

Publication List

Journal papers

As the First Author

Zhang S, Zhong W D, Du P, et al. Experimental demonstration of indoor sub-decimeter accuracy VLP system using differential PDOA[J]. IEEE Photonics Technology Letters, 2018, 30(19): 1703-1706.

Zhang S, Du P, Chen C, et al. Robust 3D Indoor VLP System Based on ANN Using Hybrid RSS/PDOA[J]. IEEE Access, 2019, 7: 47769-47780.

As Co-author

Du P, Zhang S, Chen C, et al. Demonstration of a low-complexity indoor visible light positioning system using an enhanced TDOA scheme[J]. IEEE Photonics Journal, 2018, 10(4): 1-10.

Du P, Zhang S, Chen C, et al. Experimental demonstration of 3D visible light positioning using received signal strength with low-complexity trilateration assisted by deep learning technique[J]. IEEE Access, accepted in July 8th 2019.

Yang H, Du P, Zhong W D, et al. Reinforcement Learning Based Intelligent Resource Allocation for Integrated VLC Systems [J]. IEEE Wireless Communications Letters, 2019.

Yang H, Chen C, Zhong W D, et al. Demonstration of a quasi-gapless integrated visible light communication and positioning system [J]. IEEE Photonics Technology Letters, 2018, 30(23): 2001-2004.

Conference papers

As the First Author

Sheng Z, Zhong W D, Pengfei D, et al. PDOA based indoor visible light positioning system without local oscillators in receiver[C]//Conference on Lasers and Electro-Optics/Pacific Rim. Optical Society of America, 2017: s2448.

Sheng Z, Pengfei D, Chen C, Zhong W D. 3D Indoor Visible Light Positioning System using RSS Ratio with Neural Network [C]// Conference on 23rd OptoElectronics and Communications (OECC 2018), ICC Jeju, Korea, 2018.

As Co-author

Yang H, Chen C, Zhong W D, et al. An integrated indoor visible light communication and positioning system based on FBMC-SCM[C]//2017 IEEE Photonics Conference (IPC). IEEE, 2017: 129-130.