

## Di Li

**Address:** National Astronomical Observatories, Chinese Academy of Sciences,  
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### EDUCATION

**Ph.D., Astrophysics**  
Cornell University, Ithaca, NY February 2002

**Bachelor of Science, Nuclear Physics**  
Beijing University, Beijing, China July 1995

**Graduation Certificate, Computer Science**  
Beijing University, Beijing, China July 1995

### EMPLOYMENT

**Chief Scientist** July 2018 – Present  
The Five-hundred-meter Aperture Spherical radio Telescope (FAST) Project

**Chief Scientist** Jan 2012 – Present  
Radio Astronomy Division, National Astronomical Observatories of China

**Research Scientist** Jan 2007 – Dec 2011  
Jet Propulsion Laboratory, California Institute of Technology

**National Research Council Fellow** May 2005 – Dec 2006  
Jet Propulsion Laboratory, California Institute of Technology

**Astronomer** Feb 2002 – May 2005  
Harvard-Smithsonian Center for Astrophysics

### SELECTED GRANTS , AWARDS, COMMITTEE MEMBERSHIPS

**Member, Basic Science Center** 2020–2025  
National Natural Science Foundation of China  
“LAMOST and FAST: A Study of the Milky Way and the Local Universe”

**PI, Distinguished Young Fellowship** 2017–2022  
National Natural Science Foundation of China  
“Surveys with Large Radio Facilities and Evolution of the Interstellar Medium”

**PI, National Key R&D Program of China** 2017–2022  
Ministry of Science and Technology of China  
“A Commensal Radio Astronomy FAST Survey (CRAFTS)”

**Member** 2015–2018  
Major Facilities User-Guidance Council, Chinese Academy of Sciences

**PI, International Partnership Key Program** 2017–2022  
Chinese Academy of Sciences

**CoI, Gravitational Wave and General Relativity** 2017–2022  
Key Program of National Natural Science Foundation of China

<b>Chair</b> Cradle of Life Science Working Group, The Square Kilometer Array Organization	2015–2016
<b>Member, Australia Telescope National Facility Steering Committee (ATNF)</b> The Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia	2012–2014
<b>PI, Fundamental Science Key Program (973)</b> Ministry of Science and Technology of China <i>“The Frontiers of Radio Astronomy and FAST Early Sciences”</i>	2012–2016
<b>Member, Stratospheric Observatory for Far Infrared Astronomy (SOFIA) Science User Group</b> Universities Space Research Association (USRA)	2012–2014
<b>Member of the Judge Panel, Chinese National Science and Technology Achievement Award</b> Ministry of Science and Technology of China	2012
<b>PI, Herschel Open Time Project, ESA/NASA</b> <i>“The Conditions of Isolated Dark Clouds with Signs of On Going H2 Formation”</i>	2011
<b>PI, SOFIA Basic Science Program, ESA/NASA</b> <i>“Mapping Dark Gas in Rho Oph A”</i>	2011
<b>Member of Group Achievement Award, NASA</b> <i>Citation: “Outstanding achievements in the successful development of critical hardware”</i>	2010
<b>CoI of four Herschel Open Time Projects, ESA/NASA</b>	2010
<b>CoI of Herschel Open Time Key Projects, ESA/NASA</b> <i>“GOT CPlus: State of the Diffuse ISM: Galactic Observations of the Terahertz CII Line”</i> <i>“HOP: Herschel Oxygen Project”</i>	2008
<b>PI of Spitzer Proposal, NASA</b> <i>“MIPS SED Observations of Massive Quiescent Cores in Orion”</i>	2007
<b>CoI of two Spitzer Proposals and Grants, NASA</b>	2006
<b>Resident Research Associateship Award</b> National Research Council, USA <i>Citation: “Awarded to postdoctoral scholars of outstanding ability as a result of national competition.”</i>	2005

