Citations
1	Drive-by-Wi-Fi: Model-Based Control Over Wireless at 1 kHz. IEEE Transactions on Control Systems Technology, 2022, 30, 1078-1089.	5.2	4
2	Remote MPC for Tracking Over Lossy Networks. , 2022, 6, 1040-1045.		4
3	Accelerated Probabilistic Power Flow in Electrical Distribution Networks via Model Order Reduction and Neumann Series Expansion. IEEE Transactions on Power Systems, 2022, 37, 2151-2163.	6.5	10
4	Model-Free Radio Map Estimation in Massive MIMO Systems via Semi-Parametric Gaussian Regression. IEEE Wireless Communications Letters, 2022, 11, 473-477.	5.0	4
5	Repeated ETRTs in a Complex Stratified Geological Setting: High-Resolution Thermal Conductivity Identification by Multiple Linear Regression. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	9
6	Transmission power allocation for remote estimation with multi-packet reception capabilities. Automatica, 2022, 140, 110257.	5.0	6
7	A novel bound on the convergence rate of ADMM for distributed optimization. Automatica, 2022, 142, 110403.	5.0	1
8	Asynchronous Distributed Optimization Over Lossy Networks via Relaxed ADMM: Stability and Linear Convergence. IEEE Transactions on Automatic Control, 2021, 66, 2620-2635.	5.7	37
9	An optical fiber-based monitoring system to study the seepage flow below the landside toe of a river levee. Journal of Civil Structural Health Monitoring, 2021, 11, 691-705.	3.9	17
10	A Rugged FBG-Based Pressure Sensor for Water Level Monitoring in Dikes. IEEE Sensors Journal, 2021, 21, 13263-13271.	4.7	22
11	Constrained Control with Communication Blackouts: Theory and Experimental Validation over Wi-Fi. , 2021, , .		0
12	LQR Temperature Control in smart building via real-time weather forecasting. , 2021, , .		0
13	A distributed optimal power management system for microgrids with plug&play capabilities. Advanced Control for Applications, 2021, 3, .	1.7	16
14	Mathematical modelling of SigE regulatory network reveals new insights into bistability of mycobacterial stress response. BMC Bioinformatics, 2021, 22, 558.	2.6	7
15	Accelerated Probabilistic State Estimation in Distribution Grids via Model Order Reduction. , 2021, , .		1
16	Cooperative Aerial Load Transportation via Sampled Communication. , 2020, 4, 277-282.		14
17	Reference Governor for Constrained Control Over Lossy Channels. , 2020, 4, 271-276.		4
18	Partition-based multi-agent optimization in the presence of lossy and asynchronous communication. Automatica, 2020, 111, 108648.	5.0	10

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19	Adaptive transmission rate for LQG control over Wi-Fi: A cross-layer approach. Automatica, 2020, 119, 109092.	5.0	8
20	Computation-Communication Trade-Offs and Sensor Selection in Real-Time Estimation for Processing Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 2952-2965.	6.4	11
21	Smart Grid State Estimation with PMUs Time Synchronization Errors. Energies, 2020, 13, 5148.	3.1	10
22	Time-Critical Wireless Networked Embedded Systems: Feasibility and Experimental Assessment. IEEE Transactions on Industrial Informatics, 2020, 16, 7732-7742.	11.3	7
23	An Optical Fiber Distributed Pressure Sensing Cable With Pa-Sensitivity and Enhanced Spatial Resolution. IEEE Sensors Journal, 2020, 20, 5900-5908.	4.7	22
24	From Sensor to Processing Networks: Optimal Estimation with Computation and Communication Latency. IFAC-PapersOnLine, 2020, 53, 11024-11031.	0.9	2
25	1 kHz Remote Control of a Balancing Robot with Wi-Fi-in-the-Loop. IFAC-PapersOnLine, 2020, 53, 2614-2619.	0.9	2
26	Distributed Multi-Agent Gaussian Regression via Finite-Dimensional Approximations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 2098-2111.	13.9	13
27	Heavy-tails in Kalman filtering with packet losses. European Journal of Control, 2019, 50, 62-71.	2.6	2
28	Drive-by-Wi-Fi: testing 1 kHz control experiments over wireless. , 2019, , .		3
29	Anomalous occupancy sensor behavior detection in connected indoor lighting systems. , 2019, , .		4
