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A step forward towards the large scale production and industrialization of graphene

In this talk I will illustrate the development of industrial-scale, reliable, inexpensive production processes[2] for the implementation of 2D materials in flexible (opto)electronics and energy applications.
I will show how the production of 2D materials by solution processing[2,6] represents a simple and cost-effective pathway towards the development of 2D materials-based (opto)electronic and energy devices, presenting huge integration flexibility compared to other production methods. I will first present our strategy to produce 2D materials on large scale by wet-jet milling[7] of their bulk counterpart and then an overview of their applications for flexible and printed (opto)electronic and energy devices. [3,8,9,10,11,12,13,14]

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