

Luca Schenato

List of Publications by Year in descending order

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216
papers

9,208
citations

147786

31
h-index

53222

85
g-index

224
all docs

224
docs citations

224
times ranked

5223
citing authors

#	ARTICLE	IF	CITATIONS
1	Kalman Filtering With Intermittent Observations. IEEE Transactions on Automatic Control, 2004, 49, 1453-1464.	5.7	2,100
2	Foundations of Control and Estimation Over Lossy Networks. Proceedings of the IEEE, 2007, 95, 163-187.	21.3	1,108
3	Distributed Kalman filtering based on consensus strategies. IEEE Journal on Selected Areas in Communications, 2008, 26, 622-633.	14.0	413
4	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
5	Average TimeSynch: A consensus-based protocol for clock synchronization in wireless sensor networks. Automatica, 2011, 47, 1878-1886.	5.0	388
6	Distributed control applications within sensor networks. Proceedings of the IEEE, 2003, 91, 1235-1246.	21.3	294
7	Flapping flight for biomimetic robotic insects: part I-system modeling. , 2006, 22, 776-788.		271
8	To Zero or to Hold Control Inputs With Lossy Links?. IEEE Transactions on Automatic Control, 2009, 54, 1093-1099.	5.7	242
9	Flapping flight for biomimetic robotic insects: part II-flight control design. , 2006, 22, 789-803.		223
10	A Review of Distributed Fibre Optic Sensors for Geo-Hydrological Applications. Applied Sciences (Switzerland), 2017, 7, 896.	2.5	152
11	A distributed consensus protocol for clock synchronization in wireless sensor network. , 2007, , .		151
12	Identification of power distribution network topology via voltage correlation analysis. , 2013, , .		150
13	Newton-Raphson Consensus for Distributed Convex Optimization. IEEE Transactions on Automatic Control, 2016, 61, 994-1009.	5.7	129
14	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
15	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
16	Optimal Synchronization for Networks of Noisy Double Integrators. IEEE Transactions on Automatic Control, 2011, 56, 1146-1152.	5.7	91
17	Distributed optical fibre sensing for early detection of shallow landslides triggering. Scientific Reports, 2017, 7, 14686.	3.3	91
18	Optimal linear LQG control over lossy networks without packet acknowledgment. Asian Journal of Control, 2008, 10, 3-13.	3.0	72

#	ARTICLE	IF	CITATIONS
19	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
20	Optimal estimation in networked control systems subject to random delay and packet loss. , 2006, , .		63
21	Bayesian linear state estimation using smart meters and PMUs measurements in distribution grids. , 2014, , .		63
22	Newton-Raphson consensus for distributed convex optimization. , 2011, , .		60
23	Information fusion strategies and performance bounds in packet-drop networks. Automatica, 2011, 47, 1304-1316.	5.0	60
24	A PI Consensus Controller for Networked Clocks Synchronization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 10289-10294.	0.4	55
25	Lighting control with distributed wireless sensing and actuation for daylight and occupancy adaptation. Energy and Buildings, 2015, 97, 13-20.	6.7	54
26	Consensus-based distributed sensor calibration and least-square parameter identification in WSNs. International Journal of Robust and Nonlinear Control, 2010, 20, 176-193.	3.7	53
27	Optimal control with unreliable communication: the TCP case. , 0, , .		51
28	Average TimeSync: a consensus-based protocol for time synchronization in wireless sensor networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 30-35.	0.4	45
29	Adaptive Proportional-Integral Clock Synchronization in Wireless Sensor Networks. IEEE Transactions on Control Systems Technology, 2018, 26, 610-623.	5.2	45
30	A web-based platform for automatic and continuous landslide monitoring: The Rotolon (Eastern Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3	4.2	44
31	Distributed Kalman filtering using consensus strategies. , 2007, , .		42
32	Distributed Cardinality Estimation in Anonymous Networks. IEEE Transactions on Automatic Control, 2014, 59, 645-659.	5.7	42
33	Swarm Coordination for Pursuit Evasion Games using Sensor Networks. , 0, , .		41
34	Personal lighting control with occupancy and daylight adaptation. Energy and Buildings, 2015, 105, 263-272.	6.7	41
35	An LQG Optimal Linear Controller for Control Systems with Packet Losses. , 0, , .		40
36	Kalman filtering with intermittent observations. , 0, , .		39