30	Multirobot Symmetric Formations for Gradient and Hessian Estimation With Application to Source Seeking. IEEE Transactions on Robotics, 2019, 35, 782-789.	10.3	30
31	Composite Anchors for Slope Stabilisation: Monitoring of their In-Situ Behaviour with Optical Fibre. Geosciences (Switzerland), 2019, 9, 240.	2.2	19
32	Highly Sensitive FBG Pressure Sensor Based on a 3D-Printed Transducer. Journal of Lightwave Technology, 2019, 37, 4784-4790.	4.6	32
33	Classification of Occupancy Sensor Anomalies in Connected Indoor Lighting Systems. IEEE Internet of Things Journal, 2019, 6, 7175-7182.	8.7	11
34	New Perspectives in Landslide Displacement Detection Using Sentinel-1 Datasets. Remote Sensing, 2019, 11, 2135.	4.0	16
35	Embedded systems for time–critical applications over Wi-Fi: design and experimental assessment. , 2019, , .		2
36	Multidisciplinary Analysis and Modelling of a River Embankment Affected by Piping. Lecture Notes in Civil Engineering, 2019, , 234-244.	0.4	5

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37	A Distributed Method for Linear Programming Problems With Box Constraints and Time-Varying Inequalities. , 2019, 3, 404-409.		21
38	Multiagent Newtonâ€"Raphson Optimization Over Lossy Networks. IEEE Transactions on Automatic Control, 2019, 64, 2983-2990.	5.7	14
39	Analysis of a Minimal Gene Regulatory Network for Cell Differentiation. , 2019, 3, 302-307.		1
40	Safe Distributed Control of Wireless Power Transfer Networks. IEEE Internet of Things Journal, 2019, 6, 1267-1275.	8.7	14
41	Design and field testing of a fiber optic pressure sensor for underground water level monitoring. , 2019, , .		3
42	An optical fibre cable for distributed pressure sensing: a proof of concept. , 2019, , .		2
43	Distributed strain measurements in a CFA pile using high spatial resolution fibre optic sensors. Engineering Structures, 2018, 160, 554-565.	5.3	35
44	Is ADMM always faster than Average Consensus?. Automatica, 2018, 91, 311-315.	5.0	6
45	Adaptive Proportionalâ€"Integral Clock Synchronization in Wireless Sensor Networks. IEEE Transactions on Control Systems Technology, 2018, 26, 610-623.	5.2	45
46	Multi-agent distributed optimization algorithms for partition-based linear programming (LP) problems. , 2018, , .		0
47	SNR-triggered Communication Rate for LQG Control over Wi-Fi. , 2018, , .		4
48	A Partition-Based Implementation of the Relaxed ADMM for Distributed Convex Optimization over Lossy Networks. , 2018, , .		5
49	Heavy-tails in Kalman filtering with packet losses: confidence bounds vs second moment stability. , 2018, , .		3
50	Distributed Optimization over Lossy Networks via Relaxed Peaceman-Rachford Splitting: a Robust ADMM Approach. , 2018, , .		10
51	Hands-On Experience of Crowdsourcing for Flood Risks. An Android Mobile Application Tested in Frederikssund, Denmark. International Journal of Environmental Research and Public Health, 2018, 15, 1926.	2.6	15
52	On the use of OFDR for high-spatial resolution strain measurements in mechanical and geotechnical engineering. , 2018, , .		6
53	Monitoring the Foundation Soil of an Existing Levee Using Distributed Temperature Fiber Optic Sensors. Springer Series in Geomechanics and Geoengineering, 2018, , 677-680.	0.1	0
54	Application of a high resolution distributed temperature sensor in a physical model reproducing subsurface water flow. Measurement: Journal of the International Measurement Confederation, 2017, 98, 321-324.	5.0	20

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55	Feedback Control Over Lossy SNR-Limited Channels: Linear Encoder–Decoder–Controller Design. IEEE Transactions on Automatic Control, 2017, 62, 3054-3061.	5.7	14
56	Asynchronous Distributed Camera Network Patrolling Under Unreliable Communication. IEEE Transactions on Automatic Control, 2017, 62, 5982-5989.	5.7	10
57	High density distributed strain sensing of landslide in large scale physical model. Proceedings of SPIE, 2017, , .	0.8	2
