

施勇

1980年11月出生。

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教育经历:

1999.9-2003.7 北京大学, 地球物理系, 天文专业, 学士学位。

2003.8-2008.8 亚利桑那大学 (美国), 天文学, 博士学位。

工作经历:

2008.8-2009.8: 亚利桑那大学 (美国), 博士后。

2009.9-2013.2: 加州理工学院 (美国), 博士后。

2013.3 至今: 南京大学, 教授, 博导, 国家青年千人。

科研基金项目:

国家自然科学基金面上项目, 11373021, 极端贫金属星系: 尘埃特性和恒星形成, 2014/01-2017/12, 80 万元, 在研, 主持。

中国科学院战略性先导 B 专项, XDB09000000, 宇宙结构起源 B 类先导, 2014/01-至今, 66 万, 在研, 参与 (骨干成员)。

中央组织部青年千人项目 (第四批), 2013. 1-2015. 12, 200 万, 在研、主持。

江苏省基金杰出青年项目, BK20150014, 2015. 7-2018. 7, 100 万, 在研、主持。

空间望远镜项目:

- PI on Herschel OT2 yshi 3 (16.1 hrs, priority 1):
“Extremely-metal poor galaxies: mapping dust emission”
- Technical Contact and Co-I on Spitzer-50507, 50508 (14.2 hrs, PI: G. Rieke)
“Quasar and ULIRG Evolution”
- Technical Contact* and Co-I on Spitzer-50196 (25.1 hrs, PI: G. Rieke.):
“Cosmic Evolution of Star Formation in Quasar Hosts from $z=1$ to the Present”
- Technical Contact* and Co-I on Spitzer-40385 (2.1 hrs, PI: G. Rieke.):
“A Challenge to the Unification Model”

地面望远镜项目:

- Keck 10 m: DEIMOS
- IRAM 30 m: 24 hrs (2014A), 59.5 hrs (2016A).
- Palomar 200 inch: DBSP; LFC; WIRC
- CFHT: MegaCAM
- Bok 2.3 m
- Arizona Radio Observatory NRAO-12m
- Arizona Radio Observatory SMT-10m

学术服务:

ApJ, ApJL, A&A, AJ, SciChina, RAA 的审稿人
Telescope Access Program 望远镜分配委员会委员

论文发表情况汇总（共36篇）

	通讯作者	非通讯作者	总计
Nature	1	0	1
Nature子刊	0	1	1
ApJ, ApJS, ApJL, MNRAS, A&A (全部为Nature Index高影响力科学期刊)	17	18	35
AJ	0	1	1
总计	18	20	38

第一或通讯作者论文:

18. Zhang, Z.; Shi, Y* et al. 2016, *ApJL*, 819, 27
“Distributions of quasar hosts on the galaxy main-sequence plane”
17. Zhou, L.; Shi, Y* et al. 2016, *MNRAS*, 458, 772
“Spatially resolved dust emission of extremely metal poor galaxies”
16. Shi, Y.*, Wang, J., Zhang, Z.-Y. et al. 2015, *ApJL*, 804, 11
“The Weak Carbon Monoxide Emission in an Extremely Metal-poor Galaxy, Sextans A”
15. Shi, Y.*, Armus, L., Helou, G. et al. 2014, *Nature*, **514**, 335–338
“Inefficient star formation in extremely metal poor galaxies”
14. Shi, Y.*, Rieke, G., Ogle, P. et al., 2014, *ApJS*, 214, 23 “Infrared spectra and photometry of complete samples of PG and 2MASS quasars”
13. Shi, Y.*, Helou, G., Armus, L. 2013, *ApJ*, 777, 6 “A Joint Model Of X-ray And Infrared Backgrounds. II. Compton-Thick AGN Abundance”

12. Shi, Y.*, Helou, G., et al. 2013, *ApJ*, 764, 28 “A Joint Model of the X-Ray and Infrared Extragalactic Backgrounds. I. Model Construction and First Results”
11. Shi, Y.*, Helou, G., et al. 2011, *ApJ*, 733, 87 “Extended Schmidt Law: Roles Of Existing Stars In Current Star Formation”
10. Shi, Y.*, Rieke, G. H., et al. 2010, *ApJ*, 714, 115 “Unobscured Type 2 Active Galactic Nuclei”
9. Shi, Y.*, Rieke, G. H., et al. 2009, *ApJ*, 703, 1107 “Cosmic Evolution of Star Formation in Type-1 Quasar Hosts Since $z = 1$ ”
8. Shi, Y.*, Rieke, G. H., et al. 2009, *ApJ*, 697, 1764 “Role of Major Mergers In Cosmic Star Formation Evolution”
7. Shi, Y.*, Rieke, G. H. et al. 2008, *ApJ*, 688, 794 “BH Accretion in Low-Mass Galaxies Since $z \sim 1$ ”
6. Shi, Y.*, Ogle, P., Rieke, G. H. et al. 2007, *ApJ*, 669, 841 “Aromatic Features in AGN: Star-Forming Infrared Luminosity Function of AGN Host Galaxies”
5. Shi, Y.*, Rieke, G. H., Hines, D. C. et al. 2007, *ApJ*, 655, 781 “Thermal and Nonthermal Infrared Emission from M87”
4. Shi, Y.*, Rieke, G. H., Hines, D. C. et al. 2006, *ApJ*, 653, 127 “9.7 μm Silicate Features in Active Galactic Nuclei: New Insights into Unification Models”
3. Shi, Y.*, Rieke, G. H., Papovich, C. et al. 2006, *ApJ*, 645, 199 “Morphology of Spitzer 24 μm Detected Galaxies in the UDF: The Links between Star Formation and Galaxy Morphology”
2. Shi, Y.*, Rieke, G. H., Hines, D. C. et al. 2005, *ApJ*, 629, 88 “Far-Infrared Observations of Radio Quasars and FR II Radio Galaxies”
1. Shi, Y., & Xu, R. X.* 2003, *ApJ*, 596, 75 “Can the Age Discrepancies of Neutron Stars Be Circumvented by an Accretion-assisted Torque?”

