

Special Issue

Blazar Bursts: Theory and Observation

Message from the Guest Editor

Blazars are a subclass of active galactic nuclei, with jets pointing not far from earth, known for their violent variability and high polarization. However, the physical mechanism of blazar burst still remains undiscovered despite the numerous efforts undertaken over the decades. Thus, this Special Issue aims to collate recent research works to gain in-depth insights into the geometrical and intrinsic mechanisms of blazar bursts. This Special Issue, Blazar Bursts: Theory and Observation, will include, but not limited to, the following topics:

- Observation and analysis on the time series at multiple wavelengths;
- Spectrum study at short- and long-term timescales for blazars;
- Observational and theoretical study on the polarization variation of blazars;
- Correlation study on multiple-wavelength light curves ;
- Abnormal bursts of blazars like tidal disruption events;
- Observational and model study on quasiperiodic eruptions;
- Search and identification of supermassive black hole binaries.

Guest Editor

Prof. Dr. Yunguo Jiang

1. Shandong Provincial Key Laboratory of Optical Astronomy and Solar-Terrestrial Environment, Institute of Space Sciences, Shandong University, Weihai 264209, China
2. School of Space Science and Physics, Shandong University, Weihai 264209, China

Deadline for manuscript submissions

closed (31 May 2024)



Universe

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.2



mdpi.com/si/183438

Universe
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
universe@mdpi.com

[mdpi.com/journal/
universe](https://mdpi.com/journal/universe)





Universe

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.2



[mdpi.com/journal/
universe](https://mdpi.com/journal/universe)



About the Journal

Message from the Editor-in-Chief

The multidisciplinary journal *Universe* is aiming to follow and, hopefully, to lead to the largest extent as possible the ever-self renovating threads which weave mathematical theories with our understanding of the magnificent natural world. On behalf of all the distinguished members of the Advisory and Editorial Boards, I extend my welcome to this journal and look forward to hearing from the interested contributors and learning about their valuable research.

Editor-in-Chief

Prof. Dr. Lorenzo Iorio
Ministero dell' Istruzione e del Merito, Viale Unità di Italia 68, 70125 Bari,
Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Astrophysics Data System, INSPIRE, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Astronomy and Astrophysics) / CiteScore - Q2 (General Physics and Astronomy)