58	A Data-Driven Daylight Estimation Approach to Lighting Control. IEEE Access, 2017, 5, 21461-21471.	4.2	29
59	Distributed optical fibre sensing for early detection of shallow landslides triggering. Scientific Reports, 2017, 7, 14686.	3.3	91
60	Distributed Control of Wireless Power Transfer Subject to Safety Constraints. IFAC-PapersOnLine, 2017, 50, 13210-13215.	0.9	4
61	Landslides Inventory and Trans-boundary Risk Management in Koshi River Basin, Himalaya. Springer Geography, 2017, , 409-426.	0.4	3
62	Statistical bounds for Gaussian regression algorithms based on Karhunen-Loève expansions. , 2017, , .		0
63	Average Consensus with Asynchronous Updates and Unreliable Communication. IFAC-PapersOnLine, 2017, 50, 601-606.	0.9	13
64	Distributed Kalman filtering for Time-Space Gaussian Processes * *This work is supported by Progetto di Ateneo CPDA147754/14-New statistical learning approach for multi-agents adaptive estimation and coverage control.. IFAC-PapersOnLine, 2017, 50, 13234-13239.	0.9	1
65	PMUs clock de-synchronization compensation for smart grid state estimation. , 2017, , .		1
66	A distributed dual-ascent approach for power control of wireless power transfer networks. , 2017, , .		7
67	A Review of Distributed Fibre Optic Sensors for Geo-Hydrological Applications. Applied Sciences (Switzerland), 2017, 7, 896.	2.5	152
68	A Monitoring Network to Map and Assess Landslide Activity in a Highly Anthropized Area. Geosciences (Switzerland), 2016, 6, 40.	2.2	4
69	An identification approach to lighting control. , 2016, , .		7
70	On the performance of consensus based versus Lagrangian based algorithms for quadratic cost functions. , 2016, , .		1
71	Optical fiber load sensor based on a semi-auxetic structure: a proof of concept. , 2016, , .		1
72	Fiber optic sensor for hydrostatic pressure and temperature measurement in riverbanks monitoring. Optics and Laser Technology, 2016, 82, 57-62.	4.6	35

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73	Distributed Source Seeking via a Circular Formation of Agents Under Communication Constraints. IEEE Transactions on Control of Network Systems, 2016, 3, 104-115.	3.7	67
74	Newton-Raphson Consensus for Distributed Convex Optimization. IEEE Transactions on Automatic Control, 2016, 61, 994-1009.	5.7	129
75	Semi-auxetic optical fibre distributed load sensor. , 2016, , .		0
76	A Robust Block-Jacobi Algorithm for Quadratic Programming under Lossy Communications. IFAC-PapersOnLine, 2015, 48, 126-131.	0.9	10
77	Multi-temporal LiDAR-DTMs as a tool for modelling a complex landslide: a case study in the Rotolon catchment (eastern Italian Alps). Natural Hazards and Earth System Sciences, 2015, 15, 715-722.	3.6	34
78	Optical fiber sensor for simultaneous measurement of hydrostatic pressure and temperature in soil embankments. , 2015, , .		1
79	Multi-agents adaptive estimation and coverage control using Gaussian regression. , 2015, , .		18
80	Distributed quadratic programming under asynchronous and lossy communications via Newton-Raphson consensus. , 2015, , .		10
81	Analysis of Newton-Raphson consensus for multi-agent convex optimization under asynchronous and lossy communications. , 2015, , .		26
82	Linear encoder-decoder-controller design over channels with packet loss and quantization noise. , 2015, , .		5
83	Auto-tuning procedures for distributed nonparametric regression algorithms. , 2015, , .		1
84	Feasibility of crack monitoring in a road tunnel based on a low cost plastic optical fiber sensor. , 2015, , .		2
85	Adaptive control-based clock synchronization in wireless sensor networks. , 2015, , .		18
86	Crack Monitoring in a Road Tunnel by Plastic Optical Fibre Sensing. , 2015, , .		0
87	Personal lighting control with occupancy and daylight adaptation. Energy and Buildings, 2015, 105, 263-272.	6.7	41
88	Lighting control with distributed wireless sensing and actuation for daylight and occupancy adaptation. Energy and Buildings, 2015, 97, 13-20.	6.7	54
