

Mengyuan XIAO

(She/her/hers)

Postdoctoral Researcher

Department of Astronomy,
University of Geneva
Chemin Pegasi 51, 1290 Versoix, Switzerland
☎ +41 22 379 22 34
✉ mengyuan.xiao@unige.ch

Research Interests

- The first generation of massive galaxies in the early Universe.
- The dusty star-forming galaxies in the early Universe.
- Star-formation, interstellar medium properties, and kinematics in high-redshift galaxies.

Education

- 2023- **Postdoctoral fellow**, *Geneva observatory*, University of Geneva, Advisor: Prof. Pascal Oesch
- 2018- **PhD Degree in Astrophysics**, *School of Astronomy & Space Science*, Nanjing University
2022 Advisors: Dr. David Elbaz and Prof. Qiu-Sheng Gu
- 2019-2022, *Joint PhD student*, CEA Saclay, France, Advisor: Dr. David Elbaz
- Feb-May 2019, *Visiting student*, NAOJ, Japan, Host: Assoc. Prof. Daisuke Iono
- 2014- **Master Degree in Astrophysics**, *School of Astronomy & Space Science*, Nanjing
2018 University, Advisor: Prof. Qiu-Sheng Gu
- Aug-Oct 2017, *Visiting student*, NAOJ, Japan, Host: Assoc. Prof. Daisuke Iono
- 2009- **Bachelor of Science**, *Science of Chinese Materia Medica*, School of Pharmacy, Nanjing
2013 University of Traditional Chinese Medicine

Honors and Awards

- 2024 Excellent Doctoral Thesis of Nanjing University
- 2023 MERAC Awards by Swiss Society for Astrophysics and Astronomy (SSAA).
- 2022 Nanjing University Cao Erjie Scholarship.
- 2021 Nanjing University Excellent Postgraduate.
- 2019 2019-2021 China Scholarship Council (CSC) Scholarship.
- 2019 Provincial Excellent Master's Thesis.
- 2018 Nanjing University Yingcai Scholarship for Graduate Student.
- 2017 Excellent Postgraduate in the Jiangsu Province.
- 2016 Nanjing University Excellent Postgraduate.
- 2016 National Scholarship (the most prestigious scholarship in China).
- 2015 Nanjing University Excellent Postgraduate Cadre.
- 2015 President of Postgraduate Student Union in School of Astronomy & Space Science.

- 2013 Nanjing University of Traditional Chinese Medicine People's Scholarship.
2012 Nanjing University of Traditional Chinese Medicine People's Scholarship.

Teaching Experience and Student Supervision

- 2024 Teaching for *Galaxies and cosmology - an introduction* at the University of Geneva.
2024- present Supervision of semester thesis projects for Master student at the University of Geneva:
- A. Okeanova: "Unveiling the fast formation of ultra massive galaxies (monsters) in the first Billion years"
 - A. Sawarkar: "Spotlight on the most extreme and spectacular galaxy populations in the early Universe with JWST"
- 2023- present Supervision of Master Thesis for A. Ganguly: "Galaxy Morphology with the James Webb Space Telescope at Redshifts beyond 3"
- 2017 Teaching assistant for *Extragalactic Astrophysics* at Nanjing University (professor: Dr. Qiusheng Gu).
- 2016 Teaching assistant for *Extragalactic Astrophysics* at Nanjing University (professor: Dr. Qiusheng Gu).

Community Activities and Outreach

- 2023- present Referee for Astronomy and Astrophysics
- 2024 Co-Organizer of colloquium, journal club talk, and academic visit at Geneva Observatory: Dr. Emanuele Daddi (CEA-Saclay, France), Dr. Boris Kalita (KIAA/IPMU, Japan), PhD candidate Yi Xu (Tokyo U., Japan), Master candidate Yuta Ishikawa (Waseda U., Japan)
- 2024 Co-Organizer of European Astronomical Society Annual Meeting; SS9: "Dust enrichment of early galaxies ($z > 5$) in the era of JWST and ALMA"
- 2023 Outreach, Introducing the JWST during the open days of the 250th Anniversary of the Geneva Observatory
- 2016 LOC, the Star Formation and SMBH accretion across the Universe, Nanjing, China
- 2015 LOC, the 2nd China MaNGA workshop, Nanjing, China

Computer Skills

- Skilled in Python and IDL.
- Experienced in data reduction for interferometric imaging and spectra.
- Experienced in the tool of image photometric reduction, decomposition, and SED fitting.
- Experienced in the tool of gas kinematics, galaxy blind detection, stellar population synthesis, and general spectral analysis.

