

Xiaoxu Wang

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Gaussian filter for nonlinear systems with one-step randomly delayed measurements. <i>Automatica</i> , 2013, 49, 976-986.	5.0	90
2	A Gaussian approximation recursive filter for nonlinear systems with correlated noises. <i>Automatica</i> , 2012, 48, 2290-2297.	5.0	86
3	Design and implementation of Gaussian filter for nonlinear system with randomly delayed measurements and correlated noises. <i>Applied Mathematics and Computation</i> , 2014, 232, 1011-1024.	2.2	54
4	On Arithmetic Average Fusion and Its Application for Distributed Multi-Bernoulli Multitarget Tracking. <i>IEEE Transactions on Signal Processing</i> , 2020, , 1-1.	5.3	46
5	Surfactant-enhanced bioremediation of DDTs and PAHs in contaminated farmland soil. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1733-1744.	2.2	42
6	Gaussian filter for nonlinear systems with correlated noises at the same epoch. <i>Automatica</i> , 2015, 60, 122-126.	5.0	41
7	Structural Transformation of Polyacrylonitrile (PAN) Fibers during Rapid Thermal Pretreatment in Nitrogen Atmosphere. <i>Polymers</i> , 2020, 12, 63.	4.5	39
8	Nonlinear Gaussian Smoothers With Colored Measurement Noise. <i>IEEE Transactions on Automatic Control</i> , 2015, 60, 870-876.	5.7	37
9	Gaussian Smoothers for Nonlinear Systems With One-Step Randomly Delayed Measurements. <i>IEEE Transactions on Automatic Control</i> , 2013, 58, 1828-1835.	5.7	34
10	Hollow polymer microspheres containing a gold nanocolloid core adsorbed on the inner surface as a catalytic microreactor. <i>Journal of Materials Science</i> , 2010, 45, 3981-3989.	3.7	30
11	Gaussian-consensus filter for nonlinear systems with randomly delayed measurements in sensor networks. <i>Information Fusion</i> , 2016, 30, 91-102.	19.1	22
12	Measurement Random Latency Probability Identification. <i>IEEE Transactions on Automatic Control</i> , 2016, 61, 4210-4216.	5.7	22
13	Rapid and Continuous Preparation of Polyacrylonitrile-Based Carbon Fibers with Electron-Beam Irradiation Pretreatment. <i>Materials</i> , 2018, 11, 1270.	2.9	19
14	EM-based adaptive divided difference filter for nonlinear system with multiplicative parameter. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 2167-2197.	3.7	15
15	Characterization and Risk Assessment of Polycyclic Aromatic Hydrocarbons in Surface Water from Liaohe River, Northeast China. <i>Polycyclic Aromatic Compounds</i> , 2018, 38, 389-401.	2.6	15
16	Effects of oxygen on the structural evolution of polyacrylonitrile fibers during rapid thermal treatment. <i>RSC Advances</i> , 2020, 10, 6356-6361.	3.6	15
17	High-strength electrospun carbon nanofibrous mats prepared via rapid stabilization as frameworks for Li-ion battery electrodes. <i>Journal of Materials Science</i> , 2019, 54, 11574-11584.	3.7	14
18	Facile one-step synthesis of Co(OH) ₂ microsphere/graphene composites for an efficient supercapacitor electrode material. <i>RSC Advances</i> , 2015, 5, 38324-38329.	3.6	12