89	Centralized lighting control with luminaire-based occupancy and light sensing. , 2015, , .		2
90	The Rotolon Catchment Early-Warning System. , 2015, , 91-95.		6

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91	Ganderberg Landslide Characterization Through Monitoring. , 2015, , 1327-1331.		0
92	Evaluating data quality collected by volunteers for first-level inspection of hydraulic structures in mountain catchments. Natural Hazards and Earth System Sciences, 2014, 14, 2681-2698.	3.6	5
93	Bayesian linear state estimation using smart meters and PMUs measurements in distribution grids. , 2014, , .		63
94	On the Role of Phasor Measurement Units for Distribution System State Estimation. , 2014, , .		17
95	LQG-like control of scalar systems over communication channels: The role of data losses, delays and SNR limitations. Automatica, 2014, 50, 3155-3163.	5.0	9
96	Distributed Cardinality Estimation in Anonymous Networks. IEEE Transactions on Automatic Control, 2014, 59, 645-659.	5.7	42
97	A web-based platform for automatic and continuous landslide monitoring: The Rotolon (Eastern) Tj ETQq1 1 0.784314 rgBT /Overlock 1	4.2	44
98	An Asynchronous Consensus-Based Algorithm for Estimation From Noisy Relative Measurements. IEEE Transactions on Control of Network Systems, 2014, 1, 283-295.	3.7	39
99	Remote Estimation With Noisy Measurements Subject to Packet Loss and Quantization Noise. IEEE Transactions on Control of Network Systems, 2014, 1, 204-217.	3.7	31
100	A variation of the Newtonâ€"Pepys problem and its connections to size-estimation problems. Statistics and Probability Letters, 2013, 83, 1472-1478.	0.7	3
101	Finding Potential Support Vectors in Separable Classification Problems. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1799-1813.	11.3	1
102	LQG cheap control over SNR-limited lossy channels with delay. , 2013, , .		9
103	Identification of power distribution network topology via voltage correlation analysis. , 2013, , .		150
104	Remote estimation subject to packet loss and quantization noise. , 2013, , .		7
105	Interrogation of multiple ferrule-top-cantilever sensors for acoustic emission sensing. , 2013, , .		2
106	LQG cheap control subject to packet loss and SNR limitations. , 2013, , .		10
107	Consensus-based source-seeking with a circular formation of agents. , 2013, , .		14
108	Analysis of fiber optic sensor application to precursory acoustic signals detection in rockfall events. , 2012, , .		1

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109	Multi-agent perimeter patrolling subject to mobility constraints. , 2012, , .		10
110	Multidimensional Newton-Raphson consensus for distributed convex optimization. , 2012, , .		19
111	Asynchronous Newton-Raphson Consensus for Distributed Convex Optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 133-138.	0.4	26
112	Distributed parametric and nonparametric regression with on-line performance bounds computation. Automatica, 2012, 48, 2468-2481.	5.0	18
113	The convergence rate of Newton-Raphson consensus optimization for quadratic cost functions. , 2012, , .		2
114	Consensus based estimation of anonymous networks size using Bernoulli trials. , 2012, , .		4
115	Distributed multi-hop reactive power compensation in smart micro-grids subject to saturation constraints. , 2012, , .		14
116	Optimal Synchronization for Networks of Noisy Double Integrators. IEEE Transactions on Automatic Control, 2011, 56, 1146-1152.	5.7	91
117	Newton-Raphson consensus for distributed convex optimization. , 2011, , .		60
118	Gossip Algorithms for Simultaneous Distributed Estimation and Classification in Sensor Networks. IEEE Journal on Selected Topics in Signal Processing, 2011, 5, 691-706.	10.8	32
119	Average TimeSynch: A consensus-based protocol for clock synchronization in wireless sensor networks. Automatica, 2011, 47, 1878-1886.	5.0	388
120	Information fusion strategies and performance bounds in packet-drop networks. Automatica, 2011, 47, 1304-1316.	5.0	60
