

### **Atomic mechanism of the destruction of spherical nanocrystal under three-dimensional dilation**

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### **Characterization of the viscoplastic behavior of nanocrystalline metals at HCV deformation**

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### **Damage evolution of structure and fracture of nanocrystalline copper at cyclic deformation**

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### **Design of AChE reactivators using versatile molecular platforms and nanodiamonds**

**Karpichev, Yevgen; Kapitanov, Illia; Bondar, Denys**; Mochalin, Vadym 15th International Meeting on Cholinesterases, 9th International Conference on Paraoxonases : Programme and Book of Abstracts 2024 / p. 92 [https://www.chepon2024.com/wp-content/uploads/2024/09/CHEPON2024\\_Book\\_of\\_Abstracts.pdf](https://www.chepon2024.com/wp-content/uploads/2024/09/CHEPON2024_Book_of_Abstracts.pdf)

### **Detailed photoluminescence study of Cu<sub>2</sub>Ge(SSe)<sub>3</sub> microcrystals**

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### **Effect of alkali ions (Na<sup>+</sup>, K<sup>+</sup>, Cs<sup>+</sup>) on reaction mechanism of CZTS nano-particles synthesis**

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### **Nanocrystalline diamond films deformation observed during sliding tests against Si<sub>3</sub>N<sub>4</sub> balls as a possible cause for ripple formation on wear scars surface**

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