发表文章：

1. Jinhong Wang, Yu Liang, Xiong Xiao, Qi An, John W. Chapman, Tiesheng Dai, Bing Zhou, Junjie Zhu, Lei Zhao, “Development of a time-to-digital converter ASIC for the upgrade of the ATLAS Monitored Drift Tube detector”, Nuclear Inst. and Methods in Physics Research, A 880(2018) pp.174-180.
2. Yu Liang, et al., Design and performance of a TDC ASIC for the upgrade of the ATLAS Monitored Drift Tube detector, NIMA 939 (2019) 10-15
3. Yuxiang Guo, et al., Design of a Time-to-Digital Converter ASIC and a mini-DAQ system for the Phase-2 upgrade of the ATLAS Monitored Drift Tube detector, NIMA 988 (2021) 164896
4. Yi Zhou, et al., Fabrication and performance of a μRWELL detector with Diamond-Like Carbon resistive electrode and two-dimensional readout, NIMA 927 (2019) 31–36
5. You Lv, Yi Zhou, et al., Production and performance study of Diamond-Like Carbon resistive electrode in MPGD, NIMA 958 (2020) 162759
6. G. Song, Y. Zhou, et al., Development of THGEM-like detectors with diamond-like carbon resistive electrodes, JINST V15 (2020) P11013
7. Guofeng Song, Ming Shao, et al., Production and properties of a charging-up ‘‘Free’’ THGEM with DLC coating, NIMA 966 (2020) 163868
8. X.Y. Xie, et al., A new approach in simulating RPC and searching for the causes of large cluster size of RPC, JINST V14 (2019) C09012
9. X.Y. Xie, et al., Measuring attenuation in signal propagation in Resistive-Plate Chambers, JINST V16 (2021) P01001

会议报告：

1. Y.Liang "Upgrade of the ATLAS Monitored Drift Tube Electronics for the HL-LHC", presented in 2017 APS Division of Particles and Fields, July 21,2017, Fermilab, Batavia, IL, USA
2. Y.Liang "Design of a time-to-digital converter (TDC) ASIC for the Phase-II upgrade of the ATLAS muon spectrometer", presented in 2018 APS April Meeting, April 14,2018, Columbus, Ohio USA
3. Y.Liang "Design of a time-to-digital converter (TDC) ASIC with the TSMC 130 nm CMOS process for the Phase-2 upgrade of the ATLAS muon spectrometer", presented in 2018 US ATLAS Workshop, July 30,2018, Pittsburgh,Pennsylvania ,USA
4. Yuxiang Guo, “Performance of new frontend electronics for the Phase-II upgrade of the ATLAS small-diameter Monitored Drift Tube detector”, April 19th, 2020, APS Virtual April Meeting, online;
5. Lyu You, “Production and performance study of Diamond-Like Carbon for the resistive electrode in MPGD application”, The 15th Vienna Conference on Instrumentation，Feb.-2019, Vienna, Austria,
6. Song Guofeng, “R&D on THGEM with Resistive Diamond-like carbon coating”, The 6th International Conference on Micro Pattern Gaseous Detectors, May-2019, La Rochelle, France
7. Francois Lagarde, “RPC activities at SJTU”, Second ATLAS RPC Phase-2 Workshop, CERN, July 09-10, 2019
8. Xiangyu Xie, “Study on RPC signal attenuation and dispersion”, Feb. 13, 2020, RPC2020
9. Xiangyu Xie, “RPC online monitor”, Feb. 13, 2020, RPC2020
10. Quanyin Li, “R&D on double-end readout RPC for ATLAS Phase-II upgrade”, Feb. 11, 2020, RPC2020
11. Yongjie Sun, “The ATLAS RPC system upgrade for the High Luminosity LHC”, Feb. 11, 2020, RPC 2020,
12. Dimitrii Krasnopevtsev, “Studies of gas gaps current density in the ATLAS RPC detector during 2018 data taking at Large Hadron Collider”, Feb. 11, 2020, RPC 2020
13. Heng Li, “Performance of the ATLAS RPC detector and L1 Muon Barrel trigger at 13 TeV”, Feb. 11, 2020, RPC 2020
14. Rustem Ospanov, “Performance of the ATLAS RPC detector and L1 Muon Barrel trigger at sqrt(s) = 13 TeV”, , IEEE NSS/MIC 2019
15. Marco Sessa, “Performance of the ATLAS RPC detector and L1 Muon Barrel trigger at sqrt(s) = 13 TeV”, ICNFP 2019

已获批专利：

1. 制备阻性气体电子倍增器薄膜的方法和阻性气体电子倍增器薄膜, 专利号：ZL201810957329.5

2. 一种复合基材及其制备方法, 专利号：ZL201811146713.3

3. 一种在软基材表面制备低应力DLC薄膜的方法, 专利号：ZL201810314406.5

4. 用于GEM探测器放大单元的阻性基材、制备方法及支架, 专利号：ZL201810851559.3

5. 多气隙阻性井型探测器、放大单元、基材及制备方法, 专利号：ZL201810869392.3

6. 全阻性微井型探测器放大单元及制备方法, 专利号：ZL201811529144.0

7. 抑制充电效应的THGEM基材及其制备和检测方法, 专利号：ZL201811616624.0

8. 抑制充电效应的多层厚型气体电子倍增器及其制备方法, 专利号：ZL201910331418.3

9. 阻性厚型气体电子倍增器、探测器及制备方法, 专利号：ZL201811016846.9

10. 自淬灭打火放大单元、其制备方法、探测器及应用, 专利号：ZL201910331417.9

已申请专利：

1.一种触发探测器、触发探测器的工作方法与制备方法，申请号和专利号：202110361723.4，申请日期2021年4月2日