121	Distributed partitioning strategies for perimeter patrolling. , 2011, , .		17
122	On the discardability of data in support vector classification problems. , 2011, , .		2
123	Gossip algorithms for distributed ranking. , 2011, , .		11
124	Simultaneous distributed estimation and classification in sensor networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 281-286.	0.4	2
125	On the Graph Building Problem in Camera Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 299-304.	0.4	3
126	Consensusâ€based distributed sensor calibration and leastâ€square parameter identification in WSNs. International Journal of Robust and Nonlinear Control, 2010, 20, 176-193.	3.7	53

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127	Decentralized task assignment in camera networks. , 2010, , .		12
128	Distributed perimeter patrolling and tracking for camera networks. , 2010, , .		30
129	Distributed statistical estimation of the number of nodes in sensor networks. , 2010, , .		32
130	Dual-core elliptical hollow optical fiber with linearly wavelength-decreasing birefringence. , 2010, , .		0
131	Distributed consensus-based Bayesian estimation: sufficient conditions for performance characterization. , 2010, , .		5
132	Single-Pump Parametric Amplification in Randomly Birefringent Unidirectionally Spun Fibers. IEEE Photonics Technology Letters, 2010, 22, 73-75.	2.5	5
133	Characterization of a novel dual-core elliptical hollow optical fiber with wavelength decreasing differential group delay. Optics Express, 2010, 18, 20344.	3.4	3
134	A Survey on Distributed Estimation and Control Applications Using Linear Consensus Algorithms. Lecture Notes in Control and Information Sciences, 2010, , 75-107.	1.0	94
135	To Zero or to Hold Control Inputs With Lossy Links?. IEEE Transactions on Automatic Control, 2009, 54, 1093-1099.	5.7	242
136	Trust Estimation in autonomic networks: a statistical mechanics approach. , 2009, , .		14
137	Distributed function and time delay estimation using nonparametric techniques. , 2009, , .		2
138	Attitude Stabilization of a Biologically Inspired Robotic Housefly via Dynamic Multimodal Attitude Estimation. Advanced Robotics, 2009, 23, 2113-2138.	1.8	8
139	Unidirectionally spun fibers for efficient narrow-band parametric amplification. , 2009, , .		2
140	The â€œWireless Sensor Networks for City-Wide Ambient Intelligence (WISE-WAI)â€•Project. Sensors, 2009, 9, 4056-4082.	3.8	37
141	Polarization control for slow and fast light in fiber optical, Raman-assisted, parametric amplification. Comptes Rendus Physique, 2009, 10, 980-990.	0.9	1
142	Design, estimation and experimental validation of optical Polarization Mode Dispersion Compensator in 40 Gbit/s NRZ and RZ optical systems. Optical Fiber Technology, 2009, 15, 242-250.	2.7	2
143	Attitude Estimation of a Biologically Inspired Robotic Housefly via Multimodal Sensor Fusion. Advanced Robotics, 2009, 23, 955-977.	1.8	17
144	Average TimeSync: a consensus-based protocol for time synchronization in wireless sensor networks1. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 30-35.	0.4	45

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145	Performance bounds for information fusion strategies in packet-drop networks. , 2009, , .		1
146	Optimal linear LQG control over lossy networks without packet acknowledgment. Asian Journal of Control, 2008, 10, 3-13.	3.0	72
147	Reflectometric Characterization of Hinges in Optical Fiber Links. IEEE Photonics Technology Letters, 2008, 20, 854-856.	2.5	7
148	Reflectometric measurement of birefringence rotation in single-mode optical fibers. Optics Letters, 2008, 33, 2284.	3.3	19
149	Distributed Polarization-Mode-Dispersion Measurement in Fiber Links by Polarization-Sensitive Reflectometric Techniques. IEEE Photonics Technology Letters, 2008, 20, 1944-1946.	2.5	19
150	Polarized Brillouin Amplification in Randomly Birefringent and Unidirectionally Spun Fibers. IEEE Photonics Technology Letters, 2008, 20, 1420-1422.	2.5	26
