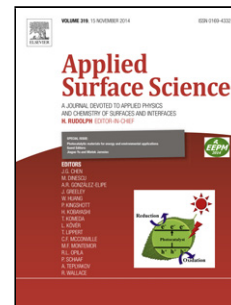


## Accepted Manuscript

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### Highlights

- TiAlN coating exhibits excellent corrosion resistance
- Higher substrate bias leads maximum hardness and Young's modulus
- High pressure leads minimum hardness and Young's modulus

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