

Nanomaterials for electronic Soft-Wear and Micro-Robotic Hard-Ware

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Nanomaterials in the form of nanomembranes are thin, flexible, transferable and can be shaped into unique 3D micro- and nanoarchitectures. This makes them attractive for various scientific disciplines ranging from so-called « Electronic Soft-Wear » to « Microrobotic Hard-Ware ». This talk explores the underlying science of nanomembranes and discusses the fascinating application potential of this particular class of nanomaterials ranging from integrated microelectronic skin [1] and self-assembled 3D microelectronics [2] to medical microbots [3,4] and the world's smallest self-propelled microelectronic systems [5].

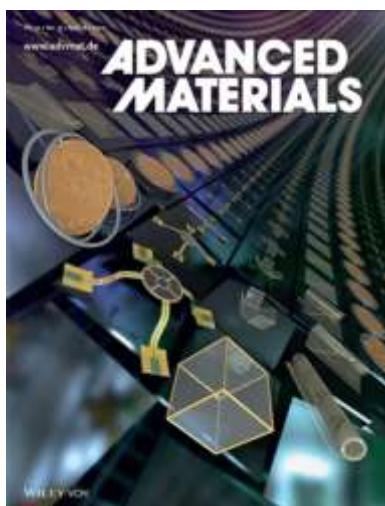
References

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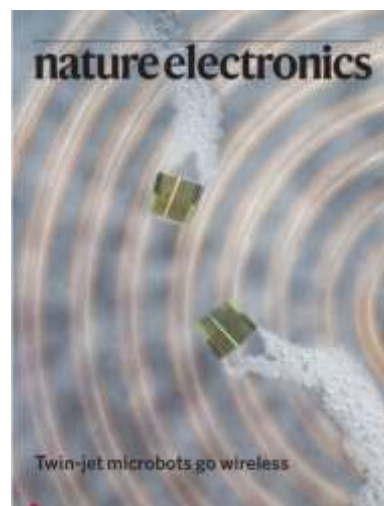
Figures



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