151	Polarized Backward Raman Amplification in Unidirectionally Spun Fibers. IEEE Photonics Technology Letters, 2008, 20, 27-29.	2.5	11
152	About the Differential Group Delay of Spun Fibers. Journal of Lightwave Technology, 2008, 26, 3660-3668.	4.6	5
153	Fundamental and Random Birefringence Limitations to Delay in Slow Light Fiber Parametric Amplification. Journal of Lightwave Technology, 2008, 26, 3721-3726.	4.6	10
154	Distributed Kalman filtering based on consensus strategies. IEEE Journal on Selected Areas in Communications, 2008, 26, 622-633.	14.0	413
155	Optimal Estimation in Networked Control Systems Subject to Random Delay and Packet Drop. IEEE Transactions on Automatic Control, 2008, 53, 1311-1317.	5.7	409
156	Performance analysis of different routing protocols in Wireless Sensor Networks for real-time estimation. , 2008, , .		1
157	Sensor fusion and estimation strategies for data traffic reduction in rooted wireless sensor networks. , 2008, , .		6
158	Narrow Band Optical Parametric Amplification for Slow Light in Randomly Birefringent Fibers. , 2008, , .		2
159	A reflectometric technique for an almost complete characterization of birefringence in single-mode optical fibers. , 2008, , .		0
160	Reflectometric Characterization of Hinges in Fiber Optic Links. , 2008, , .		2
161	Distributed sensor calibration and least-square parameter identification in WSNs using consensus algorithms. , 2008, , .		2
162	Information fusion strategies from distributed filters in packet-drop networks. , 2008, , .		8

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163	Multimodal sensor fusion for attitude estimation of micromechanical flying insects: A geometric approach. , 2008, , .		13
164	Modeling and Design of Low-PMD Spun Fibers. Fiber and Integrated Optics, 2008, 27, 216-222.	2.5	0
165	Fundamental limit of the achievable time delay in Slow-light NB-OPA. , 2008, , .		1
166	Stimulated Brillouin scattering in randomly birefringent, unidirectionally spun fibers. , 2008, , .		1
167	A PI Consensus Controller for Networked Clocks Synchronization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 10289-10294.	0.4	55
168	Unusual Polarization Properties of Single-Mode Randomly Birefringent Spun Fibers. , 2007, , .		0
169	Optimal sensor fusion for distributed sensors subject to random delay and packet loss. , 2007, , .		31
170	Distributed Kalman filtering using consensus strategies. , 2007, , .		42
171	Influence of the birefringence autocorrelation function on the polarization mode dispersion of constantly spun fibers. Optics Letters, 2007, 32, 3236.	3.3	3
172	Unimpaired phase-sensitive amplification by vector four-wave mixing near the zero-dispersion frequency. Optics Express, 2007, 15, 2178.	3.4	18
173	Stokes-space derivations of generalized Schrodinger equations for wave propagation in various fibers. Optics Express, 2007, 15, 10964.	3.4	6
174	Foundations of Control and Estimation Over Lossy Networks. Proceedings of the IEEE, 2007, 95, 163-187.	21.3	1,108
175	Tracking and Coordination of Multiple Agents Using Sensor Networks: System Design, Algorithms and Experiments. Proceedings of the IEEE, 2007, 95, 234-254.	21.3	113
176	Experimental Evaluation of an Industrial Application Layer Protocol Over Wireless Systems. IEEE Transactions on Industrial Informatics, 2007, 3, 275-288.	11.3	13
177	A distributed consensus protocol for clock synchronization in wireless sensor network. , 2007, , .		151
178	Optical parametric amplification for slow light in random birefringence fibers. , 2007, , .		3
179	To zero or to hold control inputs in lossy networked control systems?. , 2007, , .		2
180	Optimal estimation in networked control systems subject to random delay and packet loss. , 2006, , .		63

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181	Experimental justification of a method for low-PMD measurements. IEEE Photonics Technology Letters, 2006, 18, 1228-1230.	2.5	0