## SYNOPSIS OF EXPERIENCES

Dr. Li is a radio astronomer. He is the Chief Scientist of both FAST and the radio division of NAOC. He pioneered several observing and data analysis techniques, including HI narrow self-absorption (HINSA) and a new inversion algorithm for solving the dust temperature distribution. These techniques facilitated important measurements of star forming regions, such as their formation time scale. Dr. Li has led and/or made multiple significant discoveries, including the first detection of interstellar molecular oxygen, the first new pulsar, and the first new Fast Radio Burst (FRB) discovered by FAST. He is leading a large FAST survey that has discovered more than 100 pulsars, more than 5 FRBs, and obtained the largest FRB pulse set in the world to date. He has published more than 130 peer-reviewed journal articles with more than 3500 citations. He won the National Research Council (US) Resident Research Fellow award (2005) based on “his outstanding research capabilities” and as “a result of national competition”. He won (as a member) the NASA outstanding team award (2009). He won the 2017 Distinguished Achievement Award (as a major contributor) of the Chinese Academy of Sciences (CAS). He took on many leading and/or advisory roles in national and international organizations, including the Steering Committee of Australia Telescope National Facility (ATNF), the “Cradle of Life” science working group (as a co-chair) of the Square Kilometer Array, the CAS Major-facilities Guidance Group, and the advisory panel of the Breakthrough Listen initiative.

