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**Education:**

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|-----------|---------------------------------|-------|
| 2006-2009 | Central China Normal University | Ph.D. |
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**Research Interests:**

Pulsar, Neturon Star, Equation of state, Gravitational wave, FRB

**Selected Publications:**

1. **Xia Zhou\***, Hai-Tao Huang, Quan Chen, Xiao-Ping Zheng, *Formation of long-period radio pulsars*, 2024, MNRAS, 530, 1636.
2. Yu-Bin Wang , **Xia Zhou\***, Abdusattar Kurban,Fa-Yin Wang, *Bounding the Photon Mass with Ultrawide Bandwidth Pulsar Timing Data and Dedispersed Pulses of Fast Radio Bursts*, 2024, ApJ , 965, 38.
3. Heng-Yi Zhou, Wei Wei, **Xia Zhou\***, *Compact Stars in the  $\nu$ Bag Model and Its  $f$ -Mode Oscillations*, 2023, Universe, 9, 285.
4. Yu-Bin Wang, Abdusattar Kurban, **Xia Zhou\***, Yun-Wei Yu, Na Wang, *Statistical properties and lensing effect on the repeating fast radio burst FRB 180916.J0158+65*, 2023, MNRAS, 524, 569.
5. Hai-tao Huang, **Xia Zhou\***, Jian-ping Yuan, Xiao-Ping Zheng, *Timing and evolution of PSR B0950+08*, 2022, MNRAS, 512, 4689.

6. **Xia Zhou**, Ang Li\*, Bao-An Li, *R-mode Stability of GW190814's Secondary Component as a Supermassive and Superfast Pulsar*, 2021, ApJ, 910, 62.
7. Yu-Bin Wang, **Xia Zhou\***, Na Wang, Xiong-Wei Liu, *The r-mode instability windows of strange stars*, Research in Astronomy and Astrophysics, 2019,19(2), 30.
8. En-Ping Zhou, **Xia Zhou**, Ang Li\*, *Constraints on interquark interaction parameters with GW170817 in a binary strange star scenario*, Phys. Rev.D, 2018,97, 083015.
9. **Xia Zhou\***, Hao Tong, Cui Zhu, Na Wang, *Dependence of pulsar death line on the equation of state*, MNRAS, 2017, 472(2): 2403-2409.
10. Cui Zhu, **Xia Zhou\***, Na Wang, *Rotational energy conversion and thermal evolution of neutron stars*, Chinese Physics C, 2017, 41(12), 125104.