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37	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
38	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
39	The "Wireless Sensor Networks for City-Wide Ambient Intelligence (WISE-WAI)" Project. Sensors, 2009, 9, 4056-4082.	3.8	37
40	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
41	Fiber optic sensor for hydrostatic pressure and temperature measurement in riverbanks monitoring. Optics and Laser Technology, 2016, 82, 57-62.	4.6	35
42	Distributed strain measurements in a CFA pile using high spatial resolution fibre optic sensors. Engineering Structures, 2018, 160, 554-565.	5.3	35
43	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
44	Distributed statistical estimation of the number of nodes in sensor networks. , 2010, , .		32
45	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
46	Highly Sensitive FBG Pressure Sensor Based on a 3D-Printed Transducer. Journal of Lightwave Technology, 2019, 37, 4784-4790.	4.6	32
47	Optimal sensor fusion for distributed sensors subject to random delay and packet loss. , 2007, , .		31
48	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
49	A Hierarchical Multiple-Target Tracking Algorithm for Sensor Networks. , 0, , .		30
50	Distributed perimeter patrolling and tracking for camera networks. , 2010, , .		30
51	Multirobot Symmetric Formations for Gradient and Hessian Estimation With Application to Source Seeking. IEEE Transactions on Robotics, 2019, 35, 782-789.	10.3	30
52	Optimal Linear LQG Control Over Lossy Networks Without Packet Acknowledgment. , 2006, , .		29
53	A Data-Driven Daylight Estimation Approach to Lighting Control. IEEE Access, 2017, 5, 21461-21471.	4.2	29
54	Time varying optimal control with packet losses. , 2004, , .		27

#	ARTICLE	IF	CITATIONS
55	Polarized Brillouin Amplification in Randomly Birefringent and Unidirectionally Spun Fibers. IEEE Photonics Technology Letters, 2008, 20, 1420-1422.	2.5	26
56	Asynchronous Newton-Raphson Consensus for Distributed Convex Optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 133-138.	0.4	26
57	Analysis of Newton-Raphson consensus for multi-agent convex optimization under asynchronous and lossy communications. , 2015, , .		26
58	Controllability issues in flapping robot for biomimetic micro aerial vehicles (MAVs). , 0, , .		22
59	An Optical Fiber Distributed Pressure Sensing Cable With Pa-Sensitivity and Enhanced Spatial Resolution. IEEE Sensors Journal, 2020, 20, 5900-5908.	4.7	22
60	A Rugged FBG-Based Pressure Sensor for Water Level Monitoring in Dikes. IEEE Sensors Journal, 2021, 21, 13263-13271.	4.7	22
61	Virtual insect flight simulator (VIFS): a software testbed for insect flight. , 0, , .		21
62	A Distributed Method for Linear Programming Problems With Box Constraints and Time-Varying Inequalities. , 2019, 3, 404-409.		21
63	Biomimetic sensor suite for flight control of a micromechanical flying insect: design and experimental results. , 0, , .		20
64	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
65	Flight control system for a micromechanical flying insect: architecture and implementation. , 0, , .		19
66	Four-wave mixing in a rapidly-spun fiber. Optics Express, 2006, 14, 8516.	3.4	19
67	Reflectometric measurement of birefringence rotation in single-mode optical fibers. Optics Letters, 2008, 33, 2284.	3.3	19
68	Distributed Polarization-Mode-Dispersion Measurement in Fiber Links by Polarization-Sensitive Reflectometric Techniques. IEEE Photonics Technology Letters, 2008, 20, 1944-1946.	2.5	19
69	Multidimensional Newton-Raphson consensus for distributed convex optimization. , 2012, , .		19
70	Composite Anchors for Slope Stabilisation: Monitoring of their In-Situ Behaviour with Optical Fibre. Geosciences (Switzerland), 2019, 9, 240.	2.2	19
71	Unimpaired phase-sensitive amplification by vector four-wave mixing near the zero-dispersion frequency. Optics Express, 2007, 15, 2178.	3.4	18
72	Distributed parametric and nonparametric regression with on-line performance bounds computation. Automatica, 2012, 48, 2468-2481.	5.0	18

