Yuan Xu

List of Publications by Year
in descending order

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99 papers	1,823 citations	257101 24 h-index	288905 40 g-index
101 all docs	101 docs citations	101 times ranked	2186 citing authors

#	Article	IF	Citations
1	STAT3-regulated exosomal miR-21 promotes angiogenesis and is involved in neoplastic processes of transformed human bronchial epithelial cells. Cancer Letters, 2016, 370, 125-135.	3.2	225
2	Epithelial-mesenchymal transition and cancer stem cells, mediated by a long non-coding RNA, HOTAIR, are involved in cell malignant transformation induced by cigarette smoke extract. Toxicology and Applied Pharmacology, 2015, 282, 9-19.	1.3	119
3	Highly and Stably Water Permeable Thin Film Nanocomposite Membranes Doped with MIL-101 (Cr) Nanoparticles for Reverse Osmosis Application. Materials, 2016, 9, 870.	1.3	90
4	UWB-Based Indoor Human Localization With Time-Delayed Data Using EFIR Filtering. IEEE Access, 2017, 5, 16676-16683.	2.6	89
5	The Feâ€Nâ€C Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drugâ€“Drug Interactions. Angewandte Chemie - International Edition, 2020, 59, 14498-14503.	7.2	87
6	Adaptive robust INS/UWB-integrated human tracking using UFIR filter bank. Measurement: Journal of the International Measurement Confederation, 2018, 123, 1-7.	2.5	74
7	Performance analysis of improved iterated cubature Kalman filter and its application to GNSS/INS. ISA Transactions, 2017, 66, 460-468.	3.1	61
8	The acquisition of cancer stem cell-like properties and neoplastic transformation of human keratinocytes induced by arsenite involves epigenetic silencing of let-7c via Ras/NF-Î¹B. Toxicology Letters, 2014, 227, 91-98.	0.4	55
9	MicroRNA-21, up-regulated by arsenite, directs the epithelialâ€“mesenchymal transition and enhances the invasive potential of transformed human bronchial epithelial cells by targeting PDCD4. Toxicology Letters, 2015, 232, 301-309.	0.4	50
10	Improving ultrasonic-based seamless navigation for indoor mobile robots utilizing EKF and LS-SVM. Measurement: Journal of the International Measurement Confederation, 2016, 92, 243-251.	2.5	46
11	Tightly Coupled Integration of INS and UWB Using Fixed-Lag Extended UFIR Smoothing for Quadrotor Localization. IEEE Internet of Things Journal, 2021, 8, 1716-1727.	5.5	46
12	Maximum correntropy generalized high-degree cubature Kalman filter with application to the attitude determination system of missile. Aerospace Science and Technology, 2019, 95, 105441.	2.5	44
13	Involvement of HIF-2Î±-mediated inflammation in arsenite-induced transformation of human bronchial epithelial cells. Toxicology and Applied Pharmacology, 2013, 272, 542-550.	1.3	43
14	Highly stable MIL-101(Cr) doped water permeable thin film nanocomposite membranes for water treatment. RSC Advances, 2016, 6, 82669-82675.	1.7	43
15	Robust and accurate UWBâ€based indoor robot localisation using integrated EKF/EFIR filtering. IET Radar, Sonar and Navigation, 2018, 12, 750-756.	0.9	39
16	Cascaded Nanozyme System with High Reaction Selectivity by Substrate Screening and Channeling in a Microfluidic Device**. Angewandte Chemie - International Edition, 2022, 61, e202112453.	7.2	35
17	Indoor INS UWB-based human localization with missing data utilizing predictive UFIR filtering. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 952-960.	8.5	32
18	Indoor INS/LiDAR-Based Robot Localization With Improved Robustness Using Cascaded FIR Filter. IEEE Access, 2019, 7, 34189-34197.	2.6	32

