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Mechanical properties and optimal grain size distribution profile of gradient grained nickel

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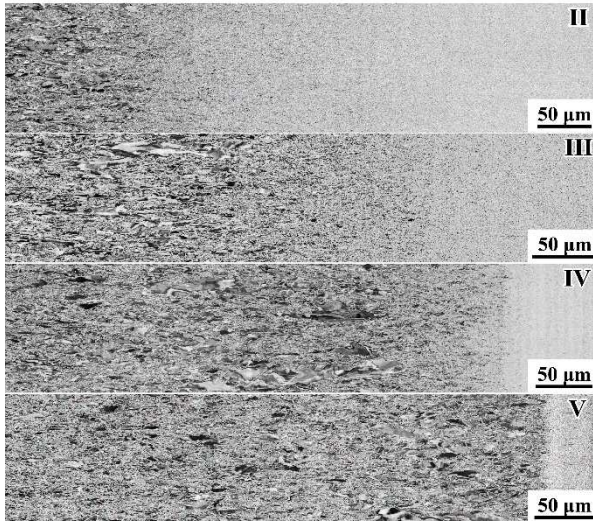
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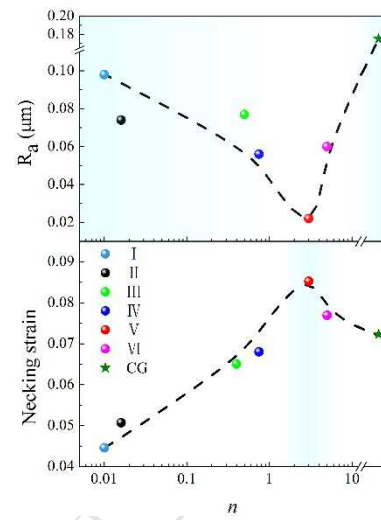
## Graphical abstract

Various degrees of grain size gradient



Relieving surface roughening in GS Ni sample

possessing optimum grain size profile



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