## PUBLICATIONS

- **2020** Eswaraiyah, Chakali; **Li, Di\***; Samal, Manash R.; Wang, Jia-Wei; Ma, Yuehui; Lai, Shih-Ping; Zavagno, Annie; Ching, Tao-Chung; Liu, Tie; Pattle, Kate; Ward-Thompson, Derek; Pandey, Anil K. and Ojha, Devendra K., *Unveiling the Importance of Magnetic Fields in the Evolution of Dense Clumps Formed at the Waist of Bipolar H II Regions: A Case Study of Sh 2-201 with JCMT SCUBA-2/POL-2*, 2020, ApJ, 897,90
- **2020** Liu, Tie and Evans, Neal J. and Kim, Kee-Tae and Goldsmith, Paul F. and Liu, Sheng-Yuan and Zhang, Qizhou and Tatematsu, Ken'ichi and Wang, Ke and Juvela, Mika and Bronfman, Leonardo and Cunningham, Maria R. and Garay, Guido and Hirota, Tomoya and Lee, Jeong-Eun and Kang, Sung-Ju and **Li, Di** and Li, Pak-Shing and Mardones, Diego and Qin, Sheng-Li and Ristorcelli, Isabelle and Tej, Anandmayee and Toth, L. Viktor and Wu, Jing-Wen and Wu, Yue-Fang and Yi, Hee-weon and Yun, Hyeong-Sik and Liu, Hong-Li and Peng, Ya-Ping and Li, Juan and Li, Shang Huo and Lee, Chang Won and Shen, Zhi-Qiang and Baug, Tapas and Wang, Jun-Zhi and Zhang, Yong and Issac, Namitha and Zhu, Feng-Yao and Luo, Qiu-Yi and Liu, Xun-Chuan and Xu, Feng-Wei and Wang, Yu and Zhang, Chao and Ren, Zhiyuan and Zhang, Chao *ATOMS: ALMA three-millimeter observations of massive star-forming regions - II. Compact objects in ACA observations and star formation scaling relations*, 2020, MNRAS, 496, 2821
- **2020** Liu, Tie and Evans, Neal J. and Kim, Kee-Tae and Goldsmith, Paul F. and Liu, Sheng-Yuan and Zhang, Qizhou and Tatematsu, Ken'ichi and Wang, Ke and Juvela, Mika and Bronfman, Leonardo and Cunningham, Maria R. and Garay, Guido and Hirota, Tomoya and Lee, Jeong-Eun and Kang, Sung-Ju and **Li, Di** and Li, Pak-Shing and Mardones, Diego and Qin, Sheng-Li and Ristorcelli, Isabelle and Tej, Anandmayee and Toth, L. Viktor and Wu, Jing-Wen and Wu, Yue-Fang and Yi, Hee-weon and Yun, Hyeong-Sik and Liu, Hong-Li and Peng, Ya-Ping and Li, Juan and Li, Shang-Huo and Lee, Chang Won and Shen, Zhi-Qiang and Baug, Tapas and Wang, Jun-Zhi and Zhang, Yong and Issac, Namitha and Zhu, Feng-Yao and Luo, Qiu-Yi and Soam, Archana and Liu, Xun-Chuan and Xu, Feng-Wei and Wang, Yu and Zhang, Chao and Ren, Zhiyuan and Zhang, Chao, *ATOMS: ALMA Three-millimeter Observations of Massive Star-forming regions - I. Survey description and a first look at G9.62+0.19*, 2020, MNRAS, 496, 2790
- **2020** Tatematsu, Ken'ichi; Liu, Tie; Kim, Gwanjeong and Yi, Hee-Weon; Lee, Jeong-Eun; Hirano, Naomi and Liu, Sheng-Yuan; Ohashi, Satoshi; Sanhueza, Patricio and Francesco, James Di; Evans, Neal J., II; Fuller, Gary A. and Kandori, Ryo; Choi, Minho; Kang, Miju; Feng, Siyi and Hirota, Tomoya; Sakai, Takeshi; Lu, Xing and Lu'o'ng, Quang Nguyen; Thompson, Mark A.; Wu, Yuefang and **Li, Di**; Kim, Kee-Tae; Wang, Ke; Ristorcelli, Isabelle and Juvela, Mika; Tóth, L. Viktor, *ALMA ACA; Nobeyama Observations of Two Orion Cores in Deuterated Molecular Lines*, 2020, ApJ, 895, 119
- **2020** Xu, Xuefang; **Li, Di\***; Dai, Y. Sophia; Fuller, Gary A. and Yue, Nannan, *Independent Core Rotation in Massive Filaments in Orion*, 2020, ApJ, 894L, 20
- **2020** **Li, Di\***; Gajjar, Vishal; Wang, Pei; Siemion, Andrew and Zhang, Zhi-Song; Zhang, Hai-Yan; Yue, You-Ling and Zhu, Yan; Jin, Cheng-Jin; Li, Shi-Yu; Berger, Sabrina and Brzycki, Bryan; Cobb, Jeff; Croft, Steve and Czech, Daniel; DeBoer, David; DeMarines, Julia and Drew, Jamie; Emilio Enriquez, J.; Gizani, Nectaria and Korpela, Eric J.; Isaacson, Howard; Lebofsky, Matthew and Lacki, Brian; MacMahon, David H. E.; Nanez, Morgan and Niu, Chen-Hui; Pei, Xin; Price, Danny C. and Werthimer, Dan; Worden, Pete; Gerry Zhang, Yunfan and Zhang, Tong-Jie; FAST Collaboration, *Opportunities to search for extraterrestrial intelligence with the FAST*, 2020, RAA, 20, 78
- **2020** Tang, Ning-Yu; Zuo, Pei; **Li, Di\***; Qian, Lei and Liu, Tie; Wu, Yue-Fang; Krčo, Marko and Liu, Meng-Ting; Yue, You-Ling; Zhu, Yan and Liu, Hong-Fei; Yu, Dong-Jun; Sun, Jing-Hai and Jiang, Peng; Pan, Gao-Feng; Li, Hui; Gan, Heng-Qian and Yao, Rui; Liu, Shu; FAST Collaboration, *Pilot HI survey of Planck Galactic Cold Clumps with FAST*, 2020, RAA, 20, 77
- **2020** Gao, Yang; Qian, Lei; **Li, Di**, *Observational Features of Exoplanetary Synchrotron Radio Bursts*, 2020, ApJ, 895, 22
- **2020** Zhang, Xin-Xin; Duan, Ran; Yu, Xin-Ying; **Li, Di** and Tang, Ning-Yu; Ching, Tao-Chung, *The*

