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↙ <http://stardust.lamost.org>



The universe is made of stories, not atoms.

Work

Lecturer	College	2014 - Now
	Department of Astronomy, Beijing Normal University (BNU), Beijing, China	
	Research, teaching, and students' affair	
Post-doc	Institution	2011 - 2014
	National Astronomical Observatories, Chinese Academy of Sciences (NAOC), Beijing, China	
	LAMOST data and research	
	Advisor: Prof. Dr. Licai Deng	

Education

Ph.D.,	Astrophysics	November 2008 - October 2011
	ARI, University of Heidelberg, Heidelberg, Germany	
	Supervisor: Prof. Dr. Eva K. Grebel	
M.S.,	Astrophysics	September 2005 - June 2008
	Department of Astronomy, BNU, Beijing, China	
	Supervisor: Prof. Dr. Biwei Jiang	
B.S.,	Astronomy	September 2001 - June 2005
	Department of Astronomy, BNU, Beijing, China	
	Advisor: Prof. Dr. Biwei Jiang	

Awards

Dec. 2016	The first prize	Teaching Competition of BNU
Jul. 2016	The outstanding outreach book	Chongqing City

Fellowships

2011-2014	LAMOST fellowship	<i>National Astronomical Observatories of China</i>
2008-2011	CSC scholarship	<i>Chinese Scholarship Council (CSC)</i>

Conference talks

- **The Binarity of Milky Way F,G,K Stars as a Function of Effective Temperature and Metallicity**
Scientific User Conference of LAMOST *Xinglong, China* • *July 2014*
- **A detailed self-consistent vertical Milky Way disc model**
Astronomical Annual Meeting of Germany *Heidelberg, Germany*
 • *September. 2011*

Observation experience

LAMOST	<i>Xinglong, China</i> • <i>October 16-18, 2012</i>
13.7m MM-Wave telescope	<i>Delingha, China</i> • <i>February 12-25, 2005</i>

Refereed papers

- Revision of Stellar Intrinsic Colors in the Infrared by Spectroscopic Surveys
Jian M., **Gao S.**, Zhao H., Jiang B., 2017, AJ, 153, 5J
- Sharp Chandra View of ROSAT All-Sky Survey Bright Sources: I. Improvement of Positional Accuracy
Gao S., Wang S., Liu J., 2016, RAA, 16, 187G
- White-light Flares on Close Binaries Observed with Kepler
Gao Q., Xin Y., Liu J., Zhang X., **Gao S.**, 2016, ApJS, 224, 37G
- The velocity distribution in the solar neighbourhood from the LAMOST pilot survey
Xia Q., Liu C., Xu Y., Mao S., **Gao S.** et al., 2015, MNRAS, 447, 2367X
- The K Giant Stars from the LAMOST Survey Data. I. Identification, Metallicity, and Distance
Liu C., Deng L., Carlin J. L., Smith M. C., Li J., Newberg H. J., **Gao S.** et al., 2014, ApJ, 790, 110L
- The Binarity of Milky Way F,G,K Stars as a Function of Effective Temperature and Metallicity
Gao S., Liu C., Zhang X., Justham S., Deng L. & Yang M., 2014, ApJ, 788L, 37G
- Hydrogen lines in LAMOST low-resolution spectra of RR Lyrae stars

- Yang F., Deng L., Liu C., Carlin J. L., Newberg H. J., Carrell K., Justham S., Zhang X., Bai Z., Wang F., Zhang H., Wang K., Xin Y., Xu Y., **Gao S.** et al., 2014, ApJ, 788L, 37G
- DA White Dwarfs Observed in the LAMOST Pilot Survey
- Zhang Y., Deng L., Liu C., Lépine S., Newberg H. J., Carlin J. L., Carrell K., Yang F., **Gao S.** et al., 2013, AJ, 146, 34Z
- Detailed comparison of Milky Way models based on stellar population synthesis and SDSS star counts at the north Galactic pole
- Gao S.**, Just A. & Grebel E. K., 2013, A&A, 549, 20G
- The LEGUE high latitude bright survey design for the LAMOST pilot survey
- Zhang Y., Carlin J. L., Yang F., Liu C., Deng L., Newberg H. J., Zhang H., Lépine S., Xu Y., **Gao S.** et al., 2012, RAA, 12, 792Z
- The LEGUE input catalog for dark night observing in the LAMOST pilot survey
- Yang F., Carlin J. L., Liu C., Zhang Y., **Gao S.** et al., 2012, RAA, 12, 781Y
- The site conditions of the Guo Shou Jing Telescope
- Yao S., Liu C., Zhang H., Deng L., Newberg H. J., Zhang Y., Li J., Liu N., Zhou X., Carlin J. L., Chen L., Christlieb N., **Gao S.** et al., 2012, RAA, 12, 781Y
- An algorithm for preferential selection of spectroscopic targets in LEGUE
- Carlin J. L., Lépine S., Newberg H. J., Deng L., Beers T. C., Chen Y., Christlieb N., Fu X., **Gao S.** et al., 2012, RAA, 12, 755
- Towards a fully consistent Milky Way disc model - II. The local disc model and SDSS data of the NGP region
- Just A., **Gao S.** & Vidrih S., 2011, MNRAS, 411, 2586J
- Possible Streams of the Globular Clusters in the Galaxy
- Gao S.**, Jiang B. & Zhao Y., 2007, ChJAA, 7, 111G

Conference proceedings

- The Velocity Distribution in the Solar Neighborhood from LAMOST Pilot Survey
- Xia Q., Liu C., Xu Y., Mao S., **Gao S.**, 2014, IAUS, 298, 447X
- The identification of K giant stars in LAMOST pilot survey
- Liu C., Yang F., Deng L., Xu Y., Cui W., Xue X., **Gao S.** et al., 2014, IAUS, 298, 425L
- A detailed self-consistent vertical Milky Way disc model
- Just A., Glubov O. & **Gao S.**, 2012, EPJWC, 1910007J
- Candidate Streams of the Galactic Globular Clusters

jiang B., **Gao S.** & Zhao Y., 2008, MGNG.conf, 339J

Teaching

Course	History of Astronomy	<i>since Sep. 2015</i>
	2 points for bachelor students	
Course	MATLAB	<i>since Sep. 2016</i>
	1 points for bachelor students	
Course	Freshman Seminar	<i>since Sep. 2016</i>
	1 points for bachelor students	

Outreach

A short list is here. Check my web site to show a full list.
<http://stardust.lamost.org/outreach.html>

Film “*Into the Sky*”, documentary series, October 2015 - Now

public talk Fangsuo book store, Chongqing, China, December 2015

public talk Beijing Museum of Natural History, China, July 2012

public talk Guokr.com, "The 8th day", Beijing, China, July 2012

article “*Newton and Monkey King*”, *Science and Technology Daily* (Chinese newspaper), Sep. 2016

article “*Lucky to Be an Observer*”, *Guangming Daily* (Chinese newspaper), Jun. 2016

article “*The history about everything*”, *Amateur astronomer* (Chinese magazine), December 2015

Committees and Professional Service

Member	China National Committee for Terms in Astronomy	<i>2015 - Now</i>
	Stars and the Milky Way section	
Member	Lab of Department of Astronomy, BNU	<i>2015 - Now</i>
Member	Beijing Astronomical Society	<i>2014 - Now</i>
President	Post-doc club of NAOC	<i>2011 - 2014</i>
	Representation and organization	