



Aiyuan Yang | CV

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ORCID: <https://orcid.org/0000-0003-4546-2623>
Gender: Female
Date of Birth: 16. 03. 1988
Place of Birth: Hunan, People's Republic of China

From	To	Position	Institute, City	Country	Degrees / Remarks
08.2018	Now	Postdoc	Max Planck Institute for Radio Astronomy	Germany	Work with GLOSTAR survey team Work with SEGIDISM survey team
09.2014	07.2018	Doctoral student SKA Joint PhD student	National Astronomical Observatories, CAS, Beijing University of Hertfordshire, Hatfield	China, UK	Ph.D. in Astrophysics
09.2011	07.2014	Master student	Xinjiang Astronomical Observatories, CAS, XinJiang National Astronomical Observatories, CAS, Beijing	China	M.S. in Astrophysics
09.2007	07.2011	Student	Xinjiang University	China	B.S. in Physics

Academic record

Language skills
English: fluent in writing and reading, conversational in listening and speaking
Deutsch: beginner at writing, reading, listening and speaking
Chinese: first language

Research interests
Multi-wavelength continuum (from infrared to submm) and line observations on ISM (HII region, PNe, clumps), radio continuum and Radio recombination lines of HII regions, outflows in clumps, masers in PNe. Massive star formation.

I'm proficient in observation, data processing and analysis of interferometer (e.g., VLA, ALMA) and single dish (APEX, Effelsberg, and IRAM), using software of CASA, Obit, and GILDAS, and compute language of python, C, and R.

Publications: ADS: <https://ui.adsabs.harvard.edu/user/libraries/OhKMuuDQPKHjnz5S3pzQQ>

Approved observation
project proposals

(PI=Principle Investigator, Col=Collaborated Investigator)

VLA project ID: VLA17A-070, PI: **Aiyuan Yang**, Col: Thompson M. A., W. W. Tian, Aug. 2016, C-configuration. 3hours

VLA project ID: VLA18A-066, PI: **Aiyuan Yang**, Col: Thompson M. A., W. W. Tian, Aug. 2017, C-configuration. 13.5hours

VLA project ID: VLA18B-065, PI: **Aiyuan Yang**, Col: Thompson M. A., W. W. Tian, Feb. 2018, A-configuration. 9 hours,

VLA project ID: VLA/19B-040, PI: **Aiyuan Yang**, Col: Thompson M. A., W. W. Tian, Feb. 2018, A-configuration. 13 hours, title: *A detailed study of PNe associated with OH and H₂O masers*

VLA project ID: VLA/19B-041, PI: **Aiyuan Yang**, Col: Thompson M. A., W. W. Tian, Feb. 2018, C-configuration. observed 4.5 hours, title: *A search for OH and H₂O maser emissions towards obscured young planetary nebulae*

APEX project ID: 9516A-2019, VLA18B-065, PI: **Aiyuan Yang**, Col: Friderich Wyrowski, Karl Menten et al., 2019, observed ~100 hours, title: *A sub-mm Recombination line survey of young HII regions*

IRAM project ID: 043-19, PI: **Aiyuan Yang**, Col: Friderich Wyrowski, Karl Menten et al., 2019, 33 hours, title: *A mm Recombination line survey of young HII regions*

Effelsberg project ID: 77-19, PI: **Aiyuan Yang**, Col: Friderich Wyrowski, Karl Menten, et al., 2019, observed ~100 hours, title: *A cm Recombination line survey of young HII regions*

VLA project ID: VLA/21B-131, PI: **Aiyuan Yang**, Col: Friderich Wyrowski, Karl Menten et al., 2021, B-configuration. approved 2 hours, title: *Searching for hyper compact HII regions in the Galactic plane.*

Effelsberg project ID: 19-21, PI: **Aiyuan Yang**, 2021, observed 40 hours, title: *A search for water maser in young planetary nebulae.*

IRAM project ID: P408990, PI: **Aiyuan Yang**, Col: Friderich Wyrowski, Karl Menten et al., 2019, submitted 35.6 hours, title: *A search for SiO toward outflow clumps*

Effelsberg project ID: 101-21, PI: **Aiyuan Yang**, 2021, submitted 62 hours, title: *A search for water maser in massive outflow clumps*

VLA project ID: VLA/22A-294, PI: **Aiyuan Yang**, Col: Friderich Wyrowski, Karl Menten et al., Feb. 2021, D-configuration. submitted 4.4 hours, title: *A continuum study toward very young HII regions*

VLA project ID: VLA/22A-297, PI: **Aiyuan Yang**, Col: James Urquhart, Aug. 2021, D-configuration. submitted 12 hours, title: *A radio recombination line survey toward very young HII regions*

Effelsberg project ID: 17-21, PI: Wenjin Yang, 2021, Col: **Aiyuan Yang**, Karl Menten et al., approved 37.6 hours, title: *A search for water maser in young planetary nebulae.*

VLA project ID: VLA/22A-172, PI: Rohit Dokara, Col: **Aiyuan Yang** Karl Menten et al., Aug. 2021, D-configuration, Aug. 2021, submitted 8.7 hours, title: *Searching for hyper compact HII regions in the Galactic plane*

VLA project ID: VLBA/22A-390, PI: Andreas Brunthaler, Col: **Aiyuan Yang**, Karl Menten et al., Aug. 2021, submitted 2 hours, title: *Searching for hyper compact HII regions in the Galactic plane*
