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Normal and anomalous transport phenomena in two-dimensional *NaCl*, MoS_2 and *honeycomb* surfaces

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***Highlights (for review)**

Highlights

Transport of Brownian motors in in two-dimensional surfaces .
Influence of the biharmonic parameter on the transport properties.
Influence of anisotropy upon the transport properties using deflection angle.
The substrate shape crucially affects the occurrence of the anomalous transport