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## Applications of graphene in nanotechnology : 1D diffusion, current drag and nanoelectrodes

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**Title:** Applications of graphene in nanotechnology : 1D diffusion, current drag and nanoelectrodes

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# CURRICULUM VITAE

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diffusion, Current drag and Nanoelectrodes  
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# LIST OF PUBLICATIONS

1. A. Bellunato\*, **S. Vrbica**\*, C. Sabater, E. W. de Vos, R. Fermin, K. N. Kannevorff, F. Galli, J. M. van Ruitenbeek and G. F. Schneider, *Dynamic tunneling junctions at the atomic intersection of two twisted graphene edges*, *Nano Lett.* **18**, 4, 2505-2510 (2018).

\*These authors contributed equally to this work

2. **S. Vrbica**, T. Preis, N. Kocić, J. Repp and J. M. van Ruitenbeek, *One-dimensional diffusion of Co adatoms on graphene nanoribbons*, to be submitted.
3. **S. Vrbica**, T. Vlot and J. M. van Ruitenbeek, *Inducing voltage by moving a droplet of liquid along graphene*, to be submitted.

## Patent applications

1. G. F. Schneider, J. M. van Ruitenbeek, A. Bellunato, **S. Vrbica**, C. Sabater, E. de Vos. *Method of preparing two-dimensional electrically conductive material having atomically sharp supported edges*. Patent application GB 1610187.5

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