

## 《活动星系核的喷流与寄主星系恒星形成机制的研究》公示内容

由陈永云、樊军辉、俞效龄、钟晓谷、易庭丰完成的《活动星系核的喷流与寄主星系恒星形成机制的研究》拟提名 2026 年度云南省自然科学奖项目，现将该项目的基本情况公示如下：

### 一、项目名称

活动星系核的喷流与寄主星系恒星形成机制的研究

### 二、拟提名等级

拟提名云南省自然科学奖三等奖

### 三、主要论文专著目录

序号	作者	题目	期刊	他引总次数	影响因子	分区(大类)
1	Chen, Yong-Yun, Gu, Qiu-Sheng, Fan, Jun-Hui, Yu, Xiao-Ling, Ding, Nan, Xiong, Ding-Rong, Guo, Xiao-Tong	General Physical Properties of Gamma-Ray-emitting Radio Galaxies	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	5	8.5	SCI 一区
2	Chen, Yong-Yun, Gu, Qiu-Sheng, Fan, Jun-Hui, Yu, Xiao-Ling, Zhong, Xiao-Gu, Liu, Hong-Yu, Ding, Nan, Xiong, Ding-Rong, Guo, Xiao-Tong	General Physical Properties of Fermi Blazars	ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES	3	8.5	SCI 一区
3	Chen, Yong-Yun, Gu, Qiu-Sheng, Fan, Jun-Hui, Yu,	Jet power extracted from ADAFs and the application to Fermi BL Lacertae	MONTHLY	5	4.8	SCI 二区

	Xiao-Ling , Ding, Nan, Guo, Xiao -Tong, Xiong, Ding-Rong	objects	NOTICES OF THE ROYAL ASTRONO MICAL SOCIETY			
4	Chen, Yong-Yun, Gu, Qiu-Sheng, Fan, Jun-Hui, Yu, Xiao-Ling, Ding, Nan, Xiong, Ding -Rong, Guo, Xiao-Tong	Curvature of the Spectral Energy Distribution, Compton Dominance, and Synchrotron Peak Frequency in Jetted Active Galactic Nuclei	ASTROPH YSICAL JOURNAL	7	5.4	SCI 二区
5	Chen, Yong-Yun, Gu, Qiu-Sheng, Fan, Jun-Hui, Yu, Xiao-Ling , Ding, Nan, Guo, Xiao-Tong, Xiong, Ding-Rong	Jet power, intrinsic $\gamma$ -ray luminosity, and accretion in jetted AGNs	MONTHL Y NOTICES OF THE ROYAL ASTRONO MICAL SOCIETY	3	4.8	SCI 二区
6	Chen, Yong-Yun, Gu, Qiu-Sheng, Fan, Jun-Hui, Yu, Xiao-Ling , Ding, Nan, Guo, Xiao-Tong, Xiong, Ding-Rong	The jet formation mechanism of gamma-ray narrow-line Seyfert 1 galaxies	MONTHL Y NOTICES OF THE ROYAL ASTRONO MICAL SOCIETY	4	4.8	SCI 二区
7	Chen, Yong-Yun, Gu, Qiu-Sheng, Fan, Jun-Hui, Zhou, Hong-Yan, Yuan, Ye-Fei, Gu, Wei-Min, Wu, Qin-Wen, Xiong, Ding-Rong, Guo, Xiao-Tong, Ding, Nan, Yu, Xiao-Ling	The Powers of Relativistic Jets Depend on the Spin of Accreting Supermassive Black Holes	ASTROPH YSICAL JOURNAL	17	5.4	SCI 二区
8	Chen Yong-Yun, Gu Qiu-Sheng, Fan Jun-Hui, Wang Hong-Tao, Ding Nan, Yu Xiao-ling, Guo Xiao-Tong,	From the Fermi Blazar Sequence to the Relation between Fermi Blazars and $\gamma$ -Ray Narrow-line Seyfert 1 Galaxies	ASTROPH YSICAL JOURNAL	3	5.4	SCI 二区

