

### **AC magnetic loss reduction of SLM processed Fe-Si for additive manufacturing of electrical machines**

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### **Additively manufactured mesostructured MoSi<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> ceramic lattice**

Minasyan, Tatevik; Liu, Le; Holovenko, Yaroslav; Aydinyan, Sofiya; Hussainova, Irina Ceramics international 2019 / p. 9926-9933 <https://doi.org/10.1016/j.ceramint.2019.02.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Bio-inspired TiB<sub>2</sub>-TiB-TiN lattices by selective laser melting**

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### **Competition between densification and microstructure of functional materials by Selective Laser Melting**

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### **Duplex treatment of steel surface = Terasse pinna dupelekstöötlus**

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### **Effect of lattice surface treatment on performance of hardmetal - titanium interpenetrating phase composites**

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### **Effect of nanoparticles on morphology and size of primary silicon and property of selective laser melted Al-high Si content alloys**

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## **Enhancing the tensile properties of laser repairing Ti-6Al-4V alloys: Optimization of strain distribution based on composition fine-turning**

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## **Hysteresis measurements and numerical losses segregation of additively manufactured silicon steel for 3D printing electrical machines**

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**Lattice of MoSi<sub>2</sub>/Si<sub>3</sub>N<sub>4</sub> by selective laser melting**

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**Lightweight 3D printed Ti6Al4V-AlSi10Mg hybrid composite for impact resistance and armor piercing shielding**

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**Machine learning assisted design of high-entropy alloys with ultra-high microhardness and unexpected low density**

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**Manufacturing of silicon – Bioactive glass scaffolds by selective laser melting for bone tissue engineering**

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#### **Mo(Si<sub>1-x</sub>Al<sub>x</sub>)<sub>2</sub>-based composite by reactive laser powder-bed fusion**

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### **Use of selective laser melting for manufacturing the porous stack of a thermoacoustic engine**

**Auriemma, Fabio; Holovenko, Yaroslav** Modern Materials and Manufacturing 2019 : 12th International DAAAM Baltic Conference and 27th International Baltic Conference BALTMATTRIB 2019. Selected, peer reviewed papers from the conference Modern Materials and Manufacturing 2019 (MMM 2019), April 24-26, 2019, Tallinn, Estonia 2019 / p. 246-251 : ill <https://www.scientific.net/KEM.799.246> [https://www.ejournals.org/record=b5235278\\*est](https://www.ejournals.org/record=b5235278*est) <https://doi.org/10.4028/www.scientific.net/KEM.799.246> [Conference proceeding at Scopus](#) [Article at Scopus](#)

### **Wear resistance of laser remelted thermally sprayed coatings**

**Surženkov, Andrei; Kulu, Priit; Tarbe, Riho; Mikli, Valdek; Sarjas, Heikki;** Latokartano, Jyrki Estonian journal of engineering 2009 / 4, p. 318-328 : ill