其他作者论文:

20. Guo R. et al. (Shi Y. 5th author), 2016, *ApJ* accepted, [arXiv:1604.07122](https://arxiv.org/abs/1604.07122)
19. Chen, Y. et al. (Shi Y. 4th author), 2016, *MNRAS* accepted, “Boxy H α Emission

Profiles in Star-Forming Galaxies”

18. Bian, W. H. et al. (Shi Y. 4th author), 2016, *MNRAS*, 456, 4081, “Spectral principal component analysis of mid-infrared spectra of a sample of PG QSOs”

17. Wang, J. et al. (Shi Y. 4th author), 2016, *MNRAS*, 455, 3986, “Dense-gas properties in Arp 220 revealed by isotopologue lines”

16. Wang, J. et al. (Shi Y. 7th author), 2014, *Nature Communication*, 5, 5449 “SiO and CH₃OH mega-masers in NGC 1068”

15. Kirkpatrick, A. et al. (Shi Y. 10th author), 2014, *ApJ*, 796, 135 “Early Science with the Large Millimeter Telescope: Exploring the Effect of AGN Activity on the Relationships between Molecular Gas, Dust, and Star Formation”

14. Wang, J. et al. et al. (Shi Y. 4th author), 2014, *ApJ*, 796, 57 “Isotopologues of Dense Gas Tracers in NGC 1068”

13. Jin, S. et al. (Shi Y. 4th author), 2014, *ApJ*, 787, 63 “Color-Magnitude Distribution of Face-on nearby Galaxies in Sloan Digital Sky Survey DR7”

12. Dale, D. et al. (Shi Y. 6th author), 2014, *ApJ*, 784, 83 “A Two-parameter Model for the Infrared/Submillimeter/Radio Spectral Energy Distributions of Galaxies and Active Galactic Nuclei”

11. Wang, J. et al. (Shi Y. 3rd author), 2013, *ApJL*, 778, 39 “A SiO 2-1 Survey toward Gas-rich Active Galaxies”

10. Magdis, G. E. et al. (Shi Y. 22th author), 2013, *A&A*, 558, 136 “Mid- to far infrared properties of star-forming galaxies and active galactic nuclei”

9. Kim, Ji Hoon, et al. (Shi Y. 16th author), 2012, *ApJ*, 760, 120 “The 3.3 m Polycyclic Aromatic Hydrocarbon Emission as a Star Formation Rate Indicator”

8. Wang, J., et al. (Shi Y. 3rd author) 2011, *MNRAS*, 416, 21 “CS (5-4) survey towards nearby infrared bright galaxies”

7. Tyler, K. D., Rieke, G. H. et al. (Shi Y. 9th author) 2011, *ApJ*, 738, 56 “The Nature of Star Formation at 24 m in the Group Environment at $0.3 < z < 0.55$ ”

6. Wu, Y., et al. (Shi Y. 2nd author) 2011, *ApJ*, 734, 40 “The Mid-infrared Luminosity Function at $z < 0.3$ from 5MUSES: Understanding the Star Formation/Active Galactic Nucleus Balance from a Spectroscopic View”

5. Wu, Y., et al. (Shi Y. 5th author) 2010, *ApJ*, 723, 895 “Infrared Luminosities and Aromatic Features in the 24um Flux Limited Sample of 5MUSES”
4. Mason, R. E., et al. (Shi Y. 3rd author) 2009, *ApJ*, 693, 136 “The Origin of the Silicate Emission Features in the Seyfert 2 Galaxy NGC 2110”
3. Ballantyne, D. R., et al. (Shi Y. 2nd author) 2006, *ApJ*, 653, 1070 “Does the AGN Unified Model Evolve with Redshift? Using the X-Ray Background to Predict the Mid-Infrared Emission of AGNs”
2. Jiang, L. et al. (Shi Y. 4th author) 2006, *AJ*, 132, 2127 “Probing the Evolution of Infrared Properties of $z \sim 6$ Quasars: Spitzer Observations”
1. Wu, Y. et al. (Shi Y. 4th author) 2004, *A&A*, 426, 503 “A study of high velocity molecular outflows with an up-to-date sample”