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73	Multi-agents adaptive estimation and coverage control using Gaussian regression. , 2015, , .		18
74	Adaptive control-based clock synchronization in wireless sensor networks. , 2015, , .		18
75	Attitude Estimation of a Biologically Inspired Robotic Housefly via Multimodal Sensor Fusion. Advanced Robotics, 2009, 23, 955-977.	1.8	17
76	Distributed partitioning strategies for perimeter patrolling. , 2011, , .		17
77	On the Role of Phasor Measurement Units for Distribution System State Estimation. , 2014, , .		17
78	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
79	Fiber optic sensors for precursory acoustic signals detection in rockfall events. Journal of the European Optical Society-Rapid Publications, 0, 7, .	1.9	16
80	New Perspectives in Landslide Displacement Detection Using Sentinel-1 Datasets. Remote Sensing, 2019, 11, 2135.	4.0	16
81	A distributed optimal power management system for microgrids with plug&play capabilities. Advanced Control for Applications, 2021, 3, .	1.7	16
82	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
83	Simplified phenomenological model for randomly birefringent strongly spun fibers. Optics Letters, 2006, 31, 2275.	3.3	14
84	Trust Estimation in autonomic networks: a statistical mechanics approach. , 2009, , .		14
85	Distributed multi-hop reactive power compensation in smart micro-grids subject to saturation constraints. , 2012, , .		14
86	Consensus-based source-seeking with a circular formation of agents. , 2013, , .		14
87	Feedback Control Over Lossy SNR-Limited Channels: Linear Encoder&Decoder&Controller Design. IEEE Transactions on Automatic Control, 2017, 62, 3054-3061.	5.7	14
88	Multiagent Newton&Raphson Optimization Over Lossy Networks. IEEE Transactions on Automatic Control, 2019, 64, 2983-2990.	5.7	14
89	Safe Distributed Control of Wireless Power Transfer Networks. IEEE Internet of Things Journal, 2019, 6, 1267-1275.	8.7	14
90	Cooperative Aerial Load Transportation via Sampled Communication. , 2020, 4, 277-282.		14

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91	LQG CONTROL WITH MISSING OBSERVATION AND CONTROL PACKETS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 1-6.	0.4	13
92	Polarization properties of randomly-birefringent spun fibers. Optical Fiber Technology, 2006, 12, 205-216.	2.7	13
93	Experimental Evaluation of an Industrial Application Layer Protocol Over Wireless Systems. IEEE Transactions on Industrial Informatics, 2007, 3, 275-288.	11.3	13
94	Multimodal sensor fusion for attitude estimation of micromechanical flying insects: A geometric approach. , 2008, , .		13
95	Average Consensus with Asynchronous Updates and Unreliable Communication. IFAC-PapersOnLine, 2017, 50, 601-606.	0.9	13
96	Distributed Multi-Agent Gaussian Regression via Finite-Dimensional Approximations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 2098-2111.	13.9	13
97	Decentralized task assignment in camera networks. , 2010, , .		12
98	Polarized Backward Raman Amplification in Unidirectionally Spun Fibers. IEEE Photonics Technology Letters, 2008, 20, 27-29.	2.5	11
99	Gossip algorithms for distributed ranking. , 2011, , .		11
100	Classification of Occupancy Sensor Anomalies in Connected Indoor Lighting Systems. IEEE Internet of Things Journal, 2019, 6, 7175-7182.	8.7	11
101	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
102	Process variation analysis for MEMS design. , 2001, , .		10
103	Fundamental and Random Birefringence Limitations to Delay in Slow Light Fiber Parametric Amplification. Journal of Lightwave Technology, 2008, 26, 3721-3726.	4.6	10
104	Multi-agent perimeter patrolling subject to mobility constraints. , 2012, , .		10
105	LQG cheap control subject to packet loss and SNR limitations. , 2013, , .		10
106	A Robust Block-Jacobi Algorithm for Quadratic Programming under Lossy Communications. IFAC-PapersOnLine, 2015, 48, 126-131.	0.9	10
107	Distributed quadratic programming under asynchronous and lossy communications via Newton-Raphson consensus. , 2015, , .		10
108	Asynchronous Distributed Camera Network Patrolling Under Unreliable Communication. IEEE Transactions on Automatic Control, 2017, 62, 5982-5989.	5.7	10