- **2020** Yao, Ju-Mei; Zhu, Wei-Wei; Wang, Pei; **Li, Di** and Lu, Ji-Guang; Kou, Fei-Fei; Yu, Ye-Zhao; Peng, Bo and FAST Collaboration, *FAST interstellar scintillation observation of PSR B1929+10; PSR B1842+14*, 2020, RAA, 20, 76
- **2020** Cameron, A. D.; **Li, D.\***; Hobbs, G.; Zhang, L. and Miao, C. C.; Wang, J. B.; Yuan, M.; Wang, S. and Jacobs Corban, G.; Cruces, M.; Dai, S.; Feng, Y. and Han, J.; Kaczmarek, J. F.; Niu, J. R.; Pan, Z. C. and Qian, L.; Tao, Z. Z.; Wang, P.; Wang, S. Q. and Xu, H.; Xu, R. X.; Yue, Y. L.; Zhang, S. B. and Zhi, Q. J.; Zhu, W. W.; Champion, D. J.; Kramer, M. and Zhou, S. Q.; Qiu, K. P.; Zhu, M., *An in-depth investigation of 11 pulsars discovered by FAST*, 2020, MNRAS, 495, 3515
- **2020** Zhu, Weiwei; **Li, Di\***; Luo, Rui; Miao, Chenchen and Zhang, Bing; Spitler, Laura; Lorimer, Duncan and Kramer, Michael; Champion, David; Yue, Youling and Cameron, Andrew; Cruces, Marilyn; Duan, Ran; Feng, Yi and Han, Jun; Hobbs, George; Niu, Chenhui; Niu, Jiarui and Pan, Zhichen; Qian, Lei; Shi, Dai; Tang, Ningyu and Wang, Pei; Wang, Hongfeng; Yuan, Mao; Zhang, Lei and Zhang, Xinxin; Cao, Shuyun; Feng, Li; Gan, Hengqian and Gao, Long; Gu, Xuedong; Guo, Minglei; Hao, Qiaoli and Huang, Lin; Huang, Menglin; Jiang, Peng and Jin, Chengjin; Li, Hui; Li, Qi; Li, Qisheng and Liu, Hongfei; Pan, Gaofeng; Peng, Bo; Qian, Hui and Shi, Xiangwei; Song, Jinyuo; Song, Liqiang and Sun, Caihong; Sun, Jinghai; Wang, Hong; Wang, Qiming and Wang, Yi; Xie, Xiaoyao; Yan, Jun; Yang, Li and Yang, Shimo; Yao, Rui; Yu, Dongjun; Yu, Jinglong and Zhang, Chengmin; Zhang, Haiyan; Zhang, Shuxin and Zheng, Xiaonian; Zhou, Aiying; Zhu, Boqin and Zhu, Lichun; Zhu, Ming; Zhu, Wenbai; Zhu, Yan, *A Fast Radio Burst Discovered in FAST Drift Scan Survey*, 2020, ApJ, 895L, 6
- **2020** Jiang, Peng; Tang, Ning-Yu; Hou, Li-Gang and Liu, Meng-Ting; Krčo, Marko; Qian, Lei and Sun, Jing-Hai; Ching, Tao-Chung; Liu, Bin; Duan, Yan and Yue, You-Ling; Gan, Heng-Qian; Yao, Rui; Li, Hui and Pan, Gao-Feng; Yu, Dong-Jun; Liu, Hong-Fei; **Li, Di** and Peng, Bo; Yan, Jun; FAST Collaboration, *The fundamental performance of FAST with 19-beam receiver at L band*, 2020, RAA, 20, 64
