

### عنوان مقاله:

Torsion Extrusion effect on work hardening of metal

### محل انتشار:

اولین همایش بین المللی علوم و فناوری نانو (سال: 1399)

تعداد صفحات اصل مقاله: 15

### نویسنده:

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### خلاصه مقاله:

Metal forming is the methods to variation the form of metals. Rolling, extrusion, drawing and etc are the methods of metal forming. This method has 2 aims, at first the reduction from thickness or diameters; second aim is improving the hardworking. In this research, torsion extrusion be investigated in order to improving the material no decreasing the sizes. Investigation method was FEM analysis with ABAQUS software. Result show that in this method, cavities in workpiece removed and hardening in material increased. Result that the torsion extrusion method is a suitable method to improving the material.

### کلمات کلیدی:

.Extrusion, metal forming, hardworking, torsion exrosion

### لینک ثابت مقاله در پایگاه سیویلیکا:

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