

## Pierfrancesco ATANASIO

Pierfrancesco Atanasio was born on the 7<sup>th</sup> of April 1993 and he is currently a PhD Student at the Department of Basic and Applied Sciences for Engineering at Sapienza University of Rome, working on a carbon aerogel based materials for hydrogen sensing.

### Work experience

- May2020    fellowship student at Sapienza University of Rome studying techniques of characterization of  
Oct 2020    nanomaterials (AFM, XRD, PDF), regarding in particular characterization of nanocellulose
- Dec 2018-    Projectation, construction and characterization of Silicon/carbon hybrid nanostructures for  
May 2020    application in lithium-ion energy storage devices  
Characterization of cellulose nanocrystals (EDX, XRD, AFM) in project NEMESI – CUP  
B86G18000400008  
Production of nanomaterials for sensorized smart textiles

### Education

- Nov2020-    PhD Student at the Department of Basic and Applied Sciences for Engineering at Sapienza  
Now        University of Rome and Tutor for "Chemistry I" course for Chemical Engineering students
- Jul 2018    Master's degree cum laude in Industrial Chemistry at Sapienza University of Rome with the  
Thesis: "Electrochemical synthesis of nichel nanowires over nanoporous alumina templates"
- Dec 2015    Bachelor's degree cum laude in Industrial Chemistry at Sapienza University of Rome with the  
thesis: "Conductivity and refraction index measurements of choline-aminoacids ionic liquids"

### Publications

- P. Atanasio, F.A. Scaramuzzo, M. Rossi, M. Pasquali, A. Capasso, "Elettrodi ibridi carbonio/materiale attivo per accumulatori agli ioni di litio Carbon/active material electrodes for lithium ion batteries" patent 102021000017024.
- T. Singh; P. Atanasio; D. Schiavi; V. Di Lorenzo; F. A. Scaramuzzo; D. Passeri; G. M. Balestra; M. Rossi, "Preliminary Results Towards the Mechanical Characterization of Cellulose Nanofibers Using HarmoniX Mode Atomic Force Microscopy", Nanoinnovation 2020 conference proceedings