- **2020** Chandola, Yogesh; Saikia, D. J.; **Li, Di**, *HI absorption towards radio active galactic nuclei of different accretion modes*, 2020, MNRAS, 494, 5161
- **2020** Zhang, Chao; Wu, Yuefang; Liu, Xunchuan; Qin, Sheng-li; Liu, Tie; Yuan, Jinghua; **Li, Di**; Meng, Fanyi; Zhang, Tianwei; Tang, Mengyao; Yuan, Lixia; Zhou, Chenlin; Esimbek, Jarken; Zhou, Yan; Chen, Ping; Hu, Runjie, *Planck Galactic Cold Clumps in Two Regions: The First Quadrant; the Anticenter Direction Region*, 2020, ApJS, 247, 29
- **2020** Wang, Lin; Peng, Bo; Stappers, B. W.; Liu, Kuo; Keith, M. J.; Lyne, A. G.; Lu, Jiguang; Yu, Ye-Zhao; Kou, Feifei; Yan, Jun; Jiang, Peng; Jin, Chengjin; **Li, Di**; Li, Qi; Qian, Lei; Wang, Qiming; Yue, Youling; Zhang, Haiyan; Zhang, Shuxin; Zhu, Yan; FAST Collaboration, *Discovery; Timing of Pulsars in the Globular Cluster M13 with FAST*, 2020, ApJ, 892, 43
- **2020** Pan, Zhichen; Ransom, Scott M.; Lorimer, Duncan R.; Fiore, William C.; Qian, Lei; Wang, Lin; Stappers, Benjamin W.; Hobbs, George; Zhu, Weiwei; Yue, Youling; Wang, Pei; Lu, Jiguang; Liu, Kuo; Peng, Bo; Zhang, Lei; **Li, Di\***, *The FAST Discovery of an Eclipsing Binary Millisecond Pulsar in the Globular Cluster M92 (NGC 6341)*, 2020, ApJL, 892, L6
- **2020** Zhang, Zhi-Song; Werthimer, Dan; Zhang, Tong-Jie; Cobb, Jeff; Korpela, Eric; Anderson, David; Gajjar, Vishal; Lee, Ryan; Li, Shi-Yu; Pei, Xin; Zhang, Xin-Xin; Huang, Shi-Jie; Wang, Pei; Zhu, Yan; Duan, Ran; Zhang, Hai-Yan; Jin, Cheng-jin; Zhu, Li-Chun; **Li, Di**, *First SETI Observations with China's Five-hundred-meter Aperture Spherical Radio Telescope (FAST)*, 2020, ApJ, 891, 174Z
- **2020** Zhang, Jianwei; Zhang, Chengmin; Yang, Wuming; Yang, Yiyang; **Li, Di**; Bi, Shaolan; Zhang, Xianfei, *Simulation of chirp mass distribution of neutron star; black hole merger events for gravitational-wave radiation*, 2020, PhRvD, 101d, 3018Z
- **2020** Baug, T.; Wang, Ke; Liu, Tie; Tang, Mengyao; Zhang, Qizhou; **Li, Di**; Eswaraiah, Chakali; Liu,

