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Selected Publications:

Yanling Liu, Jian Li, Zhi-Yong Liu, Maozheng Chen, Jianping Yuan, Na Wang, Rai Yuen, Hao Yan , A search technique based on deep learning for fast radio bursts and initial results for FRB 20201124A with the NSRT, Research in Astronomy and Astrophysics, 2022, 22(10)

Yanling Liu, Maozheng Chen, Jian Li, Jian-Ping Yuan, Rai Yue, Zhiyong Liu, Hao Yan, Wen-Long Du, NanNan Zhai, Design and Application of an S-band Fast Radio Bursts Search Pipeline for the Nanshan 26 m Radio Telescope, Research in Astronomy and Astrophysics, 2024, 24(7)

Yanling Liu, Maozheng Chen, Jianping Yuan, Jian Li, Hao Yan, Nannan Zhai, Radio Frequency Interference Mitigation Methods for Fast Radio Burst Observational Data, Acta Astronomica Sinica, 2024, 65(2): 21-1-21-11

Yanling Liu, Maozheng Chen, Jianping Yuan, Review of Fast Radio Burst Search

Methods Based on Machine Learning, Atronomical Research & Technology, 2022, 19(5): 509-517

Yanling Liu, Maozheng Chen, Jian Li, Hao Yan, Jianping Yuan, Fast Radio Burst Candidate Classification with Convolutional Neural Networks, Acta Astronomica Sinica, 2022, 63(4): 107-116