Contact Information	New York University Abu Dhabi Division of Science - Mathematics United Arab Emirates	Email: jl15817@nyu.edu			
		Website: https://sites.google.com/view/jieliu- homepage/			
Research	Nonlinear dispersive and hyperbolic equations, fluid equations.				
Employment	Division of Science, New York University Abu Dhabi Post-Doctoral Associate, 2023 - Present				
Education	 Shanghai Center for Mathematical Science Ph.D., Applied Mathematics, 2018 - 2023 Advisor: Zhen Lei Thesis: Long Time Behavior of Three Classical 	ces, Fudan University sses of Nonlinear Hyperbolic Equations			
	School of Mathematical Sciences, Fudan University B.S. in Mathematics, 2014 - 2018				
PUBLICATIONS	Preprints				
	[5] Energy transfer and radiation in Hamiltonian nonlinear Klein-Gordon equations: general case, with Z. Lei and Z. Yang, Preprint arxiv: 2307.16191. (Submitted)				
	[4] Energy transfer, weak resonance, and Fermi's golden rule in Hamiltonian nonlin- ear Klein-Gordon equations, with Z. Lei and Z. Yang, Preprint arxiv: 2201.06490. (Submitted)				
	Refereed journal articles				
	[3] Weak solutions of the three-dimensional hypoviscous elastodynamics with finite kinetic energy, with K. Chen, J. Differential Equations 339 (2022), 637-665.				
	[2] Scattering for the quasilinear wave equations with null conditions in two dimensions, with D. He and K. Wang, J. Differential Equations 269 (2020), no. 4, 3067-3088.				
	[1] On the Constantin-Lax-Majda model with convection, with Z. Lei and X. Ren, Comm. Math. Phys. 375 (2020), no. 1, 765-783.				
Conference Talks	On the Constantin-Lax-Majda Model with Convection, East Asian Core Doctoral Forum on Mathematics 2020, Kavli Institute for the Physics and Mathematics of the Universe, The University of Tokyo, January 2020.				
	Weak solutions of the three-dimensional hypoviscous elastodynamics with finite kinetic energy, Online Conference on Partial Differential Equations in Applications, National Center for Applied Mathematics in Shanghai, Fudan University, August 2022.				

	Energy transfer and generalized Fermi's Golden Rule in Hamiltonian nonlinear Klein-Gordon equations, Conference on Theory and Applications of PDEs, Central China Normal University, Wuhan, December 2022.				
	Energy a Gordon Decembe	transfer equation er 2022.	and generalized Fermi's Golden Rule in Hamiltonian nonlinear Klein- ns, Mathematical Perspectives Forum, Southwest Jiaotong University,		
Seminar Talks	Energy transfer and generalized Fermi's Golden Rule in Hamiltonian nonlinear Klein-Gordon equations, PDE Seminar, Fudan University, December 2022.				
	Energy Transfer and Radiation in Hamiltonian Klein-Gordon Equations, Peking University, July 2023.				
	On the well-posedness, blow up, and long time dynamics of the De Gregorio equation, Analysis and PDE seminar, New York University Abu Dhabi, October 2023.				
Teaching	Fall Spring Fall Spring Fall	2021 2020 2019 2019 2018	Teaching Assistant, Equations of Mathematical Physics Teaching Assistant, Mathematical Analysis II Teaching Assistant, Ordinary Differential Equation Teaching Assistant, Equations of Mathematical Physics Teaching Assistant, Abstract Algebra		
Honors & Awards	2023 2020 2019 2018 2018 2017 2017 2017 2017	Outstanding Graduates, Fudan University National scholarship for Doctoral Students, Fudan University National scholarship for Postgraduates, Fudan University Honors Student Award In Mathematics, National Top Talent Un- dergraduate Training Program Outstanding Graduates, Fudan University National Scholarship for Undergraduates, Fudan University Bronze medal (Team), Honor prize in S.T.Yau College Student Mathematics Contest (Subject: Analysis and Differential Equa- tions) First Prize in Chinese Mathematical Competitions for University Students Silver medal in Chinese Mathematical Olympiad			
Services	Refereeing				
	ARMA				