

Nicholas Carboni

Nationality: Italian

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Date of birth: 25/06/1996

Gender: Male

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 **Address:** Via Amedeo Bocchi 78, 00125 Roma (Italy)

EDUCATION AND TRAINING

Master's degree in Chemistry

University of Rome "La Sapienza" [2018 – 2021]

Address: Piazzale Aldo Moro 5, 00185 Roma (Italy)

<https://www.uniroma1.it/it/pagina-strutturale/home>

Final grade : 110/110 cum laude (Legal Time)

Thesis: Metallic Lithium Electrodeposition

Bachelor's degree in Chemistry

University of Rome "La Sapienza" [2015 – 2018]

Address: Piazzale Aldo Moro 5, 00185 Roma (Italy)

<https://www.uniroma1.it/it/pagina-strutturale/home>

Final grade : 110/110

Thesis: Hydrogen Electrocatalytic Evolution

WORK EXPERIENCE

Laboratory Tutor

University of Rome "La Sapienza" [2016 – 2018]

City: Roma

Country: Italy

Laboratory assistant and tutor in Analytical Chemistry and Organic Chemistry classes.

RESEARCH EXPERIENCE

Internship, University of Rome "La Sapienza"

[2020 – 2021]

Aim: contribute to the development of a lithiumless metal electrode to be used as an anode for Lithium Metal Batteries.

Strategies: Electrodeposition studies of metallic lithium on electrodes of different nature, including mesoporous and nanostructured electrodes and development and application of different Artificial-Solid Electrolyte Interface (A-SEI) to improve efficiency of the process of Li stripping/deposition.

Experimental experience in the use of galvanostatic cycling of electrodes for aprotic lithium batteries and their physico-chemical post mortem characterization

LANGUAGE SKILLS

Mother tongue(s):

Italian

Other language(s): **English**

HOBBIES AND INTERESTS

Passionate about Art, Music and Science

My main hobby is playing. In particular i play electric guitar, bass guitar and latin percussions (Bongos).

PUBLICATIONS

Brutti S., Ceppetelli A., Mesina L., Carboni N., Ciccioli A., Silvestri L., "LA63 - Ottimizzazione del processo di elettrodeposizione di elettrodi Li@Cu e aSEI@Li@Cu con densità di capacità controllata"

2nd Deliverable report of the AdP project "Sistemi di Accumulo, compresi elettrochimico e power to gas, e relative interfacce con le reti" - activity LA63, in press