Title:	Mechanochemical Synthesis of Free-Standing Platinum Nanosheets and Their Electrocatalytic Properties
Authors:	Rana, M. (/jspui/browse?type=author&value=Rana%2C+M.)
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Abstract:	Robust, 26 nm thick free-standing platinum nanosheets, an extremely rare morphology for metal nanostructures, are obtained by employing fluid induced shearing force of the order of 1.8 N and differential shear-stress of 0.5 kPa across the diameter of a Te template nanorod undergoing galvanic displacement by Pt4+. Corrugation leads to their large surface area and much improved electrocatalytic properties when compared with conventional Pt catalysts.
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