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EDUCATION	Ph.D. in Astronomy, University of British Columbia (UBC), Canada	2019 – 2023
	M.S. in Aerospace Science, Tsinghua University, China	2016 – 2019
RESEARCH POSITIONS	Project Research Fellow, National Astronomical Observatory of Japan, Japan	
	Collaborator: Prof. Eiichiro Kokubo	Apr. 2024 – Now
	Visiting Scholar, Tsinghua University, China	
	Collaborators: Prof. Wei Zhu & Prof. Chris Ormel	Jan. 2024 – Mar. 2024
	Graduate Research Associate, UBC, Canada Advisor: Prof. Brett Gladman	2019 – 2023
GRANTS & FELLOWSHIPS	JSPS Grant-in-Aid (KAKENHI) for Early-Career Scientists	2025 – 2028
	NAOJ Project Research Fellow	2024 – Now
	Shuimu Fellow (Tsinghua University), declined	2023
	DiRAC Fellow (University of Washington), declined	2023
	Edwin S.H. Leong Fellow	2020 – 2023
REFEREED PUBLICATIONS	As 1st author:	
	1. Analytical Solutions for Planet-Scattering Small Bodies Huang, Gladman, & Kokubo. AJ accepted (2026)	
	2. Dynamics of Binary Planets within Star Clusters Huang, Zhu, & Kokubo. ApJL 975, L38 (2024)	
	3. Primordial Orbital Alignment of Sednoids Huang, & Gladman. ApJL 962, L33 (2024)	
	4. A Rogue Planet Helps Populate the Distant Kuiper Belt Huang, Gladman, Beaudoin, & Zhang. ApJL 938, L23 (2022)	
	5. Free Inclinations for Transneptunian Objects in the Main Kuiper Belt Huang, Gladman, & Volk. ApJS 259, 54 (2022)	
	6. Four-billion year stability of the Earth–Mars belt Huang, & Gladman. MNRAS 500, 1151 (2021)	
	7. On the Instability of Saturn’s Hypothetical Retrograde Co-orbitals Huang, Li, Li, & Gong. MNRAS 488, 2543 (2019)	
	8. Kozai-Lidov Mechanism inside Retrograde Mean Motion Resonances Huang, Li, Li, & Gong. MNRAS 481, 5401 (2018)	
	9. Dynamic Portrait of the Retrograde 1:1 Mean Motion Resonance Huang, Li, Li, & Gong. AJ 155, 262 (2018)	
	As 2nd/3rd author:	
	10. Diverse Configurations of Binary Asteroids Explained by Multi-Generation Satellites Dai, Cheng, Huang, et al. submitted to Nature Communications (2025)	
	11. Early Stellar Flybys are Unlikely: Improved Constraints from Sednoids and Large- q TNOs Hu, Huang, Gladman, & Zhu. ApJ 993, 238 (2025)	
	12. Discovery and dynamics of a Sedna-like object with a perihelion of 66 au Chen, Lykawka, & Huang, et al. Nature Astronomy 9, 1309 (2025)	

13. **From planetesimals to dwarf planets by pebble accretion**
Ormel, & **Huang**. A&A 695, A251 (2025)
14. **Asteroid Kamo'oalewa's journey from the lunar Giordano Bruno crater to Earth 1:1 resonance**
Jiao, Cheng, **Huang**, et al. Nature Astronomy 8, 819 (2024)
15. **OSSOS. XXIX. The Population and Perihelion Distribution of the Detached Kuiper Belt**
Beaudoin, Gladman, **Huang**, et al. PSJ 4, 145 (2023)
16. **Flip mechanism of Jupiter-crossing orbits in the non-hierarchical triple system**
Li, Lei, **Huang**, & Gong. MNRAS 502, 5584 (2021)
17. **Dynamics of retrograde 1/n mean motion resonances: the 1/-2, 1/-3 cases**
Li, **Huang**, & Gong. Astrophysics and Space Science 365, 165 (2020)
18. **A semi-analytic model for the study of 1/1 resonant dynamics of the planar elliptic restricted co-orbital problem**
Li, **Huang**, & Gong. Research in Astronomy and Astrophysics (2020)
19. **Assess the Risk of Potentially Hazardous Asteroids through Mean Motion Resonance**
Li, **Huang**, & Gong. Astrophysics and Space Science 364, 78 (2019)
20. **Survey of asteroids in retrograde mean motion resonances with planets**
Li, **Huang**, & Gong. A&A 630, A60 (2019)
21. **Centaur Potentially in Retrograde Co-orbit Resonance with Saturn**
Li, **Huang**, & Gong. A&A 617, A114 (2018)

As contributing author:

22. **Detectability of Lunar-origin Asteroids in the LSST Era**
Wu, Jiao, Dai, **Huang**, et al. ApJ 997, 354 (2026)

