

Yuan Xu

List of Publications by Year in descending order

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Version: 2024-02-01

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	Effects of temperature on metabolic scaling in silver carp. <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2022, 337, 141-149.	0.9	4
2	n-type absorber by Cd ²⁺ doping achieves high-performance carbon-based CsPbI ₂ Br ₂ perovskite solar cells. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 40-47.	5.0	30
3	Predictive Tracking Under Persistent Disturbances and Data Errors Using H_2 FIR Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 6121-6129.	5.2	10
4	Cascaded Nanozyme System with High Reaction Selectivity by Substrate Screening and Channeling in a Microfluidic Device**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202112453.	7.2	35
5	Efficient and Stable Carbon-Based CsPbI ₂ Br ₂ Perovskite Solar Cells by 4-Aminomethyltetrahydropyran Acetate Modification. <i>Advanced Materials Interfaces</i> , 2022, 9, 2101463.	1.9	11
6	Intrauterine exposure of mice to arsenite induces abnormal and transgenerational glycometabolism. <i>Chemosphere</i> , 2022, 294, 133757.	4.2	3
7	A Novel Calibration Method for Tri-axial Magnetometers Based on an Expanded Error Model and a Two-step Total Least Square Algorithm. <i>Mobile Networks and Applications</i> , 2022, 27, 794-805.	2.2	2
8	Correlation analysis of database data based on the throughput coefficient. , 2022, , .		0
9	Causal analysis of vertical mill process failure based on Bayesian network. , 2022, , .		0
10	Di-n-butyl phthalate promotes monocyte recruitment via miR-137-3p-SP1-MCP-1 pathway. <i>Ecotoxicology and Environmental Safety</i> , 2022, 236, 113491.	2.9	1
11	Short-term exposure to traffic-related air pollution and STEMI events: Insights into STEMI onset and related cardiac impairment. <i>Science of the Total Environment</i> , 2022, 827, 154210.	3.9	6
12	Paeoniflorin-6- <i>o</i> -benzene sulfonate ameliorates the progression of adjuvant-induced arthritis by inhibiting the interaction between Ahr and GRK2 of fibroblast-like synoviocytes. <i>International Immunopharmacology</i> , 2022, 108, 108678.	1.7	2
13	Multifunctional Molecule Modification toward Efficient Carbon-Based All-Inorganic CsPbI ₂ Br ₂ Perovskite Solar Cells. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	15
14	ELM-Assisted Particle Filter for INS/UWB-Integrated Quadrotor Positioning. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-9.	0.6	2
15	Polarized Molecule 4-(Aminomethyl) Benzonitrile Hydrochloride for Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 33383-33391.	4.0	7
16	Improving Tightly LiDAR/Compass/Encoder-Integrated Mobile Robot Localization with Uncertain Sampling Period Utilizing EFIR Filter. <i>Mobile Networks and Applications</i> , 2021, 26, 440-448.	2.2	6
17	Tightly Coupled Integration of INS and UWB Using Fixed-Lag Extended UFIR Smoothing for Quadrotor Localization. <i>IEEE Internet of Things Journal</i> , 2021, 8, 1716-1727.	5.5	46
18	A Novel H_2 Approach to FIR Prediction Under Disturbances and Measurement Errors. <i>IEEE Signal Processing Letters</i> , 2021, 28, 150-154.	2.1	12