#	ARTICLE	IF	CITATIONS
19	Adaptive Gaussian mixture filter for Markovian jump nonlinear systems with colored measurement noises. <i>ISA Transactions</i> , 2018, 80, 111-126.	5.7	12
20	Influence of Celery on the Remediation of PAHs-contaminated Farm Soil. <i>Soil and Sediment Contamination</i> , 2019, 28, 200-212.	1.9	12
21	General equivalence between two kinds of noise-correlation filters. <i>Automatica</i> , 2014, 50, 3316-3318.	5.0	11
22	Target Tracking With Equality/Inequality Constraints Based on Trajectory Function of Time. <i>IEEE Signal Processing Letters</i> , 2021, 28, 1330-1334.	3.6	11
23	<i>In situ</i> sodium persulfate/calcium peroxide oxidation in remediation of TPH-contaminated soil in 3D-sand box. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 91-101.	2.2	10
24	Structure and tensile properties of carbon fibers based on electron-beam irradiated polyacrylonitrile fibers. <i>Journal of Materials Science</i> , 2020, 55, 4962-4969.	3.7	10
25	Gaussian/Gaussian mixture filters for nonlinear stochastic systems with delayed states. <i>IET Control Theory and Applications</i> , 2014, 8, 996-1008.	2.1	9
26	A particle filter via constrained sampling for nonlinear dynamic systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 4944-4959.	3.7	9
27	In-Situ Bioremediation of DDTs and PAH Contaminated Aging Farmland Soil Using Blood Meal. <i>Soil and Sediment Contamination</i> , 2017, 26, 623-635.	1.9	8
28	Effects of γ -Ray Irradiation on the Radial Structure Heterogeneity in Polyacrylonitrile Fibers during Thermal Stabilization. <i>Polymers</i> , 2018, 10, 943.	4.5	7
29	Mode separability-based state estimation for uncertain constrained dynamic systems. <i>Automatica</i> , 2020, 115, 108905.	5.0	7
30	Characterization, source apportionment and risk assessment of PAHs in urban surface dust in Shenyang city, China. <i>Environmental Geochemistry and Health</i> , 2022, 44, 3639-3654.	3.4	6
31	Optimal river monitoring network using optimal partition analysis: a case study of Hun River, Northeast China. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1359-1365.	2.2	5
32	Characterization, source apportionment, and risk assessment of polycyclic aromatic hydrocarbons (PAHs) in urban soils from 23 cities in China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 73401-73413.	5.3	5
33	Gaussian sum filter of Markov jump nonlinear systems. <i>IET Signal Processing</i> , 2015, 9, 335-340.	1.5	4
34	Gaussian sum approximation filter for nonlinear dynamic time-delay system. <i>Nonlinear Dynamics</i> , 2015, 82, 501-517.	5.2	4
35	A Track-oriented Approach to Target Tracking with Random Finite Set Observations. , 2019, , .		4
36	Effect of carbon fiber reinforcement on the compressive and thermal properties of hollow glass microspheres/epoxy syntactic foam. <i>Journal of Materials Science</i> , 2022, 57, 3396-3404.	3.7	4

#	ARTICLE	IF	CITATIONS
37	Polycyclic Aromatic Hydrocarbons in the Surface Water of the Taizi River in Northeast China. Polycyclic Aromatic Compounds, 2020, 40, 219-227.	2.6	3
38	A novel nonlinear filter through constructing the parametric Gaussian regression process. Nonlinear Dynamics, 2021, 105, 579-602.	5.2	3
39	Simultaneous Mean and Covariance Correction Filter for Orbit Estimation. Sensors, 2018, 18, 1444.	3.8	2
40	Multi-scale strength and buckling analysis of 3D woven composite spherical shells subjected to hydrostatic pressure. Journal of Industrial Textiles, 2022, 51, 6236S-6257S.	2.4	1
41	A new enabling variational inference model for approximating measurement likelihood in filtering nonlinear system. International Journal of Robust and Nonlinear Control, 2022, 32, 1738.	3.7	1
42	New insights into the radial structural differences of polyacrylonitrile fibres during thermal stabilization by the synchronous processing adjustment of time and temperature. RSC Advances, 2022, 12, 13339-13346.	3.6	1
43	Efficient implementation of maximization likelihood estimation to constrained measurement random latency probability in nonlinear system. , 2016, , .		0
44	Multiple model box-particle cardinality balanced multi-target multi-Bernoulli filter for multiple maneuvering targets tracking. , 2016, , .		0
45	Analytical identification of system parameter nonlinearly coupled in dynamic transition matrix. , 2016, , .		0
46	Covariance correction filter with unknown disturbance associated to system state. , 2016, , .		0
47	Model Fitting Filter. , 2018, , .		0
48	Efficient False Alarm Probability Identification for Linear System with Uncertain Measurement. , 2018, , .		0
49	Disparity Map Enhancement based Stereo Matching Method Using Optical Flow. , 2018, , .		0
50	Path Planning for Unmanned Vehicles Based on Value Function Approximation Algorithm. , 2019, , .		0
51	Stochastic Event-Triggered Filtering for Nonlinear Systems Subject to Correlated Noises. Lecture Notes in Electrical Engineering, 2022, , 4757-4768.	0.4	0