Languages

- Chinese: *Native*
- English: *Advanced*
- French: *A1*

Conference & Seminar Contributions

- Invited Talk, Workshop 'Big Galaxies, Big Problems', Leiden, Netherlands, April, 2025
- Talk, Conference 'The 40th IAP Symposium: Unveiling the physics of early galaxy and black hole formation with JWST', Paris, France, Dec, 2024
- Talk, Conference 'Beyond the Edge of the Universe', Sintra, Portugal, Oct, 2024
- Talk, Conference 'Observing and Simulating Galaxy Evolution in the Era of JWST', Ascona, Switzerland, Aug, 2024
- Talk, EAS Symposium 'New light on Galaxies from Cosmic Dawn to Noon', Padova, Italy, July, 2024
- Talk, EAS Special Session 'Removing the Disguise: SMGs in the era of JWST', Padova, Italy, July, 2024
- Invited Talk, Conference 'Cosmic Odysseys 2024: The Interstellar Medium of Galaxies and AGN since Cosmic Dawn', Crete, Greece, July, 2024
- Talk, Conference 'Extreme galaxies in their extreme environments at extremely early epochs', Reykjavík, Iceland, April, 2024
- Invited Talk, Conference 'The Growth of Galaxies in the Early Universe –IX', Sesto, Italy, Jan, 2024
- Seminar Talk, Title 'A new era of studying extremely dust-obscured massive galaxies in the early Universe with JWST and ALMA', NAOJ, Japan, Nov, 2023
- Talk, Conference 'Resolving the Extragalactic Universe with ALMA & JWST', Tokyo, Japan, Nov, 2023
- CakeTalk, Title 'FRESCO: A new era of studying extremely dust-obscured massive galaxies in the early Universe with JWST spectroscopy', DAWN, Denmark, Aug, 2023
- Talk, Title 'Towards a Complete Picture of Galaxy Build-up at the First 3 Billion Years', Yunnan University, China, Jun, 2022
- Talk, Workshop 'Sino-French workshop on confronting simulations with observations of high-redshift galaxies and (proto)clusters', Online, Nov, 2021
- Talk, Workshop 'High-z dusty galaxies', Marseille, France, Oct, 2021
- Two Posters (Lightning Talks), European Astronomical Society Annual Meeting (EAS Leiden 2021), Online, Jun, 2021
- Talk, Conference 'Galaxy Cluster Formation II (GCF 2021)', Online, Jun, 2021
- Poster (Lightning Talk), Workshop on Protoclusters: Galaxies in Confinement, Online, Nov, 2020
- Invited Talk, Conference 'THE GROWTH OF GALAXIES IN THE EARLY UNIVERSE – VI', Sesto, Italy, Jan, 2020
- Seminar Talk, Title 'Starbursts with regular rotating disks in $z=2.51$ Cluster', NAOJ, Japan, May, 2019

- Lightning Talk, Galaxy Evolution Workshop ‘The Co-Evolution of Galaxies and Their Central Regions’, Dali, China, Oct, 2018
- Talk, 2018 Annual Meeting of Chinese Astronomical Society, Kunming, China, Oct, 2018
- Talk, 2017 Annual Meeting of Chinese Astronomical Society, Urumqi, China, Aug, 2017
- Poster, Asia-Pacific Regional IAU Meeting, Taipei, China/Taiwan, Jul, 2017
- Talk, The 19th CAS Guoshoujing Symposium on Galaxies and Cosmology, Beijing, China, Jul, 2016
- Lightning talk, CLOUDY workshop, Shandong, China, Jun, 2016