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19	Indoor Vision/INS Integrated Mobile Robot Navigation Using Multimodel-Based Multifrequency Kalman Filter. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-8.	0.6	2
20	Blind Robust Multi-Horizon EFIR Filter for Tightly Integrating INS and UWB. <i>IEEE Sensors Journal</i> , 2021, 21, 23037-23045.	2.4	3
21	Supported on mesoporous silica nanospheres, molecularly imprinted polymer for selective adsorption of dichlorophen. <i>Green Processing and Synthesis</i> , 2021, 10, 336-348.	1.3	5
22	INS/UWB-Based Quadrotor Localization Under Colored Measurement Noise. <i>IEEE Sensors Journal</i> , 2021, 21, 6384-6392.	2.4	18
23	Preparation of a novel composite material LaCoO ₃ /Bi ₂ WO ₆ and its application in the treatment of tetracycline. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13813-13824.	1.1	8
24	Comparison of metabolic scaling between triploid and diploid common carp. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2021, 191, 711-719.	0.7	3
25	Enhanced photocatalytic degradation activity of ZrO ₂ /Cu ₂ O heterojunction under visible light irradiation. <i>Water Environment Research</i> , 2021, 93, 2010-2024.	1.3	9
26	Neural network assisted Kalman filter for INS/UWB integrated seamless quadrotor localization. <i>PeerJ Computer Science</i> , 2021, 7, e630.	2.7	6
27	One-Step Predictive H ₂ FIR Tracking under Persistent Disturbances and Data Errors. <i>WSEAS Transactions on Signal Processing</i> , 2021, 17, 87-92.	0.3	0
28	Unbiased FIR Filtering under Bernoulli-Distributed Binary Randomly Delayed and Missing Data. , 2021, , .		0
29	Decision tree-extended finite impulse response filtering for pedestrian tracking over tightly integrated inertial navigation system/ultra wide band data. <i>Measurement Science and Technology</i> , 2021, 32, 034007.	1.4	6
30	Quantitative evaluation of O ₂ activation half-reaction for Fe ^{II} -N ⁺ -C in oxidase-like activity enhancement. <i>Catalysis Science and Technology</i> , 2021, 11, 7255-7259.	2.1	9
31	Distributed Kalman filter for UWB/INS integrated pedestrian localization under colored measurement noise. <i>Satellite Navigation</i> , 2021, 2, .	4.6	16
32	Phthalide and 1-octadecane Synergistic Optimization for Highly Efficient and Stable Perovskite Solar Cells. <i>Small</i> , 2021, 17, e2103336.	5.2	23
33	Matrix Profile Evolution: An Initial Overview. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021, , 492-501.	0.2	1
34	Design of an Interactive LiDAR-Vision Integrated Navigation System. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2021, , 470-475.	0.2	0
35	The 3D localization algorithm of INS/UWB based on PF assisted by LS-SVM. , 2021, , .		1
36	Novel LiDAR-assisted UWB positioning compensation for indoor robot localization. , 2021, , .		3

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37	The Fe ^{II} -Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drug-Drug Interactions. <i>Angewandte Chemie</i> , 2020, 132, 14606-14611.	1.6	14
38	Light detection and ranging/inertial measurement unit-integrated navigation positioning for indoor mobile robots. <i>International Journal of Advanced Robotic Systems</i> , 2020, 17, 172988142091994.	1.3	7
39	The Fe ^{II} -Nanozyme with Both Accelerated and Inhibited Biocatalytic Activities Capable of Accessing Drug-Drug Interactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14498-14503.	7.2	87
40	Robust inertial navigation system/ultra wide band integrated indoor quadrotor localization employing adaptive interacting multiple model-unbiased finite impulse response/Kalman filter estimator. <i>Aerospace Science and Technology</i> , 2020, 98, 105683.	2.5	26
41	Seamless indoor pedestrian tracking by fusing INS and UWB measurements via LS-SVM assisted UFIR filter. <i>Neurocomputing</i> , 2020, 388, 301-308.	3.5	19
42	Improving Accuracy of Mobile Robot Localization by Tightly Fusing LiDAR and DR data. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , 116-123.	0.2	1
43	LiDAR/DR-Integrated Mobile Robot Localization Employing IMM-EKF/PF Filtering. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , 303-312.	0.2	0
44	Indoor INS UWB-based human localization with missing data utilizing predictive UFIR filtering. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2019, 6, 952-960.	8.5	32
45	INS/UWB integrated AGV localization employing Kalman filter for indoor LOS/NLOS mixed environment. , 2019, , .		6
46	Machine Vision-based Apple External Quality Grading. , 2019, , .		7
47	Maximum correntropy generalized high-degree cubature Kalman filter with application to the attitude determination system of missile. <i>Aerospace Science and Technology</i> , 2019, 95, 105441.	2.5	44
48	Research Status of SLAM. , 2019, , .		0
49	Apple External Quality Analysis Based on BP Neural Network. , 2019, , .		2
50	Mobile Robot Indoor Positioning Based on a Combination of Visual and Inertial Sensors. <i>Sensors</i> , 2019, 19, 1773.	2.1	22
51	Indoor INS/LiDAR-Based Robot Localization With Improved Robustness Using Cascaded FIR Filter. <i>IEEE Access</i> , 2019, 7, 34189-34197.	2.6	32
52	Characterization of the complete chloroplast genome of sunflower family species <i>Aster Flaccidus</i> (Compositae). <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 4096-4097.	0.2	0
53	Flocking Control of Amigobots in Complex Environment with Obstacles. , 2019, , .		0
54	Enhancing seamless INS/UWB integrated localization using LS-SVM assisted predictive adaptive Kalman filter. , 2019, , .		1

