

CELEST Member Short Profile



Dominic Bresser

Dominic Bresser is currently serving as principal investigator and group leader at the Helmholtz Institute Ulm (HIU) and Karlsruhe Institute of Technology (KIT), Germany. The focus of the group's activities is on the development of advanced lithium and sodium batteries, including new and optimized inorganic and organic electrode materials, sustainable electrode processing technologies, liquid and solid electrolyte systems as well as redox-active polymers. This work is supported inter alia by an ERC Starting Grant (2022). In addition, he is serving as editor for the Journal of Power Sources Advances (Elsevier). Prior to his present activities in Ulm, he held a two-years postdoctoral position and Enhanced Eurotalents Fellowship at CEA in Grenoble (France), where he was studying new macromolecular electrolyte systems. Beforehand, he carried out his PhD at the University of Muenster (Germany), studying nanostructured active materials for Li and Na batteries. For his scientific achievements, he has been awarded with the Carus Medal by the German National Academy of Sciences Leopoldina and with the Carus Award by the City of Schweinfurt.



Electrochemical Energy Storage

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Research areas

<https://hiu-batteries.de/en/researches/research-groups/electrochemical-energy-storage-materials/>

Lab equipment

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