Approved Proposals

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| 2024 | IRAM NOEMA Interferometer (ID: W24EP, Time awarded: 18.0 hrs) | PI |
| | Studying the efficient formation of three monsters in $z_{spec} \sim 6.7$ overdensity (PI: David Elbaz & Mengyuan Xiao) | |
| 2024 | ALMA (ID: 2024.1.01744.S, Time awarded: 38.5 hrs) | PI |
| | ALMA+JWST: studying the efficient formation of massive galaxies at $z_{spec} = 3 - 5$ (PI: Mengyuan Xiao) | |
| 2023 | JWST (ID: Cycle3 GO-5572, Time awarded: 16.8 hrs) | PI |
| | Red Monsters: Kinematics of Two ‘Universe Breaking’, Ultra- Massive Galaxies in the First Gyr (PI: Mengyuan Xiao) | |
| 2023 | ALMA (ID: 2023.1.00837.S, Grade A, Time awarded: 1.0 hrs) | PI |
| | Hidden in plain sight: dynamical mass estimates for a newly-discovered red monster at $z_{spec} \sim 5.6$ in the GOODS-S field (PI: Mengyuan Xiao) | |
| 2023 | IRAM NOEMA Interferometer (ID: S23CY, Grade A, Time awarded: 12.0 hrs) | PI |
| | Revealing the interstellar medium of two extremely massive galaxies at $z_{spec} > 7$ (PI: David Elbaz & Mengyuan Xiao) | |
| 2019 | IRAM 30m (ID: 204-19, Time awarded: 19.45 hrs) | PI |
| | Probing Molecular Gas in Extremely Compact Starbursts as Major Merger Remnants (PI: Mengyuan Xiao) | |
| 2024 | IRAM NOEMA Interferometer (ID: W24EA, Time awarded: 24.0 hrs) | Co-I |
| | Residual Cold Gas in A Descendant of High-z Ultra-Massive Galaxies (PI: Longji Bing) | |
| 2024 | ALMA (ID: 2024.1.00638.S, Time awarded: 24.4 hrs) | Co-I |
| | Toward the Representative [CII] 158um Lines in the Reionization Era (PI: Yoshi Fudamoto) | |
| 2024 | ALMA (ID: 2024.1.00106.S, Time awarded: 35.3 hrs) | Co-I |
| | A survey of cold molecular gas in $z \sim 6.5$ quasars and their companion galaxies (PI: Romain Meyer) | |
| 2023 | JWST (ID: Cycle 3 GO-4762, Time awarded: 15.3 hrs) | Co-I |
| | Panchromatic characterizations of the super-Eddington accretion black hole, host, and environment: Epicenter of red dots, mergers, and dusty starbursts at $z=7.2$ (PI: Seiji Fujimoto) | |

2023	JWST (ID: Cycle 3 GO-5664, Time awarded: 44.8 hrs)	Co-I
	Dissecting Little Red Dots: the connection between early SMBH growth and cosmic reionization (PI: Jorryt Matthee)	
2023	IRAM NOEMA Interferometer (ID: W23CX, GradeA, Time awarded: 13.5 hrs)	Co-I
	Exploring an ultra-massive and extremely efficient star forming galaxy at high redshift (PI: Guilaine Lagache)	
2023	IRAM NOEMA Interferometer (ID: W23CJ, GradeA, Time awarded: 24.4 hrs)	Co-I
	COSMOS DSFGs Unveiled: A Comprehensive Identification (PI: Alexandre Beelen)	
2023	VLA (ID: 23B-125, GradeA, Time awarded: 29.3 hrs)	Co-I
	A systematic CO(1-0) survey of $z=2.5-4$ protocluster cores (PI: Luwenjia Zhou)	
2022	VLA (ID: 22B-243, GradeB, Time awarded: 13.15 hrs)	Co-I
	The true extent of the cold gas content in a red sequence progenitor (PI: Carlos Gómez-Guijarro)	
2022	VLT KMOS (ID: 110.23UN, Time awarded: 12 hrs)	Co-I
	Instantaneous star formation rate to uncover the role of compact star formation in galaxy evolution (PI: Carlos Gómez-Guijarro)	
2022	VLT KMOS (ID: 110.240K, Time awarded: 21.25 hrs)	Co-I
	Uncovering the role of optically dark galaxies in an overdensity at $z = 3.5$ (PI: Maximilien Franco)	
2022	IRAM NOEMA Interferometer (ID: S22CN, Time awarded: 20.0 hrs)	Co-I
	Optically dark galaxies in the EGS field (PI: Maximilien Franco)	
2022	IRAM NOEMA Interferometer (ID: S22DG, Time awarded: 24.0 hrs)	Co-I
	Unveiling the most massive galaxies at $z \sim 6$ with NOEMA (PI: David Elbaz)	
2021	IRAM NOEMA Interferometer (ID: M21AA, Time awarded: 159.0 hrs)	Co-I
	NOEMA forming-Clusters Evolution survey (NICE): unveiling the physics of galaxies and structure assembly at $2 < z < 3.5$ (PI: Emanuele Daddi, Tao Wang)	
2021	IRAM NOEMA Interferometer (ID: W21CV, Time awarded: 39.5 hrs)	Co-I
	A Complete Census on the Counterparts of DSFGs in GOODS-N (PI: Longji Bing)	
2021	ALMA (ID: 2021.1.01650.S, Time awarded: 24.5 hrs)	Co-I
	Towards a systematic redshift determination of HST-dark galaxies (PI: Kotaro Kohno)	
2021	ALMA (ID: 2021.1.00815.S, Time awarded: 39.8 hrs)	Co-I
	Testing structure formation, quenching and gas accretion models with a sample of 36 groups/clusters at $2 < z < 3.5$ (PI: Emanuele Daddi)	
2021	JVLA (ID: VLA/21A-276, Time awarded: 25.20 hrs)	Co-I
	A deep CO(1-0) survey towards the most distant known galaxy cluster at $z=2.51$ (PI: Tao Wang)	
2019	JVLA (ID: VLA/20A-334, Time awarded: 36.20 hrs)	Co-I
	A deep CO(1-0) survey towards the most distant known galaxy cluster at $z=2.51$ (PI: Tao Wang)	
2019	IRAM NOEMA Interferometer (ID: W19BJ, Time awarded: 6 hrs)	Co-I
	CO observation of a star-forming S0 galaxy PGC 34107 (PI: Xue Ge)	