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55	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
56	Viewing sector optimisation for indoor localisation using multi-ilateration with unilateral nodes deployment. IET Wireless Sensor Systems, 2019, 9, 151-157.	1.3	1
57	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
58	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
59	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
60	Online cubature Kalman filter Rauch-Tung-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
61	An improved stability criterion for discrete-time Lur'e systems with time-varying delay. , 2018, , .		1
62	An Improved Criterion for Uncertain Neutral-type Lur'e Systems with Time-varying Delay via a Novel Double Integral Inequality. , 2018, , .		0
63	Robust Laser Radar-Based Robot Localization Using UFIR Filtering. , 2018, , .		0
64	Performance enhancement for INS/UWB integrated indoor tracking using distributed iterated extended Kalman filter. , 2018, , .		4
65	H ∞ 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
66	Enhancing INS/UWB Integrated Position Estimation Using Federated EFIR Filtering. IEEE Access, 2018, 6, 64461-64469.	2.6	27
67	Robust and accurate UWB-based indoor robot localisation using integrated EKF/EFIR filtering. IET Radar, Sonar and Navigation, 2018, 12, 750-756.	0.9	39
68	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
69	Robust tightly-coupled INS/UWB-integrated human localization using UFIR filtering. , 2018, , .		0
70	An Extracting Method of Corner Points from Laser Sensor Readings. , 2018, , .		1
71	UWB-Based Indoor Human Localization With Time-Delayed Data Using EFIR Filtering. IEEE Access, 2017, 5, 16676-16683.	2.6	89
72	Performance analysis of improved iterated cubature Kalman filter and its application to GNSS/INS. ISA Transactions, 2017, 66, 460-468.	3.1	61

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73	Indoor pedestrian tracking by combining recent INS and UWB measurements. , 2017, , .		6
74	Flocking control of Amigobots with Newton's method. , 2017, , .		3
75	Construction method of line-segments based map from 2D laser sensor data for mobile robot. , 2017, , .		2
76	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
77	Novel Object Tracking Method Based on Bayesian Framework. , 2017, , .		0
78	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
79	A general adaptive dynamic programming approach with experience replay. , 2016, , .		2
80	Highly stable MIL-101(Cr) doped water permeable thin film nanocomposite membranes for water treatment. RSC Advances, 2016, 6, 82669-82675.	1.7	43
81	Improving tightly-coupled model for indoor pedestrian navigation using foot-mounted IMU and UWB measurements. , 2016, , .		23
82	Two-mode navigation method for low-cost inertial measurement unit-based indoor pedestrian navigation. Simulation, 2016, 92, 839-848.	1.1	12
83	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
84	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
85	Motif mining based on network space compression. BioData Mining, 2015, 8, 29.	2.2	2
86	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
87	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
88	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
89	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
90	Performance Enhancement for a GPS Vector-Tracking Loop Utilizing an Adaptive Iterated Extended Kalman Filter. Sensors, 2014, 14, 23630-23649.	2.1	29

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91	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. <i>Toxicology Letters</i> , 2014, 225, 275-284.	0.4	24
92	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- κ B. <i>Toxicology Letters</i> , 2014, 227, 91-98.	0.4	55
93	A New Method for Motif Mining in Biological Networks. <i>Evolutionary Bioinformatics</i> , 2014, 10, EBO.S15207.	0.6	2
94	Involvement of HIF-2 α -mediated inflammation in arsenite-induced transformation of human bronchial epithelial cells. <i>Toxicology and Applied Pharmacology</i> , 2013, 272, 542-550.	1.3	43
95	Application of Adaptive Extended Kalman Smoothing on INS/WSN Integration System for Mobile Robot Indoors. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-8.	0.6	7
96	Autonomous Integrated Navigation for Indoor Robots Utilizing On-Line Iterated Extended Rauch-Tung-Striebel Smoothing. <i>Sensors</i> , 2013, 13, 15937-15953.	2.1	14
97	INS/WSN-Integrated Navigation Utilizing LS-SVM and H ∞ Filtering. <i>Mathematical Problems in Engineering</i> , 2012, 2012, 1-19.	0.6	11
98	A Solution of Orphan Problem in ZigBee Tree Network. , 2011, , .		2
99	R-T-S Assisted Kalman Filtering for Robot Localization Using UWB Measurement. <i>Mobile Networks and Applications</i> , 0, , 1.	2.2	2