

Sheng Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Demonstration of a Low-Complexity Indoor Visible Light Positioning System Using an Enhanced TDOA Scheme. IEEE Photonics Journal, 2018, 10, 1-10.	2.0	84
2	Reduction of SINR Fluctuation in Indoor Multi-Cell VLC Systems Using Optimized Angle Diversity Receiver. Journal of Lightwave Technology, 2018, 36, 3603-3610.	4.6	72
3	A Single LED Positioning System Based on Circle Projection. IEEE Photonics Journal, 2017, 9, 1-9.	2.0	68
4	Robust 3D Indoor VLP System Based on ANN Using Hybrid RSS/PDOA. IEEE Access, 2019, 7, 47769-47780.	4.2	53
5	Experimental Demonstration of 3D Visible Light Positioning Using Received Signal Strength With Low-Complexity Trilateration Assisted by Deep Learning Technique. IEEE Access, 2019, 7, 93986-93997.	4.2	35
6	Experimental Demonstration of Indoor Sub-Decimeter Accuracy VLP System Using Differential PDOA. IEEE Photonics Technology Letters, 2018, 30, 1703-1706.	2.5	33
7	Coordinated Resource Allocation-Based Integrated Visible Light Communication and Positioning Systems for Indoor IoT. IEEE Transactions on Wireless Communications, 2020, 19, 4671-4684.	9.2	28
8	A XGBoost-Based Lane Change Prediction on Time Series Data Using Feature Engineering for Autopilot Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19187-19200.	8.0	26
9	Demonstration of a Quasi-Gapless Integrated Visible Light Communication and Positioning System. IEEE Photonics Technology Letters, 2018, 30, 2001-2004.	2.5	24
10	A Reversed Visible Light Multitarget Localization System via Sparse Matrix Reconstruction. IEEE Internet of Things Journal, 2018, 5, 4223-4230.	8.7	17
11	Reinforcement Learning-Based Intelligent Resource Allocation for Integrated VLCP Systems. IEEE Wireless Communications Letters, 2019, 8, 1204-1207.	5.0	17
12	3D Indoor Visible Light Positioning System using RSS ratio with Neural Network. , 2018, , .		12
13	An integrated indoor visible light communication and positioning system based on FBMC-SCM. , 2017, , .		11
14	Real-time indoor positioning system for a smart workshop using white LEDs and a phase-difference-of-arrival approach. Optical Engineering, 2019, 58, 1.	1.0	9
15	Faster Deployment for Indoor Visible Light Positioning Using Xgboost Algorithms in Industrial Internet-of-Things. , 2021, , .		7
16	Outage Bridging and Trajectory Recovery in Visible Light Positioning Using Insufficient RSS Information. IEEE Access, 2020, 8, 162302-162312.	4.2	5
17	Resource Allocation for Multi-User Integrated Visible Light Communication and Positioning Systems. , 2019, , .		2
18	QoS-Driven Optimized Design in A New Integrated Visible Light Communication and Positioning System. , 2020, , .		2