

## Dr. Lars Borchardt Biography



Name: Dr. Lars Borchardt

Organization: TU Dresden

Profile Weblink: [www.borchardt-group.com](http://www.borchardt-group.com)

Lars Borchardt obtained his diploma in chemistry in 2009 and his Dr. rer. nat. in 2013 from the TU Dresden working on the electrochemical energy storage in porous carbon materials. Afterwards he stayed as postdoctoral research at the ETH Zürich working in heterogeneous catalysis. In 2014 he returned to Germany and started his habilitation at the TU Dresden under the supervision of Prof. Kaskel. There he is leader of an independent junior research group funded by the BMBF. His group is interested in

- porous and nanostructured materials for the electrochemical energy storage in supercapacitors and lithium-sulfur batteries.
- sustainable and solvent-free reaction pathways for nanostructured materials using mechanochemistry.
- gas hydrates in confined spaces as chemical energy storage systems
- adsorptive and spectroscopic characterization of energy storage processes

For his work he was recently awarded with the MIT Innovators under 35 award, with the Daimler and Benz research fellowship and with the Max-Buchner award.

### Awards and Scholarships:

December 2017	<b>„TU Dresden Young Investigator“</b> <i>Technische Universität Dresden</i>
June 2017	<b>„Investigator under 35 Award“</b> <i>MIT Technology Reviews</i>
June 2017– May 2018	<b>„Max Buchner Fellowship“</b> <i>Dechema</i>
March 2017– February 2019	<b>„Daimler and Benz Award“</b> <i>Daimler und Benz Foundation</i>
July 2015 – June 2020	<b>„Junior Research Group“</b> <i>Bundesministerium für Bildung und Forschung (BMBF)</i>
April 2011 – June 2011	<b>„DAAD Exchange Grant“</b> <i>German Academic Exchange Service</i>