182	Flapping flight for biomimetic robotic insects: part II-flight control design. , 2006, 22, 789-803.		223
183	Flapping flight for biomimetic robotic insects: part I-system modeling. , 2006, 22, 776-788.		271
184	Simplified phenomenological model for randomly birefringent strongly spun fibers. Optics Letters, 2006, 31, 2275.	3.3	14
185	Four-wave mixing in a rapidly-spun fiber. Optics Express, 2006, 14, 8516.	3.4	19
186	Polarization Mode Dispersion Management Using Unidirectionally Spun Fibers. Journal of Lightwave Technology, 2006, 24, 3976-3981.	4.6	3
187	Low polarization mode dispersion measurements in ad hoc drawn spun fibers. Optical Fiber Technology, 2006, 12, 323-327.	2.7	3
188	Polarization properties of randomly-birefringent spun fibers. Optical Fiber Technology, 2006, 12, 205-216.	2.7	13
189	Optimal rendezvous control for randomized communication topologies. , 2006, , .		8
190	PMD Management in Unidirectionally Spun Fiber Links. , 2006, , .		0
191	Optimal Linear LQG Control Over Lossy Networks Without Packet Acknowledgment. , 2006, , .		29
192	LQG CONTROL WITH MISSING OBSERVATION AND CONTROL PACKETS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 1-6.	0.4	13
193	Effects of spin inaccuracy on PMD reduction in spun fibers. Journal of Lightwave Technology, 2005, 23, 4184-4191.	4.6	4
194	Time varying optimal control with packet losses. , 2004, , .		27
195	Kalman Filtering With Intermittent Observations. IEEE Transactions on Automatic Control, 2004, 49, 1453-1464.	5.7	2,100
196	Attitude Control for a Micromechanical Flying Insect via Sensor Output Feedback. IEEE Transactions on Automation Science and Engineering, 2004, 20, 93-106.	2.3	39
197	Distributed control applications within sensor networks. Proceedings of the IEEE, 2003, 91, 1235-1246.	21.3	294
198	Process variation analysis for MEMS design. , 2001, , .		10

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199	Virtual insect flight simulator (VIFS): a software testbed for insect flight. , 0, , .		21
200	Hovering flight control of a micromechanical flying insect. , 0, , .		9
201	Flight control system for a micromechanical flying insect: architecture and implementation. , 0, , .		19
202	Model identification and attitude control scheme for a micromechanical flying insect. , 0, , .		6
203	Controllability issues in flapping right for biomimetic micro aerial vehicles (MAVs). , 0, , .		22
204	Biomimetic sensor suite for flight control of a micromechanical flying insect: design and experimental results. , 0, , .		20
205	Kalman filtering with intermittent observations. , 0, , .		39
206	Swarm Coordination for Pursuit Evasion Games using Sensor Networks. , 0, , .		41
207	A Hierarchical Multiple-Target Tracking Algorithm for Sensor Networks. , 0, , .		30
208	Polarization Optical Time Domain Reflectrometry Measurements. , 0, , .		0
209	Optimal control with unreliable communication: the TCP case. , 0, , .		51
210	An LQG Optimal Linear Controller for Control Systems with Packet Losses. , 0, , .		40
211	Fiber optic sensors for precursory acoustic signals detection in rockfall events. Journal of the European Optical Society-Rapid Publications, 0, 7, .	1.9	16
212	Landslide monitoring with an integrated platform: methodology, design and case study. Rendiconti Online Societa Geologica Italiana, 0, 30, 24-27.	0.3	1
213	Cumulative monitoring of strain in concrete structures with polymer optical fibers. Rendiconti Online Societa Geologica Italiana, 0, 39, 19-22.	0.3	1
214	A mobile application to engage citizens and volunteers. Crowdsourcing within natural hazard. Rendiconti Online Societa Geologica Italiana, 0, 42, 70-72.	0.3	4
215	Data fusion for dissemination: web applications for the visualization of monitoring data. Rendiconti Online Societa Geologica Italiana, 0, 39, 31-34.	0.3	0
216	Usability and communication of mobile applications for risk management: the experience of MAppERS. Rendiconti Online Societa Geologica Italiana, 0, 46, 101-106.	0.3	0