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109	Distributed Optimization over Lossy Networks via Relaxed Peaceman-Rachford Splitting: a Robust ADMM Approach. , 2018, , .		10
110	Partition-based multi-agent optimization in the presence of lossy and asynchronous communication. Automatica, 2020, 111, 108648.	5.0	10
111	Smart Grid State Estimation with PMUs Time Synchronization Errors. Energies, 2020, 13, 5148.	3.1	10
112	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
113	Hovering flight control of a micromechanical flying insect. , 0, , .		9
114	LQG cheap control over SNR-limited lossy channels with delay. , 2013, , .		9
115	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
116	Repeated ERTs 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
117	Optimal rendezvous control for randomized communication topologies. , 2006, , .		8
118	Information fusion strategies from distributed filters in packet-drop networks. , 2008, , .		8
119	Attitude Stabilization of a Biologically Inspired Robotic Housefly via Dynamic Multimodal Attitude Estimation. Advanced Robotics, 2009, 23, 2113-2138.	1.8	8
120	Adaptive transmission rate for LQG control over Wi-Fi: A cross-layer approach. Automatica, 2020, 119, 109092.	5.0	8
121	Reflectometric Characterization of Hinges in Optical Fiber Links. IEEE Photonics Technology Letters, 2008, 20, 854-856.	2.5	7
122	Remote estimation subject to packet loss and quantization noise. , 2013, , .		7
123	An identification approach to lighting control. , 2016, , .		7
124	A distributed dual-ascent approach for power control of wireless power transfer networks. , 2017, , .		7
125	Time-Critical Wireless Networked Embedded Systems: Feasibility and Experimental Assessment. IEEE Transactions on Industrial Informatics, 2020, 16, 7732-7742.	11.3	7
126	Mathematical modelling of SigE regulatory network reveals new insights into bistability of mycobacterial stress response. BMC Bioinformatics, 2021, 22, 558.	2.6	7

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127	Model identification and attitude control scheme for a micromechanical flying insect. , 0, , .		6
128	Stokes-space derivations of generalized Schrodinger equations for wave propagation in various fibers. Optics Express, 2007, 15, 10964.	3.4	6
129	Sensor fusion and estimation strategies for data traffic reduction in rooted wireless sensor networks. , 2008, , .		6
130	Is ADMM always faster than Average Consensus?. Automatica, 2018, 91, 311-315.	5.0	6
131	On the use of OFDR for high-spatial resolution strain measurements in mechanical and geotechnical engineering. , 2018, , .		6
132	The Rotolon Catchment Early-Warning System. , 2015, , 91-95.		6
133	Transmission power allocation for remote estimation with multi-packet reception capabilities. Automatica, 2022, 140, 110257.	5.0	6
134	About the Differential Group Delay of Spun Fibers. Journal of Lightwave Technology, 2008, 26, 3660-3668.	4.6	5
135	Distributed consensus-based Bayesian estimation: sufficient conditions for performance characterization. , 2010, , .		5
136	Single-Pump Parametric Amplification in Randomly Birefringent Unidirectionally Spun Fibers. IEEE Photonics Technology Letters, 2010, 22, 73-75.	2.5	5
137	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
138	Linear encoder-decoder-controller design over channels with packet loss and quantization noise. , 2015, , .		5
139	A Partition-Based Implementation of the Relaxed ADMM for Distributed Convex Optimization over Lossy Networks. , 2018, , .		5
140	Multidisciplinary Analysis and Modelling of a River Embankment Affected by Piping. Lecture Notes in Civil Engineering, 2019, , 234-244.	0.4	5
141	Effects of spin inaccuracy on PMD reduction in spun fibers. Journal of Lightwave Technology, 2005, 23, 4184-4191.	4.6	4
142	Consensus based estimation of anonymous networks size using Bernoulli trials. , 2012, , .		4
143	A Monitoring Network to Map and Assess Landslide Activity in a Highly Anthropized Area. Geosciences (Switzerland), 2016, 6, 40.	2.2	4
144	Distributed Control of Wireless Power Transfer Subject to Safety Constraints. IFAC-PapersOnLine, 2017, 50, 13210-13215.	0.9	4