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| 2019 | IRAM 30m (ID: 199-19, Time awarded: 15.2 hrs) | Co-I |
| | Molecular gas in low-mass star-forming S0 galaxies (PI: Xue Ge) | |
| 2018 | JVLA (ID: VLA/19A-443, Time awarded: 49 hrs) | Co-I |
| | A deep and sharp view of CO(1-0) towards the most distant galaxy cluster at $z = 2.51$ with JVLA (PI: Tao Wang) | |
| 2018 | IRAM NOEMA Interferometer (ID: P329857, Time awarded: 2.5 hrs) | Co-I |
| | The properties of star formation and post-starburst in a S0 galaxy (PI: Xue Ge) | |

On-site Observing Experience

- 2020 IRAM 30m telescope, on-site observing, 7 nights, Pico Veleta, Spain
- 2017 CAHA 3.5m telescope, on-site observing, 3 nights, Calar Alto, Spain
- 2014 2.16m telescope, on-site observing, 1 night, Xinglong, China

— List of Publications and Present Work

8 primary author papers (5 first-author papers and 3 additional primary author publications), 238 citations (current as of 30-Oct-2024), h-index 7, [ADS library](#)
37 total papers, 969 citations (current as of 30-Oct-2024), h-index 17, [ADS library](#)

Primary Author Papers

- 2024 *Accelerated Formation of Ultra-Massive Galaxies in the First Billion Years*
Xiao, M.-Y., Oesch, P.A., Elbaz, D., L., Bing, and the JWST FRESCO team, [Nature in press](#)
- 2024 *Discovery of a new N-emitter in the epoch of reionization*
Schaerer, D., Marques-Chaves, R., **Xiao, M.-Y.**, et al. 2024, [A&A, 687, L11](#)
- 2023 *The hidden side of cosmic star formation at $z > 3$: Bridging optically-dark and Lyman break galaxies with GOODS-ALMA*
Xiao, M.-Y., Elbaz, D., Gómez-Guijarro, C., Leroy, and the GOODS-ALMA team, [A&A, 672, A18](#)
- 2022 *Starbursts with suppressed velocity dispersion revealed in a forming cluster at $z = 2.51$*
Xiao, M.-Y., Wang, T., Elbaz, D., Iono, D., et al. 2022, [A&A, 664, A63](#)
- 2022 *GOODS-ALMA 2.0: Starbursts in the main sequence reveal compact star formation regulating galaxy evolution prequenching*
Gómez-Guijarro, C., Elbaz, D., **Xiao, M.-Y.**, et al. 2022, [A&A, 659, A196](#)
- 2022 *GOODS-ALMA 2.0: Source catalog, number counts, and prevailing compact sizes in 1.1 mm galaxies*
Gómez-Guijarro, C., Elbaz, D., **Xiao, M.-Y.**, et al. 2022, [A&A, 658, A43](#)
- 2018 *The Physical Characteristics of Interstellar Medium in NGC3665 with Herschel Observation*
Xiao, M.-Y., Zhao, Y.-H., Gu, Q.-S., & Shi, Y. 2018, [ApJ, 854, 111](#)
- 2016 *The Nuclear Activities of Nearby S0 Galaxies*
Xiao, M.-Y., Gu, Q.-S., Chen, Y.-M., & Zhou, L. 2016, [ApJ, 831, 63](#)

