



















EDUCATION

Nanjing University		College of Engineering and Applied Sciences		Nanjing, Jiangsu	
Doctor of Philosophy	Optical Engineering	Q.E. - Top 15% 	Nonlinear Fourier Optics 	2025 '27	
└ Thesis - Analytic 3D vectorial linear non-uniform & nonlinear Fourier crystal optics in arbitrary $\bar{\epsilon}, \bar{\chi}$ dielectrics  ┐					
Master 's Studies	Quantum Electronics	Courses Score - 93.5 	THz (> 6G) OAM Source 	2022 '24	
Northeastern University		School of Physics, College of Science		Shenyang, Liaoning	
Bachelor of Science	Applied Physics	GPA Rank - 1/400 	DDTank Auxiliary Tools 	2020 '22	
└ Thesis - Research & design of nonlinear holography based on lithium niobate 3D nonlinear photonic crystal   ┐					
Freshman in College	Science	Sichuan Prov. - Top 2%	7 Notes → 3 Books 	2016 '18	

ACADEMIC FOCUS

Next generation high N.A. 3D vector non-uniform analytic linear & nonlinear Fourier crystal optics 	2024.06
!Paraxial $k_0^\omega \Rightarrow$ High N.A. 3D vector non-uniform analytic linear & nonlinear Fourier crystal optics 	2024.03
Emphasizing $G_{xyz}^\omega \Rightarrow$ 3D vector non-uniform analytic linear & nonlinear Fourier crystal optics 	2023.12
Involving $\bar{\chi}_\omega^{(2)}$ anisotropy \Rightarrow Vector non-uniform analytic linear & nonlinear Fourier crystal optics 	2023.06
!Unitary $G_\omega^\pm \Leftarrow$!Hermitian $\bar{\epsilon}_r^\omega \Rightarrow$ Non-uniform analytic linear & nonlinear Fourier crystal optics 	2023.03
Solution $\mathcal{F}[E_\omega^\pm]$ to $(\nabla^2 + k_{\omega\pm}^2) E_\omega^\pm \propto P_{\omega\pm}^{(2)} \Leftrightarrow$ Analytic linear & nonlinear Fourier crystal optics 	2022.09
Solution $\mathcal{F}[E_3] = \mathcal{F}[f(\mathcal{F}^{-1}[\cdot])]$ to the Eq. below \Leftrightarrow Nonlinear angular spectrum theory for SFG 	2022.06
Solution $\mathcal{F}[E_3] = \iiint\!\!\!\int$ to $(\nabla^2 + k_3^2) E_3(r) \propto P_3^{(2)}(r) \Leftrightarrow$ Nonlinear convolution solution to SFG 	2022.03

TEACHING

- **Head Teaching Assistant** at University Name
Course Name (COURSE CODE)
- Spring 2019
- **Teaching Assistant** at University Name
Course Name (COURSE CODE)
- Spring 2017

SKILLS

- **Skill Group:** List of technologies
- **Skill Group:** List of technologies
- **Skill Group:** List of technologies
- **Skill Group:** List of technologies

LANGUAGES

- **Language:** language proficiency level
- **EXAM:** details
- **Language:** language proficiency level
- **Language:** language proficiency level

PROJECTS

See full list of projects on [example.com/projects](#)

- Project Title (Technology Used, 2019)
Short explanation of the project
- Project Title (Technology Used, 2019)
Short explanation of the project

HONORS & AWARDS

Academia	Doctor’s Qualification Exam (Oral)		Excellent		Top 15%	Nanjing	U.	2024.01
	Bachelor Dissertation & Defense		Excellent		1/90	Northeastern	U.	2020.06
Competition	Three Provinces Achievement Expo		Exhibition		Leader	Three	Prov.	2019.10
	“Challenge Cup” Tech Competition		Grand prize		Leader	Liaoning	Prov.	2019.06
Scholarships & Fellowships	Academic Fellowship		1st class		¥40,000	Nanjing	U.	2020-24
	“Jinchuan” Scholarship		1st place		¥5,000	Northeastern	U.	2019.04
	Academic Scholarship		1st place		¥2,000	Northeastern	U.	2018.06
	Entrance Scholarship		3rd place		¥5,000	Leshan No.1 H.S.		2013.09
Honors & Titles	Graduation with honor		Outstanding			Northeastern	U.	2020.07
	League Member		Excellent			Northeastern	U.	2019.11
	Undergraduate Student		Excellent			Northeastern	U.	2018.12
Memberships	Chinese Society for Optical Engineering		Member			Nanjing	U.	2021-25
	“Qian Sanqiang” Talent Class		Head			I.H.E.P.		2017-21

EXTRACURRICULAR ACTIVITIES

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- | | |
|--|--------------|
| • Member at Some Club | 2017–Current |
| <i>Detailed explanation of what you do at this club</i> | |
| • Member at Some Club | 2016–2017 |
| <i>Detailed explanation of what you do at this club</i> | |
| • Volunteer at Some Event | Fall 2019 |
| <i>Detailed explanation of what you do in this event</i> | |
| • Volunteer at Some Event | Winter 2015 |
| <i>Detailed explanation of what you do in this event</i> | |