LIANG CHEN PubList

Liang Chen

2021 年 12 月 19 日

2021

1. L. Chen, X. Zhou, F. Chen, L. -L. Yang and R. Chen, "Carrier Phase Ranging for Indoor Positioning with 5G NR Signals," in IEEE Internet of Things Journal, doi: 10.1109/JIOT.2021.3125373.
2. L. Chen, X. Lu, N. Shen, L. Wang, Y. Zhuanh, Y. Su, D. Li, R. Chen. Signal Acquisition of Luojia-1A Low Earth Orbit Navigation Augmentation System with Software Defined Receiver[J], Geo-spatial Information Science,pp.1-16, 2021, DOI: 10.1080/10095020.2021.1964386
3. Shen, N., Chen, L.（*）, & Chen, R. (2022). Displacement detection based on bayesian inference from gnss kinematic positioning for deformation monitoring. Mechanical Systems and Signal Processing, 167, 108570.
4. Shen, N., Chen, L.（*）, Lu, X., Ruan, Y. L., Hu, H., Zhang, Z. T., ... Chen, R. Z. (2022). Interactive multiple model vibration detection of structures based on high-frequency gnss observations. GPS Solutions. (Accept)
5. Y. Yu, R. Chen, L. Chen, W. Li, Y. Wu and H. Zhou, "H-WPS: Hybrid Wireless Positioning System Using an Enhanced Wi-Fi FTM/RSSI/MEMS Sensors Integration Approach," in IEEE Internet of Things Journal, doi: 10.1109/JIOT.2021.3132023.
6. Z. Wang, R. Chen, S. Xu, Z. Liu, G. Guo and L. Chen, "A Novel Method Locating Pedestrian with Smartphone Indoors Using Acoustic Fingerprints," in IEEE Sensors Journal, doi: 10.1109/JSEN.2021.3126863.
7. Y. Yu, R. Chen, L. Chen, W. Li, Y. Wu and H. Zhou, "A Robust Seamless Localization Framework Based on Wi-Fi FTM / GNSS and Built-In Sensors," in IEEE Communications Letters, vol. 25, no. 7, pp. 2226-2230, July 2021, doi: 10.1109/LCOMM.2021.3071412.
8. Y. Yu, R. Chen, L. Chen, W. Li, Y. Wu and H. Zhou, "Autonomous 3D Indoor Localization Based on Crowdsourced Wi-Fi Fingerprinting And MEMS Sensors," in IEEE Sensors Journal, doi: 10.1109/JSEN.2021.3065951.
9. Y. Yu et al., "A Novel 3-D Indoor Localization Algorithm Based on BLE and Multiple Sensors," in IEEE Internet of Things Journal, vol. 8, no. 11, pp. 9359-9372, 1 June1, 2021, doi: 10.1109/JIOT.2021.3055794.
10. N. Shen et al., "Short-Term Landslide Displacement Detection Based on GNSS Real-Time Kinematic Positioning," in IEEE Transactions on Instrumentation and Measurement, vol. 70, pp. 1-14, 2021, Art no. 1004714, doi: 10.1109/TIM.2021.3055278.
11. X. Lu, L. Chen, N. Shen, L. Wang, Z. Jiao and R. Chen, "Decoding PPP Corrections From BDS B2b Signals Using a Software-Defined Receiver: An Initial Performance Evaluation," in IEEE Sensors Journal, vol. 21, no. 6, pp. 7871-7883, 15 March15, 2021, doi: 10.1109/JSEN.2020.3041486.
12. Wang, L., Wu, Z., Yang, J., Chen, L., & Chen, R. (2021). Performance of the non-iterative ToA-based positioning algorithms in complex indoor environments. Arabian Journal of Geosciences, 14(8).

doi:10.1007/s12517-021-06996-6

13. Shen, N., Chen, L., Lu, X. C., Hu, H., Pan, Y. J., Gao, Z. Z., . . . Chen, R. Z. (2021). Online displacement extraction and vibration detection based on interactive multiple model algorithm. Mechanical Systems and Signal Processing, 155. doi:10.1016/j.ymssp.2020.107581

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3. 杨必胜，陈亮，涂志刚，撰写《测绘遥感信息工程国家重点实验室自主研究》课题申请书；
4. 国家重点研发计划项目（战略性国际科技创新合作重点专项）：北斗兼容格拉纳斯和 GPS 等卫星导航系统在斯里兰卡的联合应用开发与示范（项目编号 2016YFE0202300）。项目总经费：1600 万元 （国拨：600 万），子课题负责人，子课题名称：城市中心区域多星座高精度定位误消除方法，经费 40 万（原为 10 万）。
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