

CURRICULUM VITAE

ABOUT

I am a researcher in chemistry at Stockholm University. My expertise is in technology and process development for electrochemical ion extraction through capacitive deionization (CDI)

Johan Nordstrand

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Research and Education

Researcher in chemistry (100 % research time)	Stockholm University, SE	2025-July-
Postdoc in theoretical chemistry	Stanford, USA	2023, July-2025-June
Researcher in physics	KTH, Sweden	2022, Dec.–2023, Jun.
Doctoral student in physics	KTH, Sweden	2019, Nov.–2022, Dec.
Master program in nanotechnology	KTH, Sweden	2017-2019
Lab internship	KAIST, South Korea	2017, July
Exchange semester	KAIST, South Korea	2017, Jan.-June
Project work in nanomaterials	Zhejiang University, China	2016, July
Bachelor program in engineering physics	KTH, Sweden	2014-2017

Peer recognition

Member of the international group for organizing CDI conferences	USA	2024-
Fellowship from the Knut and Alice Wallenberg Foundation	Sweden	2023
GYSS, Global Youth Science Summit, rep. of Sweden and KTH (Award as a young researcher under 35)	Singapore	2021
SIYSS, Stockholm International Youth Science Seminar, rep. of Sweden (Award as a young researcher under 25)	Sweden	2019

Other Merits and Awards

Invited Speaker at WETSUS	Netherlands	2024
PMP - Certified Project Management Professional	USA	2024
Independent research grant: Åforsk Foundation, 1,850,000 SEK	Sweden	2024
UGL – Group and leadership course	Sweden	2022
THE – Personal development and leadership course	Sweden	2022
Swedish silver medalist improvised public speaking, speech eval. gold	Sweden	2021
Independent research grant: J. Gust. Richert Foundation, 396,000 SEK	Sweden	2020
Interview in the newspaper Ny Teknik (Swedish): https://www.nyteknik.se/ingenjorskarriar/svensken-ar-en-av-varldens-framtida-forskarstjarnor-6981396	Sweden	2019
IPhO, International Physics Olympiad, Swedish national team	Kazakhstan	2014
Swedish Programming Olympiad finalist	Sweden	2014

Work Experience

Research engineer in automatic control	KTH, Sweden	2019, Aug.-Sept.
Research assistant in CDI	KTH, Sweden	2017-2018, part-time
University teacher	KTH, Sweden	2016-2019, part-time
Data analyst	VR, Sweden	2015, July
Private tutor	Studybuddy, Sweden	2013-2016, part-time

Research Publications

Publication Highlights

- Scholar: <https://scholar.google.com/citations?user=V3q0bloAAAAJ&hl=sv>
- Summary: 23 peer-reviewed journal publications, including **20 first-authored journal publications** in international peer-reviewed journals. The rest have me as the sole author or last author. Many have me as the corresponding author.