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145	SNR-triggered Communication Rate for LQG Control over Wi-Fi. , 2018, , .		4
146	Anomalous occupancy sensor behavior detection in connected indoor lighting systems. , 2019, , .		4
147	Reference Governor for Constrained Control Over Lossy Channels. , 2020, 4, 271-276.		4
148	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
149	Remote MPC for Tracking Over Lossy Networks. , 2022, 6, 1040-1045.		4
150	A mobile application to engage citizens and volunteers. Crowdsourcing within natural hazard. Rendiconti Online Societa Geologica Italiana, 0, 42, 70-72.	0.3	4
151	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
152	Polarization Mode Dispersion Management Using Unidirectionally Spun Fibers. Journal of Lightwave Technology, 2006, 24, 3976-3981.	4.6	3
153	Low polarization mode dispersion measurements in ad hoc drawn spun fibers. Optical Fiber Technology, 2006, 12, 323-327.	2.7	3
154	Influence of the birefringence autocorrelation function on the polarization mode dispersion of constantly spun fibers. Optics Letters, 2007, 32, 3236.	3.3	3
155	Optical parametric amplification for slow light in random birefringence fibers. , 2007, , .		3
156	On the Graph Building Problem in Camera Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 299-304.	0.4	3
157	Characterization of a novel dual-core elliptical hollow optical fiber with wavelength decreasing differential group delay. Optics Express, 2010, 18, 20344.	3.4	3
158	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
159	Landslides Inventory and Trans-boundary Risk Management in Koshi River Basin, Himalaya. Springer Geography, 2017, , 409-426.	0.4	3
160	Heavy-tails in Kalman filtering with packet losses: confidence bounds vs second moment stability. , 2018, , .		3
161	Drive-by-Wi-Fi: testing 1 kHz control experiments over wireless. , 2019, , .		3
162	Design and field testing of a fiber optic pressure sensor for underground water level monitoring. , 2019, , .		3

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163	To zero or to hold control inputs in lossy networked control systems?. , 2007, , .		2
164	Narrow Band Optical Parametric Amplification for Slow Light in Randomly Birefringent Fibers. , 2008, , .		2
165	Reflectometric Characterization of Hinges in Fiber Optic Links. , 2008, , .		2
166	Distributed sensor calibration and least-square parameter identification in WSNs using consensus algorithms. , 2008, , .		2
167	Distributed function and time delay estimation using nonparametric techniques. , 2009, , .		2
168	Unidirectionally spun fibers for efficient narrow-band parametric amplification. , 2009, , .		2
169	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
170	Simultaneous distributed estimation and classification in sensor networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 281-286.	0.4	2
171	On the discardability of data in support vector classification problems. , 2011, , .		2
172	The convergence rate of Newton-Raphson consensus optimization for quadratic cost functions. , 2012, , .		2
173	Interrogation of multiple ferrule-top-cantilever sensors for acoustic emission sensing. , 2013, , .		2
174	Feasibility of crack monitoring in a road tunnel based on a low cost plastic optical fiber sensor. , 2015, , .		2
175	Centralized lighting control with luminaire-based occupancy and light sensing. , 2015, , .		2
176	High density distributed strain sensing of landslide in large scale physical model. Proceedings of SPIE, 2017, , .	0.8	2
177	Heavy-tails in Kalman filtering with packet losses. European Journal of Control, 2019, 50, 62-71.	2.6	2
178	Embedded systems for time-critical applications over Wi-Fi: design and experimental assessment. , 2019, , .		2
179	An optical fibre cable for distributed pressure sensing: a proof of concept. , 2019, , .		2
180	From Sensor to Processing Networks: Optimal Estimation with Computation and Communication Latency. IFAC-PapersOnLine, 2020, 53, 11024-11031.	0.9	2