- Sheng-Yuan; Tej, Anandmayee; Goldsmith, Paul F.; Bronfman, Leonardo; Qin, Sheng-Li; Tóth, Viktor L.; Li, Pak-Shing; Kim, Kee-Tae, *ALMA Observations Reveal No Preferred Outflow-filament; Outflow-magnetic Field Orientations in Protoclusters*, 2020, ApJ, 890, 44B
- **2020** Wang, Junzhi; **Li, Di**; Goldsmith, Paul F.; Zhang, Zhi-Yu; Gao, Yu; Shi, Yong; Li, Shanghuo; Fang, Min; Li, Juan; Zhang, Jiangshui, *Molecular Oxygen in the Nearest QSO Mrk 231*, 2020ApJ, 889, 129W
  - **2020** Tepper-García, Thor; Bland-Hawthorn, Joss; **Li, Di**, *The M31/M33 tidal interaction: a hydrodynamic simulation of the extended gas distribution* 2020, MNRAS, 493, 5636T
  - **2020** Li, Juan; Wang, Junzhi; Qiao, Haihua; Quan, Donghui; Fang, Min; Du, Fujun; Li, Fei; Shen, Zhiqiang; Li, Shanghuo; **Li, Di**; Shi, Yong; Zhang, Zhiyu; Zhang, Jiangshui, *Mapping observations of complex organic molecules around Sagittarius B2 with the ARO 12 m telescope*, 2020, MNRAS, 492, 556L
  - **2020** **Li, Di**\*; Tang, Ningyu; Nguyen, Hiep; Dawson, J. R.; Heiles, Carl; Wang, Pei; Primo Collaboration, *Simple Hydrides (OH; CH) Trace the Dark Molecular Gas*, 2020, IAUS, 345, 261L
  - **2020** Luo, Gan; **Li, Di**\*; Tang, Ningyu; Dawson, J. R.; Dickey, John M.; Bronfman, L.; Qin, Sheng-Li; Gibson, Steven J.; Plambeck, Richard; Finger, Ricardo; Green, Anne; Mardones, Diego; Koo, Bon-Chul; Lo, Nadia, *Revealing the CO X-factor in Dark Molecular Gas through Sensitive ALMA Absorption Observations*, 2020ApJ, 889L, 4L
  - **2020** Wang, Jingbo; Hobbs, George; Kerr, Matthew; Shannon, Ryan; Dai, Shi; Ravi, Vikram; Cameron,;rew; Kaczmarek, Jane F.; Hollow, Robert; **Li, Di**; Zhang, Lei; Miao, Chenchen; Yuan, Mao; Wang, Shen; Zhang, Songbo; Xu, Heng; Xu, Renxin, *Probing the Emission States of PSR J1107–5907*, 2020ApJ, 889, 6W
  - **2020** Jiao, Kang; Zhang, Jian-Chen; Zhang, Tong-Jie; Yu, Hao-Ran; Zhu, Ming; **Li, Di**, *Toward a direct measurement of the cosmic acceleration: roadmap; forecast on FAST*, 2020, JCAP, 01, 054J
  - **2019** Liu, Peng; Zhang, Cheng-Min; **Li, Di**; Yang, Yi-Yan; Zhang, Jie; Zhang, Jian-Wei, *The Simulation of Orbit Decay of Double Neutron Star System PSR J1906+0746 by the Gravitational Wave Radiation*, 2019, ARep, 63, 1090L
  - **2019** Guo, Ping; Duan, Fuqing; Wang, Pei; Yao, Yao; Yin, Qian; Xin, Xin; **Li, Di**; Qian, Lei; Wang, Shen; Pan, Zhichen; Zhang, Lei, *Pulsar candidate classification using generative adversary networks*, 2019, MNRAS, 490, 5424G
  - **2019** Feng, Yi; **Li, Di**; Li, Yan-Rong; Wang, Jian-Min, *Constraints on individual supermassive binary black holes using observations of PSR J1909-3744*, 2019, RAA, 19, 178F
  - **2019** Liu, Boyang; **Li, Di**\*; Staveley-Smith, Lister; Qian, Lei; Wong, Tony; Goldsmith, Paul, *Tracing the Formation of Molecular Clouds in a Low-metallicity Galaxy: An H I Narrow Self-absorption Survey of the Large Magellanic Cloud*, 2019, ApJ, 887, 242L
  - **2019** Liu, Mengting; **Li, Di**; Krčo, Marko; Ho, Luis C.; Xu, Duo; Li, Huixian, *Numerical Simulation; Completeness Survey of Bubbles in the Taurus; Perseus Molecular Clouds*, 2019ApJ, 885, 124L
  - **2019** Zhang, Lei; Hobbs, George; Manchester, Richard N.; **Li, Di**\*; Wang, Pei; Dai, Shi; Wang, Jingbo; Kaczmarek, Jane F.; Cameron,;rew D.; Toomey, Lawrence; Zhu, Weiwei; Zhi, Qijun; Miao, Chenchen; Yuan, Mao; Zhang, Songbo; Tao, Zhenzhao, *Wide Bandwidth Observations of Pulsars C, D,; J in 47 Tucanae*, 2019, ApJL, 885L, 37Z
  - **2019** Joseph, T. D.; Filipović, , M. D.; Crawford, E. J.; Bojičić, , I.; Alexander, E. L.; Wong, G. F.; Andernach, H.; Leverenz, H.; Norris, R. P.; Alsaberi, R. Z. E.; Anderson, C.; Barnes, L. A.; Bozzetto, L. M.; Bufano, F.; Bunton, J. D.; Cavallaro, F.; Collier, J. D.; Dénes, H.; Fukui, Y.; Galvin, T.; Haberl, F.; Ingallinera, A.; Kapinska, A. D.; Koribalski, B. S.; Kothes, R.; **Li, D.**; Maggi, P.; Maitra, C.; Manojlović, , P.; Marvil, J.; Maxted, N. I.; O'Brien, A. N.; Oliveira, J. M.; Pennock, C. M.; Riggi, S.; Rowell, G.;

