Mohammad Omar Khyam

List of Publications by Year
in descending order

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32	674	687363 13	552781 26
papers	citations	h-index	g-index

37	37	37	511
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	6G for Vehicle-to-Everything (V2X) Communications: Enabling Technologies, Challenges, and Opportunities. Proceedings of the IEEE, 2022, 110, 712-734.	21.3	131
2	Automatic Welding Seam Tracking and Identification. IEEE Transactions on Industrial Electronics, 2017, 64, 7261-7271.	7.9	117
3	Highly Accurate Time-of-Flight Measurement Technique Based on Phase-Correlation for Ultrasonic Ranging. IEEE Sensors Journal, 2017, 17, 434-443.	4.7	65
4	Robust Welding Seam Tracking and Recognition. IEEE Sensors Journal, 2017, 17, 5609-5617.	4.7	48
5	Design of Chirp Waveforms for Multiple-Access Ultrasonic Indoor Positioning. IEEE Sensors Journal, 2018, 18, 6375-6390.	4.7	34
6	Dezert-Smarandache Theory-Based Fusion for Human Activity Recognition in Body Sensor Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 7138-7149.	11.3	32
7	Multiple Access Chirp-Based Ultrasonic Positioning. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 3126-3137.	4.7	27
8	Sensor Fusion and State Estimation of IoT Enabled Wind Energy Conversion System. Sensors, 2019, 19, 1566.	3.8	22
9	Recent Advances and Tendencies Regarding Fiber Optic Sensors for Deformation Measurement: A Review. IEEE Sensors Journal, 2022, 22, 2962-2973.	4.7	20
10	High-Precision OFDM-Based Multiple Ultrasonic Transducer Positioning Using a Robust Optimization Approach. IEEE Sensors Journal, 2016, 16, 5325-5336.	4.7	19
11	Reliable State Estimation of an Unmanned Aerial Vehicle Over a Distributed Wireless IoT Network. IEEE Transactions on Reliability, 2019, 68, 1061-1069.	4.6	17
12	Tracking control of uncertain surface vessels with global finite-time convergence. Ocean Engineering, 2021, 241, 109974.	4.3	16
13	Robust Vehicle Detection in High-Resolution Aerial Images With Imbalanced Data. IEEE Transactions on Artificial Intelligence, 2021, 2, 238-250.	4.7	15
14	Orthogonal Chirp-Based Ultrasonic Positioning. Sensors, 2017, 17, 976.	3.8	11
15	Stereo Vision-Based 3D Positioning and Tracking. IEEE Access, 2020, 8, 138771-138787.	4.2	11
16	Pseudo-Orthogonal Chirp-Based Multiple Ultrasonic Transducer Positioning. IEEE Sensors Journal, 2017, 17, 3832-3843.	4.7	10
17	Robust and Real-Time State Estimation of Unstable Microgrids Over IoT Networks. IEEE Systems Journal, 2021, 15, 2176-2185.	4.6	10
18	A Narrowband Ultrasonic Ranging Method for Multiple Moving Sensor Nodes. IEEE Sensors Journal, 2019, 19, 6289-6297.	4.7	9

#	Article	IF	Citations
19	Visual navigation method for indoor mobile robot based on extended BoW model. CAAI Transactions on Intelligence Technology, 2017, 2, 142-147.	8.1	8
20	Delay-Universal Channel Coding With Feedback. IEEE Access, 2018, 6, 37918-37931.	4.2	8
21	A Doppler-Tolerant Ultrasonic Multiple Access Localization System for Human Gait Analysis. Sensors, 2018, 18, 2447.	3.8	7
22	A temperature self-compensation submicron displacement fbg sensor with tilt parallel-suspended dual-optical fibers. Sensors and Actuators A: Physical, 2021, 332, 113200.	4.1	7
23	Energy harvesting twoâ€way relaying with antenna selection scheme. IET Communications, 2019, 13, 198-204.	2.2	5
24	Text-based indoor place recognition with deep neural network. Neurocomputing, 2020, 390, 239-247.	5.9	5
25	Simultaneous Excitation Systems for Ultrasonic Indoor Positioning. IEEE Sensors Journal, 2020, 20, 13716-13725.	4.7	5
26	Multisource Weighted Domain Adaptation With Evidential Reasoning for Activity Recognition. IEEE Transactions on Industrial Informatics, 2023, 19, 5530-5542.	11.3	5
27	Doppler Correction in Moving Narrowband Ultrasonic Ranging Sensors for Small-Scale Motion Tracking. , 2020, 4, 1-4.		3
28	Mobile ultrasonic transducer positioning. Journal of Engineering, 2017, 2017, 119-122.	1.1	3
29	A Self-Supervised Learning-Based 6-DOF Grasp Planning Method for Manipulator. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3639-3648.	5.2	2
30	A Robust Welding Seam Identification Method. , 2018, , .		1
31	A welding seam identification method based on cross-modal perception. Industrial Robot, 2019, 46, 453-459.	2.1	1
32	A Multi-Path Compensation Method for Ranging in Wearable Ultrasonic Sensor Networks for Human Gait Analysis. Sensors, 2019, 19, 1350.	3.8	0