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19	n-type absorber by Cd2+ doping achieves high-performance carbon-based CsPbIBr2 perovskite solar cells. Journal of Colloid and Interface Science, 2022, 608, 40-47.	5.0	30
20	Performance Enhancement for a GPS Vector-Tracking Loop Utilizing an Adaptive Iterated Extended Kalman Filter. Sensors, 2014, 14, 23630-23649.	2.1	29
21	Enhancing INS/UWB Integrated Position Estimation Using Federated EFIR Filtering. IEEE Access, 2018, 6, 64461-64469.	2.6	27
22	Robust inertial navigation system/ultra wide band integrated indoor quadrotor localization employing adaptive interacting multiple model-unbiased finite impulse response/Kalman filter estimator. Aerospace Science and Technology, 2020, 98, 105683.	2.5	26
23	Cell cycle changes mediated by the p53/miR-34c axis are involved in the malignant transformation of human bronchial epithelial cells by benzo[a]pyrene. Toxicology Letters, 2014, 225, 275-284.	0.4	24
24	Optimal residual generation for fault detection in linear discrete time-varying systems with uncertain observations. Journal of the Franklin Institute, 2018, 355, 3330-3353.	1.9	24
25	Improving tightly-coupled model for indoor pedestrian navigation using foot-mounted IMU and UWB measurements. , 2016, , .		23
26	Phthalide and 1â€Iodooctadecane Synergistic Optimization for Highly Efficient and Stable Perovskite Solar Cells. Small, 2021, 17, e2103336.	5.2	23
27	Mobile Robot Indoor Positioning Based on a Combination of Visual and Inertial Sensors. Sensors, 2019, 19, 1773.	2.1	22
28	Predictive Adaptive Kalman Filter and Its Application to INS/UWB-integrated Human Localization with Missing UWB-based Measurements. International Journal of Automation and Computing, 2019, 16, 604-613.	4.5	22
29	Hâˆž fault detection filter design for discrete-time nonlinear Markovian jump systems with missing measurements. European Journal of Control, 2018, 44, 27-39.	1.6	21
30	Seamless indoor pedestrian tracking by fusing INS and UWB measurements via LS-SVM assisted UFIR filter. Neurocomputing, 2020, 388, 301-308.	3.5	19
31	INS/UWB-Based Quadrotor Localization Under Colored Measurement Noise. IEEE Sensors Journal, 2021, 21, 6384-6392.	2.4	18
32	Distributed Kalman filter for UWB/INS integrated pedestrian localization under colored measurement noise. Satellite Navigation, 2021, 2, .	4.6	16
33	Multifunctional Molecule Modification toward Efficient Carbonâ€Based Allâ€Inorganic CsPbIBr₂ Perovskite Solar Cells. Advanced Sustainable Systems, 2022, 6, .	2.7	15
34	Autonomous Integrated Navigation for Indoor Robots Utilizing On-Line Iterated Extended Rauch-Tung-Striebel Smoothing. Sensors, 2013, 13, 15937-15953.	2.1	14
35	The Feâ€Nâ€C Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drugâ€“Drug Interactions. Angewandte Chemie, 2020, 132, 14606-14611.	1.6	14
36	Adaptive Iterated Extended Kalman Filter and Its Application to Autonomous Integrated Navigation for Indoor Robot. Scientific World Journal, The, 2014, 2014, 1-7.	0.8	12

