

Publikationen

(2017): VERFAHREN ZUM HERSTELLEN EINER BATTERIE, BATTERIE UND INTEGRIERTE SCHALTUNG..

(2017): METHOD OF MANUFACTURING A BATTERY, BATTERY AND INTEGRATED CIRCUIT.

(2017): Lithium barrier materials for on-chip Si-based microbatteries. In: Journal of Materials Science: Materials in Electronics, vol. 28, no. 19, pp. 14605-14614. DOI: 10.1007/s10854-017-7325-4.

(2016): Overall conductivity and NCL-type relaxation behavior in nanocrystalline sodium peroxide Na_2O_2 — Consequences for Na-oxygen batteries. In: Materials Science and Engineering: B, vol. 211, no. September, pp. 85-93. DOI: 10.1016/j.mseb.2016.06.002.

(2015): Fast Li Self-Diffusion in Amorphous Li-Si Electrochemically Prepared from Semiconductor Grade, Monocrystalline Silicon — Insights from Spin-Locking Nuclear Magnetic Relaxometry. Poster presentation. In: 20th International Conference on Solid State Ionics, Keystone, CO, USA.

(2015): Fast Li^+ Self-Diffusion in Amorphous Li-Si Electrochemically Prepared from Semiconductor Grade, Monocrystalline Silicon: Insights from Spin-Locking Nuclear Magnetic Relaxometry. In: The Journal of Physical Chemistry C, vol. 119, no. 22, pp. 12183-12192. DOI: 10.1021/acs.jpcc.5b02490.

(2015): Lithium ion dynamics in amorphous Li-Si electrochemically prepared from semiconductor grade, monocrystalline silicon — An NMR Study. Poster presentation. In: Materials Day 2015, Graz, Österreich.

(2015): Fast Li self-diffusion in Li-Si Electrochemically Prepared from Semiconductor Grade, Monocrystalline Silicon. In: 15th European Conference on Solid State Chemistry (ECSSC), Wien, Österreich.

(2014): Li Self-Diffusion in Metastable $\text{Li}_{15}\text{Si}_4$ prepared from Monocrystalline Si - An Ex Situ ^7Li NMR Relaxometry Study. Poster presentation. In: 17th International Meeting on Lithium Batteries, Como, Italien.

(2014): Li Self-Diffusion in Amorphous Li/Si Prepared from Monocrystalline Si - A ^7Li NMR Relaxometry Study. Poster presentation. In: 65th Annual Meeting of the International Society of Electrochemistry (ISE), Lausanne, Schweiz.

(2013): Crystalline Silicon as Structured Anode Material for Lithium-Ion Batteries. In: 224th Meeting of the Electrochemical Society, San Francisco, CA, USA.