JEON, EUN JU

Eun Ju Jeon studied Materials Science and Chemical Engineering at Hanyang University in Seoul, Korea (2017-2019) and is now working as a PhD student in the working group Nanomaterials at Institute for Particle Technology, Technical University of Braunschweig. Her research focus is on design and characterization of hybrid electrolytes for all-solid-state lithium-sulfur batteries.

EDUCATIONS

Doctoral student
May 2019 - present **Institute for Particle Technology (iPAT), Technical University of Braunschweig** **Braunschweig, Germany**

- Synthesis and evaluation of hybrid electrolytes for all-solid-state lithium-sulfur batteries
- Project: Advanced lithium-sulfur battery concepts for Aviation (aero-LiS-SE) in the Cluster of Excellence SE^2A

Master of Science in Materials Science and Chemical Engineering
Mar. 2017 – Feb. 2019 **Hanyang University** **Korea**

- Synthesis and Characterization of 1-Dimensional Neodymium-Iron-Boron Fibers using Electrospinning method
- Advisor: Prof. Y.H. Choa and Dr. B.S. Kim

Bachelor of Science in Energy Engineering
Mar. 2012 – Aug. 2016 **Dankook University** **Korea**

- Perfluorinated sulfonic acid ionomers-hydrophilically surface-treated PTFE reinforced membrane for polymer electrolyte fuel cells
- Advisor: Prof. C-H. Lee

PUBLICATIONS

- "Synthesis of One-Dimensional Neodymium-Iron-Boron-Oxides", **E. J. Jeon**, N.S.A. Eom, Y-H. Choa, B.S. Kim, **Materials Letters,** 264, (2020), 127286
- "Multistep Heat-Treatment Effects on Electrospun Nd-Fe-B-O Nanofibers", **Eun Ju Jeon**, N.S.A. Eom, J. Lee, B. Lee, H.M. Cho, J.S On, Y-H. Choa, B.S. Kim, **Arch. Metall. Mater,** 63, (2018) 1433-1437

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