Contributing Author Papers

- 2024 *Unveiling dust, molecular gas, and high star formation efficiency in extremely UV-bright star-forming galaxies at $z \sim 2.1 - 3.6$*
Dessauges-Zavadsky, M., Marques-Chaves, R., Schaerer, D., **Xiao, M.-Y.**, et al. 2024, [arXiv:2410.11121](#)
- 2024 *The PANORAMIC Survey: Pure Parallel Wide Area Legacy Imaging with JWST/NIRCam*
Williams, C. C., Oesch, P. A., Weibel, A., ..., **Xiao, M.-Y.** 2024, [arXiv:2410.01875](#)
- 2024 *JWST FRESCO: a comprehensive census of $H\beta + [OIII]$ emitters at $6.8 < z < 9.0$ in the GOODS fields*
Meyer, R. A., Oesch, P. A., Giovinazzo, E., ..., **Xiao, M.-Y.**, et al. 2024, [arXiv:2405.05111](#)

- 2024 *A new census of dust and polycyclic aromatic hydrocarbons at $z = 0.7\text{--}2$ with JWST MIRI*
Shivaei, I., Alberts, S., Florian, M.,..., **Xiao, M.-Y.**, et al. 2024, [arXiv:2402.07989](#)
- 2024 *A first look at spatially resolved star formation at $4.8 < z < 6.5$ with JWST FRESCO NIRCам slitless spectroscopy*
Matharu, J., Nelson, E. J., Brammer, G.,..., **Xiao, M.-Y.** 2024, [A&A](#), 690, A64
- 2024 *NOEMA formIng Cluster survEy (NICE): Characterizing eight massive galaxy groups at $1.5 \leq z \leq 4$ in the COSMOS field*
Sillassen, N. B., Jin, S., Magdis, G. E., **Xiao, M.-Y.**, et al. 2024, [A&A](#), 690, A55
- 2024 *An $H\alpha$ view of galaxy build-up in the first 2 Gyr: luminosity functions at $z \sim 4\text{--}6.5$ from NIRCам/grism spectroscopy*
Covelo-Paz, A., Giovinazzo, E., Oesch, P. A., **Xiao, M.-Y.** 2024, [arXiv:2409.17241](#)
- 2024 *Galaxy build-up in the first 1.5 Gyr of cosmic history: insights from the stellar mass function at $z=4\text{--}9$ from JWST NIRCам observations*
Weibel, A., Oesch, P. A., Barrufet, L.,..., **Xiao, M.-Y.** 2024, [MNRAS](#), 533, 1808
- 2024 *FRESCO: The Paschen- α Star-forming Sequence at Cosmic Noon*
Neufeld, C., van Dokkum, P., Asali, Y., ... **Xiao, M.-Y.** 2024, [ApJ](#), 972, 156
- 2024 *Measuring the gas reservoirs in $10^8 \leq M_\star \leq 10^{11} M_\odot$ galaxies at $1 \leq z \leq 3$*
Mérida, R. M., Gómez-Guijarro, C., Pérez-González, P. G.,..., **Xiao, M.-Y.** 2024, [A&A](#), 686, A64
- 2024 *Unveiling the hidden Universe with JWST: the contribution of dust-obscured galaxies to the stellar mass function at $z = 3\text{--}8$*
Gottumukkala, R., Barrufet, L., Oesch, P. A.,..., **Xiao, M.-Y.** 2024, [MNRAS](#), 530, 966
- 2024 *Noema formIng Cluster survEy (NICE): Discovery of a starbursting galaxy group with a radio-luminous core at $z = 3.95$*
Zhou, L., Wang, T., Daddi, E.,..., **Xiao, M.-Y.**, et al. 2024, [A&A](#), 684, A196
- 2024 *Little Red Dots: An Abundant Population of Faint Active Galactic Nuclei at $z \sim 5$ Revealed by the EIGER and FRESCO JWST Surveys*
Matthee, J., Naidu, R. P., Brammer, G.,..., **Xiao, M.-Y.**, et al. 2024, [ApJ](#), 963, 129
- 2024 *Faint mm NIKA2 dusty star-forming galaxies: Finding the high-redshift population*
Bing, L.-J., Beelen, A., Lagache, G.,..., **Xiao, M.-Y.**, et al. 2024, [A&A](#), 683, A232
- 2023 *FRESCO: An extended, massive, rapidly rotating galaxy at $z=5.3$*
Nelson, E. J., Brammer, G., Gimenez-Arteaga, C.,..., **Xiao, M.-Y.**, et al. 2023, [arXiv:2310.06887](#)
- 2023 *The JWST FRESCO survey: legacy NIRCам/grism spectroscopy and imaging in the two GOODS fields*
Oesch, P. A., Brammer, G., Naidu, R. P.,..., **Xiao, M.-Y.** 2023, [MNRAS](#), 525, 2864