Rudnick, L.; Sano, H.; Sasaki, M.; Seymour, N.; Soria, R.; Stupar, M.; Tothill, N. F. H.; Trigilio, C.; Tsuge, K.; Umana, G.; Urošević, D.; van Loon, J. Th.; Vardoulaki, E.; Velović, V.; Yew, M.; Leahy, D.; Chu, Y. -H.; Michałowski, M. J.; Kavanagh, P. J.; Grieve, K. R., *The ASKAP EMU Early Science Project: radio continuum survey of the Small Magellanic Cloud*, 2019, MNRAS, 490, 1202J

• **2019** Agarwal, Devansh; Lorimer, Duncan R.; Fialkov, Anastasia; Bannister, Keith W.; Shannon, Ryan M.; Farah, Wael; Bhandari, Shivani; Macquart, Jean-Pierre; Flynn, Chris; Pignata, Giuliano; Tejos, Nicolas; Gregg, Benjamin; Osłowski, Stefan; Rajwade, Kaustubh; Mickaliger, Mitchell B.; Stappers, Benjamin W.; **Li, Di**; Zhu, Weiwei; Qian, Lei; Yue, Youling; Wang, Pei; Loeb, Abraham, *A fast radio burst in the direction of the Virgo Cluster*, 2019, MNRAS, 490, 1A

• **2019** Luo, Gan; Feng, Siyi; **Li, Di\***; Qin, Sheng-Li; Peng, Yaping; Tang, Ningyu; Ren, Zhiyuan; Shi, Hui, *Sulfur-bearing Molecules in Orion KL*, 2019, ApJ, 885, 82L

• **2019** Zhang, Jianwei; Yang, Yiyan; Zhang, Chengmin; Yang, Wuming; **Li, Di\***; Bi, Shaolan; Zhang, Xianfei, *The mass distribution of Galactic double neutron stars: constraints on the gravitational-wave sources like GW170817*, 2019, MNRAS, 488, 5020Z

• **2019** Zhang, Chengpeng; Peng, Yingjie; Ho, Luis C.; Maiolino, Roberto; Dekel, Avishai; Guo, Qi; Mannucci, Filippo; **Li, Di**; Yuan, Feng; Renzini, Alvio; Dou, Jing; Guo, Kexin; Man, Zhongyi; Li, Qiong, *Nearly all Massive Quiescent Disk Galaxies Have a Surprisingly Large Atomic Gas Reservoir*, 2019, ApJL, 884L, 52Z

• **2019** Jameson, Katherine E.; McClure-Griffiths, N. M.; Liu, Boyang; Dickey, John M.; Staveley-Smith, Lister; Stanimirović, Snežana; Dempsey, James; Dawson, J. R.; Dénes, Helga; Bolatto, Alberto D.; **Li, Di**; Wong, Tony, *An ATCA Survey of H I Absorption in the Magellanic Clouds. I. H I Gas Temperature Measurements in the Small Magellanic Cloud*, 2019, ApJS, 244, 7J

• **2019** Wu, Yuefang; Liu, Xunchuan; Chen, Xi; Lin, Lianghao; Yuan, Jinghua; Zhang, Chao; Liu, Tie; Shen, Zhiqiang; Li, Juan; Wang, Junzhi; Qin, Sheng-Li; Kim, Kee-Tae; Liu, Hongli; Zhu, Lei; Madones, Diego; Inostroza, Natalia; Henkel, Christian; Zhang, Tianwei; **Li, Di**; Esimbek, Jarken; Liu, Qinghui, *Carbon-chain molecules in molecular outflows; Lupus I region - new producing region; new forming mechanism*, 2019, MNRAS, 488, 495W

• **2019** Yang, Y. Y.; Zhang, C. M.; **Li, D.**; Chen, L.; Linghu, R. F.; Zhi, Q. J.; Pan, Y. Y.; Menezes, D.; Chardonnet, P., *Gravitational wave GW170817: A new-born sub-millisecond pulsar; the properties of coalescing double neutron stars*, 2019, NewA, 70, 51Y

• **2019** Xie, Yan-Wei; Wang, Jing-Bo; Hobbs, George; Kaczmarek, Jane; **Li, Di**; Zhang, Jie; Dai, Shi; Cameron,rew; Zhang, Lei; Miao, Chen-Chen; Yuan, Mao; Wang, Shen; Zhang, Song-Bo; Xu, Heng; Xu, Ren-Xin, *Flux density measurements for 32 pulsars in the 20 cm observing band*, 2019, RAA, 19, 103X

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