

Faculty of Chemistry and Food Chemistry, Chair of Molecular Functional Materials

The Chair of Molecular Functional Materials is focused on the development of energy storage devices based on dual-ion batteries and supercapacitors, from electrode and electrolyte material development to pouch cell investigations, including the detailed electrochemical characterization of the material and devices. The research also includes the development of printed and thin energy storage devices.

Tasks: the design, synthesis, and electrochemical characterization of electrode and electrolyte materials; the development of Swagelok and coin cells for the electrode loading and mass balance investigations and the development of multilayered pouch cells.

Requirements: an outstanding university degree and a PhD degree in electrochemistry, energy storage devices or similar; previous experience in the design and development of electrode/electrolyte materials, development of energy storage devices including pouch cell; very good interpersonal and communication skills; an independent, target- and solution-driven work attitude; inter- and multidisciplinary thinking; fluency in English - written and oral.

If you are interested to join an international, motivated group for developing the materials for the future, please send your application as a single PDF document to:

Dr. Ali Shaygan Nia (Research Group Leader)
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