

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

Liu, Le; Minasyan, Tatevik; Kamboj, Nikhil; Aydinyan, Sofiya; Hussainova, Irina Materials Letters 2020 / art. 128337  
<https://doi.org/10.1016/j.matlet.2020.128337> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Electrochemically synthesised CdSe nanofibers and pearl-chain nanostructures for photovoltaic applications**

Kois, Julia; Bereznev, Sergei; Gurevič, Jelena; Volobujeva, Olga Materials letters 2013 / p. 110-113 : ill  
<https://doi.org/10.1016/j.matlet.2012.11.122> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fibrous alumina-based Ni-CeO<sub>2</sub> catalyst : synthesis, structure and properties in propane pre-reforming**

Potemkin, D. I.; Aghayan, Marina; Kamboj, Nikhil Kumar; Hussainova, Irina Materials letters 2018 / p. 35-37 : ill  
<https://doi.org/10.1016/j.matlet.2017.12.039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Fibrous alumina-based Ni-MO<sub>x</sub> (M= Mg, Cr, Ce) catalysts for propane pre-reforming**

Uskov, S. I.; Potemkin, D. I.; Kamboj, Nikhil Kumar; Snytnikov, P.V.; Hussainova, Irina Materials letters 2019 / art. 126741, 4 p. : ill  
<https://doi.org/10.1016/j.matlet.2019.126741> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of Cu<sub>2</sub>S, SnS and Cu<sub>2</sub>ZnSnSe<sub>4</sub> on optical properties of Cu<sub>2</sub>ZnSnS<sub>4</sub>**

Mamedov, D.; Klopov, Mihhail; Karazhanov, S. Zh. Materials letters 2017 / p. 70-72 : ill <https://doi.org/10.1016/j.matlet.2017.05.069>  
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**Mechanochemical synthesis of solid-state electrolyte Sm<sub>1-x</sub>CaxF<sub>3-x</sub> for batteries and other electrochemical devices**

Molaiyan, Palanivel; Witter, Raiker Materials letters 2019 / p. 22-26 <https://doi.org/10.1016/j.matlet.2019.02.034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Microstructure and mechanical properties of NiTi-SS bimetallic structures built using wire arc additive manufacturing**

Singh, Shalini; Jinoop, A. N.; Palani, Iyamperumal Anand; Paul, Christ Prakash; Tomar, K. P.; Prashanth, Konda Gokuldoss Materials letters 2021 / art. 130499, 4 p. : ill <https://doi.org/10.1016/j.matlet.2021.130499> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mo(Si,Al)<sub>2</sub> by laser powder bed fusion of AlSi10Mg and combustion synthesized MoSi<sub>2</sub>**

Minasyan, Tatevik; Ivanov, Roman; Toyserkani, Ehsan; Hussainova, Irina Materials letters 2022 / art. 131041  
<https://doi.org/10.1016/j.matlet.2021.131041> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Minasyan, Tatevik; Aydinyan, Sofiya; Liu, Le; Volobujeva, Olga; Toyserkani, Ehsan; Hussainova, Irina Materials letters 2020 / art. 128776, 5 p. : ill <https://doi.org/10.1016/j.matlet.2020.128776> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A novel crack-free and refined 2195-Ti/CeB<sub>6</sub> composites prepared by laser powder bed fusion**

Xi, Lixia; Xu, Juncan; Gu, Dongdong; Feng, Lili; Lu, Qiuyang; Prashanth, Konda Gokuldoss Materials letters 2023 / art. 133572  
<https://doi.org/10.1016/j.matlet.2022.133572> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Properties development of ultrafine-grained copper under hard cyclic viscoplastic deformation**

Kommel, Lembit Materials letters 2010 / p. 1580-1582 : ill <https://www.sciencedirect.com/science/article/pii/S0167577X10003526>

**Rapid assessment of photovoltaic activity of perovskite solar cells by photoluminescence spectroscopy**

Dileep, K. Reshma; Mandati, Sreekanth; Ramasamy, Easwaramoorthi; Mallick, S; Rao, Tata Naransinga; Veerappan, Ganapathy Materials letters 2021 / art. 130056, 4 p. : ill <https://doi.org/10.1016/j.matlet.2021.130056>

**Revealing the impact of Hot Isostatic Pressing temperature on the microstructure and mechanical characteristics of Selective Laser Melted CuAlNiMn shape memory alloy**

Singh, Shalini; Narayanan, Jinoop Arackal; Dehgahi, Shirin; Qureshi, A. J.; Palani, Iyamperumal Anand; Paul, Christ Prakash; Prashanth, Konda Gokuldoss Materials letters 2024 / art. 136452 <https://doi.org/10.1016/j.matlet.2024.136452>

**Selective photocurrent generation in HfO<sub>2</sub> and carbon nanotube hybrid nanocomposites under Ultra-Violet and visible photoexcitations**

Rauwel, Protima; Galeckas, Augustinas; Ducroquet, Frédérique; Rauwel, Erwan Materials Letters 2019 / p. 45 - 48  
<https://doi.org/10.1016/j.matlet.2019.03.030> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Superhard B<sub>4</sub>C-ReB<sub>2</sub> composite by SPS of microwave synthesized nanopowders**

Mnatsakanyan, R.; Davtyan, D.; Minasyan, Tatevik; Aydinyan, Sofiya; Hussainova, Irina Materials letters 2021 / art. 129163, 5 p. : ill <https://doi.org/10.1016/j.matlet.2020.129163> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Testing Mg as an anode against BiF<sub>3</sub> and SnF<sub>2</sub> cathodes for room temperature rechargeable fluoride ion batteries**

Mohammad, Irshad; Witter, Raiker Materials Letters 2019 / p. 159 - 162 <https://doi.org/10.1016/j.matlet.2019.02.052> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

