

### **Diffusion in SC Ni-base superalloy under viscoplastic deformation**

**Kommel, Lembit**; Straumal, B. Defect and diffusion forum 2010 / p. 1340-1345 : ill

### **Diffusion in SC Ni-base superalloys under viscoplastic deformation**

**Kommel, Lembit**; Straumal, B. Diffusion in Solids and Liquids V 2010 / p. 1340-1345

### **Effect of hard cyclic viscoplastic deformation on phases chemical composition and micromechanical properties evolution in single crystal Ni-based superalloy**

**Kommel, Lembit** Acta physica polonica A 2015 / p. 681-683 : ill <http://dx.doi.org/10.12693/APhysPolA.128.681>

### **Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine : keevitusprotseduuri katse. Osa 1, Teraste gaas- ja kaarkeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials : welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004+A1:2008)**

2011 [https://www.ester.ee/record=b2730238\\*est](https://www.ester.ee/record=b2730238*est)

### **Metallide keevitusprotseduuride spetsifitseerimine ja atesteerimine. Keevitusprotseduuri katse. Osa 1, Teraste gaas- ja kaarkeevitus ning nikli ja niklisulamite kaarkeevitus = Specification and qualification of welding procedures for metallic materials. Welding procedure test. Part 1, Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2004+A1:2008+A2:2012)**

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### **New technique for characterization of microstructure of the nickel-base superalloy**

**Kommel, Lembit** Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 498-503 : ill

### **Order change and phase's redistribution in single crystal of Ni-based superalloy during hard cyclic viscoplastic deformation**

**Kommel, Lembit**; Kodess, Boris N.; **Kommel, Igor** Acta crystallographica section A : foundations and advances 2016 / p. 304 <http://journals.iucr.org/a/issues/2016/a1/00/a54456/a54456.pdf>

### **Phase equilibrium evolution in single-crystal Ni-based superalloys**

**Kommel, Lembit** Superalloys 2015 / p. 171-202 : ill <http://dx.doi.org/10.5772/61102>

### **Phases micromechanical properties of Ni-base superalloy measured by nanoindentation**

**Kommel, Lembit**; **Kimmari, Eduard**; **Viljus, Mart**; **Traksmaa, Rainer**; **Volobujeva, Olga**; **Kommel, Igor** Materials science = Medžiagotyra 2012 / p. 28-33 : ill <https://matsc.ktu.lt/index.php/MatSc/article/view/1337>

### **Synthesis and characterization of nanocrystalline Fe(100-x)Ni(x) alloy powders by auto-combustion and hydrogen reduction**

**Singh, Neera**; Sharma, Shyam; Parkash, Om; Kumar, Devendra Journal of Materials Engineering and Performance 2019 / p. 5441-5449 : ill <https://doi.org/10.1007/s11665-019-04330-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Viscoelastic behavior of a single-crystal nickel-base superalloy**

**Kommel, Lembit** Materials science 2009 / p. 123-128 : ill

### **X-ray investigation of microstructure and properties evolution on superalloy Inconel-718 derivative during rapid joule heating and severe plastic deformation in-situ**

**Kommel, Lembit**; **Traksmaa, Rainer**; **Mikli, Valdek** International journal for innovation education and research 2018 / p. 12-22 : ill <http://ijer.net/index.php/ijer/article/download/1145/813/>