SCIENCE TEAMS	FOSSIL-SSR: Subaru Sednoid Survey • Principal investigator	since 2025
	FOSSIL: Formation of the Outer Solar System: an Icy Legacy • Dynamical analysis of discovered objects & theoretical prediction	since 2024
	CLASSY: Classical and Large-A Solar System Survey • Dynamical classification & modelling of discovered TNOs	since 2022
CONFERENCE TALKS (★=INVITED)	6th Binaries in the Solar System Workshop, Nice	09/2025
	57th AAS DPS-EPSC joint Meeting, Helsinki	09/2025
	★ ISSI Forum, "Obs. Tests of Dynamical Models for Outer Solar System Formation", Bern	09/2025
	★ Exoplanets & Planet Formation Workshop 2025, Kunming	08/2025
	Japan Geoscience Union Meeting 2025, Tokyo	05/2025
	Young Transiting Planet Workshop, Ishigaki Island	03/2025
	PERC Int'l Symposium on Dust & Parent Bodies, Tokyo	02/2025
	Pebbles in Planet Formation Workshop, Tokyo	02/2025
	2024 Rogue Worlds Meeting, Osaka	12/2024
	DoS + CfCA Workshop, Kawaguchiko	12/2024
	CfCA User Meeting, Tokyo	11/2024
	56th AAS Division for Planetary Sciences (DPS) Meeting, Boise	10/2024
	Japanese Society for Planetary Science Autumn Meeting, Fukuoka	09/2024
	2024 Transneptunian Objects Meeting, Taipei	06/2024
	55th AAS Division for Dynamical Astronomy (DDA) Meeting, Toronto	05/2024
	55th AAS DPS-EPSC joint Meeting, San Antonio	10/2023
	2023 Asteroids, Comets, Meteors Conference, Flagstaff	06/2023
	54th AAS DDA Meeting, East Lansing	05/2023
	54th AAS DPS Meeting, London, Ontario	10/2022
	44th COSPAR general assembly, Athens	07/2022

	53th AAS DDA Meeting, New York	04/2022
	Workshop on Co-orbital motion, Milan	03/2022
	52th AAS DPS Meeting, virtual	10/2020
	14th Europlanet Science Congress (EPSC) Meeting, virtual	09/2020
	51th AAS DDA Meeting, virtual	08/2020
	49th AAS DDA Meeting, San Jose	04/2018
SEMINAR TALKS	SHAO Seminar, Shanghai Astronomical Observatory	08/2025
(*=INVITED)	* ALMA Project Science Coffee, NAOJ	07/2025
	Narita Lab Seminar, University of Tokyo	04/2025
	ELSI Seminar, Science Tokyo	04/2025
	* Exoplanet Science Seminar, Shanghai Astronomical Observatory (virtual)	11/2024
	* New Horizons Science Plenary Meeting (virtual)	08/2024
	* NAOJ Seminar, NAOJ	05/2024
	* DoA Seminar, Tsinghua University	03/2024
PROFESSIONAL SERVICE	Referee for AJ, ApJ, ApJL, PSJ, MNRAS, A&A, Icarus, and EPP	since 2019
	Serve on NASA Review Panel	since 2025
	One of Two Organizers of the NAOJ Planet Seminar	since 2025
PRESS COVERAGE	Discovery of 4th Sednoid: BBC , Forbes , Space.com , Subaru Telescope , NAOJ	2025
	Lunar Origin of Kamo'oalewa: CCTV (Chinese) , CNN , Science , Phys.org	2024
	Rogue Planet Hypothesis: AAS Nova , Sky & Telescope , New Scientist	2022–2024
PUBLIC OUTREACH (ALL INVITED)	4D2U Talk (in Japanese), NAOJ Open Campus Day	10/2025
	Tokyo Space Cafe , Good Heavens Bar, Shimokitazawa	09/2025
	"Ask An Astronomer" , H.R. MacMillan Space Centre, virtual	01/2023
AWARDS AND SCHOLARSHIPS	Hayakawa Fund	2024
	Japan Foundation for Promotion of Astronomy Fund	2024
	Outstanding Graduate of Beijing	2019
	Scholarship of Takada for Excellent Students of Tsinghua	2018
	Second Prize in the 10th National Zhou Peiyuan Mechanics Competition	2015
	Yu Menglun Scholarship	2014
	Yu Menglun Award for Science & Innovation	2014
	China National Scholarship	2013
TEACHING	T.A. for Astro 310, UBC	2021
	T.A. for Astro 310 & 311, UBC	2020
	T.A. for Astro 101, UBC	2019
	T.A. for Vibration theory, Tsinghua University	2017
	T.A. for Theoretical mechanics, Tsinghua University	2016
ADVISING & MENTORSHIP	Wenyue Dai (戴文越), Tsinghua University	since 2025
	Yifei Jiao (焦艺菲), Tsinghua University	since 2025
	Qingru Hu (胡清茹), Tsinghua University	since 2024
	Zhuoya Cao (曹卓雅), Tsinghua University	2024