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181	1 kHz Remote Control of a Balancing Robot with Wi-Fi-in-the-Loop. IFAC-PapersOnLine, 2020, 53, 2614-2619.	0.9	2
182	Performance analysis of different routing protocols in Wireless Sensor Networks for real-time estimation. , 2008, , .		1
183	Fundamental limit of the achievable time delay in Slow-light NB-OPA. , 2008, , .		1
184	Stimulated Brillouin scattering in randomly birefringent, unidirectionally spun fibers. , 2008, , .		1
185	Polarization control for slow and fast light in fiber optical, Raman-assisted, parametric amplification. Comptes Rendus Physique, 2009, 10, 980-990.	0.9	1
186	Analysis of fiber optic sensor application to precursory acoustic signals detection in rockfall events. , 2012, , .		1
187	Finding Potential Support Vectors in Separable Classification Problems. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1799-1813.	11.3	1
188	Optical fiber sensor for simultaneous measurement of hydrostatic pressure and temperature in soil embankments. , 2015, , .		1
189	Auto-tuning procedures for distributed nonparametric regression algorithms. , 2015, , .		1
190	On the performance of consensus based versus Lagrangian based algorithms for quadratic cost functions. , 2016, , .		1
191	Optical fiber load sensor based on a semi-auxetic structure: a proof of concept. , 2016, , .		1
192	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
193	PMUs clock de-synchronization compensation for smart grid state estimation. , 2017, , .		1
194	Analysis of a Minimal Gene Regulatory Network for Cell Differentiation. , 2019, 3, 302-307.		1
195	Performance bounds for information fusion strategies in packet-drop networks. , 2009, , .		1
196	Landslide monitoring with an integrated platform: methodology, design and case study. Rendiconti Online Societa Geologica Italiana, 0, 30, 24-27.	0.3	1
197	Cumulative monitoring of strain in concrete structures with polymer optical fibers. Rendiconti Online Societa Geologica Italiana, 0, 39, 19-22.	0.3	1
198	Accelerated Probabilistic State Estimation in Distribution Grids via Model Order Reduction. , 2021, , .		1

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199	A novel bound on the convergence rate of ADMM for distributed optimization. Automatica, 2022, 142, 110403.	5.0	1
200	Polarization Optical Time Domain Reflectometry Measurements. , 0, , .		0
201	Experimental justification of a method for low-PMD measurements. IEEE Photonics Technology Letters, 2006, 18, 1228-1230.	2.5	0
202	PMD Management in Unidirectionally Spun Fiber Links. , 2006, , .		0
203	Unusual Polarization Properties of Single-Mode Randomly Birefringent Spun Fibers. , 2007, , .		0
204	A reflectometric technique for an almost complete characterization of birefringence in single-mode optical fibers. , 2008, , .		0
205	Modeling and Design of Low-PMD Spun Fibers. Fiber and Integrated Optics, 2008, 27, 216-222.	2.5	0
206	Dual-core elliptical hollow optical fiber with linearly wavelength-decreasing birefringence. , 2010, , .		0
207	Crack Monitoring in a Road Tunnel by Plastic Optical Fibre Sensing. , 2015, , .		0
208	Statistical bounds for Gaussian regression algorithms based on Karhunen-Loève expansions. , 2017, , .		0
209	Multi-agent distributed optimization algorithms for partition-based linear programming (LP) problems. , 2018, , .		0
210	Constrained Control with Communication Blackouts: Theory and Experimental Validation over Wi-Fi. , 2021, , .		0
211	LQR Temperature Control in smart building via real-time weather forecasting. , 2021, , .		0
212	Ganderberg Landslide Characterization Through Monitoring. , 2015, , 1327-1331.		0
213	Semi-auxetic optical fibre distributed load sensor. , 2016, , .		0
214	Data fusion for dissemination: web applications for the visualization of monitoring data. Rendiconti Online Societa Geologica Italiana, 0, 39, 31-34.	0.3	0
215	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
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