	Xiong Ding-Rong					
9	Chen Yong-Yun, Gu Qiu-sheng, Ge Xue	The physical properties of galaxies with unusually high gas-phase metallicity	RESEARCH IN ASTRONOMY AND ASTROPHYSICS	1	2.8	SCI 三区
10	Chen Yong-Yun, Gu Qiu-Sheng	The black hole mass, jet power and accretion in blazars and flat-spectrum radio-loud narrow-line Seyfert 1 galaxies	ASTROPHYSICS AND SPACE SCIENCE	7	1.5	SCI 四区
11	Chen Yong-Yun, Zhang Xiong, Xiong Ding-Rong, Wang Si-Ju, Yu Xiao-ling	The beaming effect and gamma-ray emission for Fermi blazars	RESEARCH IN ASTRONOMY AND ASTROPHYSICS	14	2.8	SCI 三区
12	Chen Yong-Yun, Zhang Xiong, Zhang Hao-Jing, Yu Xiao-ling	Core-dominance parameter, black hole mass and jet-disc connection for Fermi blazars	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	14	4.8	SCI 二区
13	Chen Yong-Yun, Zhang Xiong, Xiong Ding-Rong, Yu Xiao-ling	BLACK HOLE MASS, JET POWER, AND ACCRETION IN AGNs	ASTRONOMICAL JOURNAL	13	5.1	SCI 二区
14	Chen, Yong-Yun, Zhang, Xiong, Zhang, Hao-Jing, Xiong Ding-Rong, Yu, Xiao-Ling, Cha, Yong-Juan, Li, Bi-Jun, Huang, Xia	Jet/accretion and unification for FSRQs/FRII and BL Lac objects/FRI radio galaxies	ASTROPHYSICS AND SPACE SCIENCE	10	1.5	SCI 四区
15	Fan Jun-Hui, Yang, Jiang-He, Liu Yi, Luo Guang-Yu, Lin Chao, Yuan Yu-Hai, Xiao Hu-Bing, Zhou Ai-Yi, Hua Tong-Xu, Pei Zhi-Yuan	THE SPECTRAL ENERGY DISTRIBUTIONS OF FERMI BLAZARS	ASTROPHYSICAL JOURNAL SUPPLEMENT	85	8.5	SCI 二区

			SERIES			
16	Fan, Jun-Hui ; Bastieri, Denis ; Yang, Jiang-He ; Liu, Yi ; Hua, Tong-Xu ; Yuan, Yu-Hai ; Wu, De-Xiang	The lower limit of the Doppler factor for a Fermi blazar sample	RESEARCH IN ASTRONOMY AND ASTROPHYSICS	17	2.8	SCI 三区
17	Yu Xiao-Ling, Shi Yong, Chen Yan-Mei, Law David R, Bizyaev Dmitry, Bing Long-Ji, Li Song-Lin, Zhou Lu-wenja, Chen Jian-Hang, Riffel Rogemar A, Riffel Rogerio, Zhang Kai, Chen Yong-Yun, Pan Kai-Ke	What drives the velocity dispersion of ionized gas in star-forming galaxies?	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	24	4.8	SCI 二区
18	Zhong, Xiao-Gu, Wang, Jian-Cheng	A Magnetic Reconnection Origin for the Soft X-Ray Excess in an Active Galactic Nucleus	ASTROPHYSICAL JOURNAL	8	5.4	SCI 二区
19	Chang X, Yi T.F., Xiong D.R., Liu C.X., Yang X., Li H.Z., Gong Y.L., Na W.W., Li Y., Chen Z.H., Chen J.P., Mao L.S	Multicolour optical variability monitoring of blazars with high time resolution	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	5	4.8	SCI 二区
20	Yu, Xiao-ling Bian, Fuyan, Krumholz, Mark R, Shi, Yong, Li, Songlin, Chen, Jianhang	The major mechanism to drive turbulence in star-forming galaxies	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	13	4.8	SCI 二区

#### 四、主要完成单位

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