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37	Two-mode navigation method for low-cost inertial measurement unit-based indoor pedestrian navigation. Simulation, 2016, 92, 839-848.	1.1	12
38	A Novel H_2 Approach to FIR Prediction Under Disturbances and Measurement Errors. IEEE Signal Processing Letters, 2021, 28, 150-154.	2.1	12
39	INS/WSN-Integrated Navigation Utilizing LS-SVM andHâˆžFiltering. Mathematical Problems in Engineering, 2012, 2012, 1-19.	0.6	11
40	Efficient and Stable Carbonâ€Based CsPbIBr₂ Perovskite Solar Cells by 4â€Aminomethyltetrahydropyran Acetate Modification. Advanced Materials Interfaces, 2022, 9, 2101463.	1.9	11
41	Study of the Algorithm of Backtracking Decoupling and Adaptive Extended Kalman Filter Based on the Quaternion Expanded to the State Variable for Underwater Glider Navigation. Sensors, 2014, 14, 23041-23066.	2.1	10
42	Predictive Tracking Under Persistent Disturbances and Data Errors Using H_2 FIR Approach. IEEE Transactions on Industrial Electronics, 2022, 69, 6121-6129.	5.2	10
43	Enhanced photocatalytic degradation activity of Zâ€scheme heterojunction BiVO₄/Cu/gâ€C₃N₄ under visible light irradiation. Water Environment Research, 2021, 93, 2010-2024.	1.3	9
44	Quantitative evaluation of O₂ activation half-reaction for Feâ€“Nâ€“C in oxidase-like activity enhancement. Catalysis Science and Technology, 2021, 11, 7255-7259.	2.1	9
45	Online cubature Kalman filter Rauchâ€“Tungâ€“Striebel smoothing for indoor inertial navigation system/ultrawideband integrated pedestrian navigation. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2018, 232, 390-398.	0.7	8
46	Preparation of a novel composite material LaCoO3/Bi2WO6 and its application in the treatment of tetracycline. Journal of Materials Science: Materials in Electronics, 2021, 32, 13813-13824.	1.1	8
47	Application of Adaptive Extended Kalman Smoothing on INS/WSN Integration System for Mobile Robot Indoors. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	7
48	Machine Vision-based Apple External Quality Grading. , 2019, , .		7
49	Light detection and ranging/inertial measurement unit-integrated navigation positioning for indoor mobile robots. International Journal of Advanced Robotic Systems, 2020, 17, 172988142091994.	1.3	7
50	Polarized Molecule 4-(Aminomethyl) Benzonitrile Hydrochloride for Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 33383-33391.	4.0	7
51	Indoor pedestrian tracking by combining recent INS and UWB measurements. , 2017, , .		6
52	INS/UWB integrated AGV localization employing Kalman filter for indoor LOS/NLOS mixed environment. , 2019, , .		6
53	Improving Tightly LiDAR/Compass/Encoder-Integrated Mobile Robot Localization with Uncertain Sampling Period Utilizing EFIR Filter. Mobile Networks and Applications, 2021, 26, 440-448.	2.2	6
54	Neural network assisted Kalman filter for INS/UWB integrated seamless quadrotor localization. PeerJ Computer Science, 2021, 7, e630.	2.7	6

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55	Decision tree-extended finite impulse response filtering for pedestrian tracking over tightly integrated inertial navigation system/ultra wide band data. Measurement Science and Technology, 2021, 32, 034007.	1.4	6
56	Short-term exposure to traffic-related air pollution and STEMI events: Insights into STEMI onset and related cardiac impairment. Science of the Total Environment, 2022, 827, 154210.	3.9	6
57	One-Step Facile Synthesis of Aptamer-Modified Graphene Oxide for Highly Specific Enrichment of Human A-Thrombin in Plasma. Sensors, 2017, 17, 1986.	2.1	5
58	Real-time accurate pedestrian tracking using extended finite impulse response filter bank for tightly coupling recent inertial navigation system and ultra-wideband measurements. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2018, 232, 464-472.	0.7	5
59	Supported on mesoporous silica nanospheres, molecularly imprinted polymer for selective adsorption of dichlorophen. Green Processing and Synthesis, 2021, 10, 336-348.	1.3	5
60	Performance enhancement for INS/UWB integrated indoor tracking using distributed iterated extended Kalman filter. , 2018, , .		4
61	Effects of temperature on metabolic scaling in silver carp. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2022, 337, 141-149.	0.9	4
62	Flocking control of Amigobots with Newton's method. , 2017, , .		3
63	Blind Robust Multi-Horizon EFIR Filter for Tightly Integrating INS and UWB. IEEE Sensors Journal, 2021, 21, 23037-23045.	2.4	3
64	Comparison of metabolic scaling between triploid and diploid common carp. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2021, 191, 711-719.	0.7	3
65	Intrauterine exposure of mice to arsenite induces abnormal and transgenerational glycometabolism. Chemosphere, 2022, 294, 133757.	4.2	3
66	Novel LiDAR-assisted UWB positioning compensation for indoor robot localization. , 2021, , .		3
67	A Solution of Orphan Problem in ZigBee Tree Network. , 2011, , .		2
68	A New Method for Motif Mining in Biological Networks. Evolutionary Bioinformatics, 2014, 10, EBO.S15207.	0.6	2
69	Motif mining based on network space compression. BioData Mining, 2015, 8, 29.	2.2	2
70	A general adaptive dynamic programming approach with experience replay. , 2016, , .		2
71	Construction method of line-segments based map from 2D laser sensor data for mobile robot. , 2017, , .		2
72	Robust Self-Contained Pedestrian Navigation by Fusing the IMU and Compass Measurements via UFIR Filtering. Journal of Electrical and Computer Engineering, 2018, 2018, 1-6.	0.6	2