- 2023 *The IR Compactness of Dusty Galaxies Sets Star Formation and Dust Properties at $z \sim 0 - 2$*
McKinney, J., Pope, A., Kirkpatrick, A.,..., **Xiao, M.-Y.** 2023, [ApJ, 955, 136](#)
- 2023 *Mapping dusty galaxy growth at $z > 5$ with FRESCO: Detection of $H\alpha$ in submm galaxy HDF850.1 and the surrounding overdense structures*
Herard-Demanche, T., Bouwens, R. J., Oesch, P. A.,..., **Xiao, M.-Y.**, et al. 2023, [arXiv.2309.04525](#)
- 2023 *JWST CEERS probes the role of stellar mass and morphology in obscuring galaxies*
Gómez-Guijarro, C., Magnelli, B., Elbaz, D.,..., **Xiao, M.-Y.**, et al. 2023, [A&A, 677, A34](#)
- 2023 *Accelerated Structural Evolution of Galaxies in a Starbursting Cluster at $z = 2.51$*
Xu, C., Wang, T., Gu, Q.,..., **Xiao, M.-Y.**, et al. 2023, [ApJL, 951, L21](#)
- 2023 *The gas mass reservoir of quiescent galaxies at cosmic noon*
Blázquez-Sesé, D., Gómez-Guijarro, C., Magdis, G. E.,..., **Xiao, M.-Y.**, et al. 2023, [A&A, 674, A166](#)
- 2023 *GOODS-ALMA 2.0: Last gigayear star formation histories of the so-called starbursts within the main sequence*
Ciesla, L., Gómez-Guijarro, C., Buat, V.,..., **Xiao, M.-Y.** 2023, [A&A, 672, A191](#)
- 2022 *Star-forming S0 galaxies in the SDSS-IV MaNGA survey*
Xu, K., Gu, Q., Lu, S., Ge, X., **Xiao, M.-Y.**, & Contini, E. 2022, [MNRAS, 509, 1237](#)
- 2021 *PGC 38025: A Star-forming Lenticular Galaxy With an Off-nuclear Star-forming Core*
Chen, Z.-Y., Gu, Q.-S., García-Benito, R., Zhang, Z.-Y., Ge, X., **Xiao, M.-Y.**, & Yu, X.-L 2021, [APJ, 915, 1](#)
- 2021 *Investigating the Nature of MGRO J1908+06 with Multiwavelength Observations*
Li, J., Liu, R.-Y., Ona Wilhelmi, E.,..., **Xiao, M.-Y.** 2021, [APJL, 913, L33](#)
- 2020 *GOODS-ALMA: The slow downfall of star formation in $z = 2-3$ massive galaxies*
Franco, M., Elbaz, D., Zhou, L., Magnelli, B., Schreiber, C., ... **Xiao, M.-Y.** 2020, [A&A, 643, A30](#)
- 2020 *GOODS-ALMA: Using IRAC and VLA to probe fainter millimeter galaxies*
Franco, M., Elbaz, D., Zhou, L., Magnelli, B., Schreiber, C., ... **Xiao, M.-Y.** 2020, [A&A, 643, A53](#)
- 2020 *The Physical Properties of S0 Galaxy PGC 26218: The Origin of Starburst and Star Formation*
Ge, X., Gu, Q.-S., García-Benito, R., **Xiao, M.-Y.**, & Li, Z.-N. 2020, [ApJ, 889, 132](#)
- 2018 *Revealing the Environmental Dependence of Molecular Gas Content in a Distant X-Ray Cluster at $z = 2.51$*
Wang, T., Elbaz, D., Daddi, E., Liu, D.-Z., ..., **Xiao, M.-Y.**, et al. 2018, [ApJL, 867, L29](#)