

Dr. Ran He



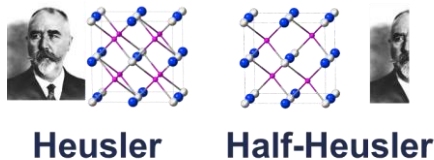
Group leader at
Institute of Metallic Materials
IFW-Dresden

Helmholtzstr. 20, 01069
Dresden
T: +49 351 4659 337
E: r.he@ifw-dresden.de

ORCID 0000-0002-0295-
6837

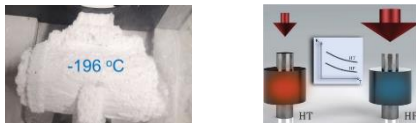
<https://www.ifw-dresden.de/ifw-institutes/imw/research/nanostructure-d-bulk-thermoelectrics>

Understanding the Processing-Structure-Property relations for thermoelectrics



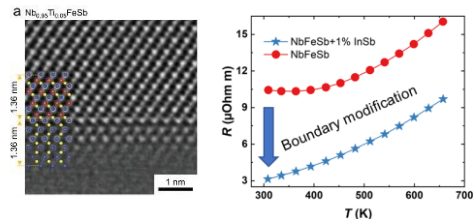
Energy & Environ. Sci. 13, 5165-5176 (2020)
Adv. Funct. Mater. 33, 2305582 (2023)

Non-equilibrium synthesis



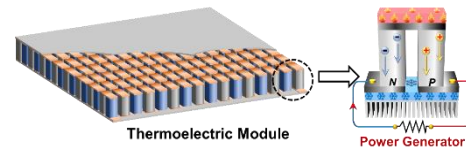
Small 17 (13), 2102045 (2021)
ACS Appl. Mater. Interfaces 13 (32), 38561-38568 (2021)

Grain boundary modification



Adv. Energy Mater., 13, 2204321 (2023)
Mater. Today Phys., 38, 101240, (2023)

Te-free Thermoelectric modules



Nat. Commun. 12, 1121 (2021)
Small 18 (24), 2201183 (2022)
Energy & Environ. Sci., 15, 2557-2566 (2022)