



*nanoenergy advances*

*Special Issue Reprint*

## **Recent Advances in Nanogenerators**

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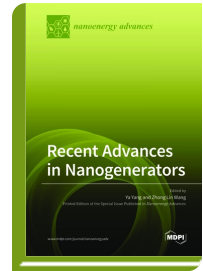
Edited by

Ya Yang

Zhong Lin Wang

ISBN 978-3-0365-5019-0 (Hardback)

ISBN 978-3-0365-5020-6 (PDF)



This book focuses on both fundamental and applied research on nanogenerators. The triboelectric nanogenerator (TENG) is based on expanded Maxwell's equations for a mechano-driven system, including the polarization density term  $P_s$  in a displacement vector owing to the electrostatic charges on medium surfaces as produced by effects such as triboelectrification. The TENGs have potential applications in blue energy, wearable devices, environmental protection, medical science, and security. Hybridized and coupled nanogenerators further expand the application of nanogenerators in energy stability and multi-functional sensing.



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