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73	Apple External Quality Analysis Based on BP Neural Network. , 2019, , .		2
74	Indoor Vision/INS Integrated Mobile Robot Navigation Using Multimodel-Based Multifrequency Kalman Filter. Mathematical Problems in Engineering, 2021, 2021, 1-8.	0.6	2
75	A Novel Calibration Method for Tri-axial Magnetometers Based on an Expanded Error Model and a Two-step Total Least Square Algorithm. Mobile Networks and Applications, 2022, 27, 794-805.	2.2	2
76	R-T-S Assisted Kalman Filtering for Robot Localization Using UWB Measurement. Mobile Networks and Applications, 0, , 1.	2.2	2
77	Paeoniflorin-6â€²-o-benzene sulfonate ameliorates the progression of adjuvant-induced arthritis by inhibiting the interaction between Ahr and GRK2 of fibroblast-like synoviocytes. International Immunopharmacology, 2022, 108, 108678.	1.7	2
78	ELM-Assisted Particle Filter for INS/UWB-Integrated Quadrotor Positioning. Mathematical Problems in Engineering, 2022, 2022, 1-9.	0.6	2
79	An improved stability criterion for discrete-time Lur'e systems with time-varying delay. , 2018, , .		1
80	Enhancing seamless INS/UWB integrated localization using LS-SVM assisted predictive adaptive Kalman filter. , 2019, , .		1
81	Improving Accuracy of Mobile Robot Localization by Tightly Fusing LiDAR and DR data. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 116-123.	0.2	1
82	Viewing sector optimisation for indoor localisation using multiâ€lateration with unilateral nodes deployment. IET Wireless Sensor Systems, 2019, 9, 151-157.	1.3	1
83	An Extracting Method of Corner Points from Laser Sensor Readings. , 2018, , .		1
84	Matrix Profile Evolution: An Initial Overview. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 492-501.	0.2	1
85	Di-n-butyl phthalate promotes monocyte recruitment via miR-137-3p-SP1-MCP-1 pathway. Ecotoxicology and Environmental Safety, 2022, 236, 113491.	2.9	1
86	The 3D localization algorithm of INS/UWB based on PF assisted by LS-SVM. , 2021, , .		1
87	An Improved Criterion for Uncertain Neutral-type Lurâ€™e Systems with Time-varying Delay via a Novel Double Integral Inequality. , 2018, , .		0
88	Robust Laser Radar-Based Robot Localization Using UFIR Filtering. , 2018, , .		0
89	Robust tightly-coupled INS/UWB-integrated human localization using UFIR filtering. , 2018, , .		0
90	Research Status of SLAM. , 2019, , .		0

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91	Characterization of the complete chloroplast genome of sunflower family species Aster Flaccidus (Compositae). Mitochondrial DNA Part B: Resources, 2019, 4, 4096-4097.	0.2	0
92	Flocking Control of Amigobots in Complex Environment with Obstacles. , 2019, , .		0
93	One-Step Predictive H2 FIR Tracking under Persistent Disturbances and Data Errors. WSEAS Transactions on Signal Processing, 2021, 17, 87-92.	0.3	0
94	Unbiased FIR Filtering under Bernoulli-Distributed Binary Randomly Delayed and Missing Data. , 2021, , .		0
95	Novel Object Tracking Method Based on Bayesian Framework. , 2017, , .		0
96	LiDAR/DR-Integrated Mobile Robot Localization Employing IMM-EKF/PF Filtering. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 303-312.	0.2	0
97	Design of an Interactive LiDAR-Vision Integrated Navigation System. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 470-475.	0.2	0
98	Correlation analysis of database data based on the throughput coefficient. , 2022, , .		0
99	Causal analysis of vertical mill process failure based on Bayesian network. , 2022, , .		0