

## Highlighted publications by Zsolt Czigány

*Selection based on scientific level, significance of contribution and personal feeling of achievement.  
Some of the papers are milestones in my carrier.*

[Zsolt Czigány and György Radnóczy Columnar growth structure and evolution of wavy interface morphology in amorphous and polycrystalline multilayered thin films](#)  
[Thin Solid Films 347 \(1999\) 133-145](#) **IF.: 1.101**

[Zsolt Czigány, Ian Brunell, Jörg Neidhardt, Kazu Suenaga, and Lars Hultman Growth of fullerene-Like Carbon Nitride Thin solid Films Consisting of Cross-Linked Nano-Onions](#)  
[Appl. Phys. Lett. 79 \(2001\) 2639-41](#) **IF.: 3.849**

[L. Hultman, S. Stafström, Zs. Czigány, J. Neidhardt, N. Hellgren, I. Brunell, K. Suenaga and C. Colliex Cross-Linked Nano-Onions of Carbon Nitride in Solid Phase; Existence of novel  \$C\_{48}N\_{12}\$  Aza-Fullerene](#)  
[Phys. Rev. Lett. 87 \(2001\) 225503-1-4](#) **IF.: 6.668**

[Zsolt Czigány and Lars Hultman Interpretation of electron diffraction patterns from amorphous and fullerene-like carbon allotropes](#)  
[Ultramicroscopy 110 \(2010\) 815-819](#) **IF: 2.061**  
*Outstanding Paper Award of European Microscopy Society in 2010*

[Zsolt Czigány, Fanni Misják, Olga Geszti and György Radnóczy Structure and phase formation in Cu-Mn alloy thin films deposited at room temperature.](#)  
[Acta Materialia 60 \(2012\) 7226–7231](#) **IF: 3.3941**

[Mikhail Chubarov, Henrik Pedersen, Hans Högberg, Zsolt Czigány, Magnus Garbrecht and Anne Henry Polytype pure  \$sp^2\$ -BN thin films as dictated by the substrate crystal structure](#)  
[Chemistry of Materials 27\(5\) \(2015\) 1640-1645](#) **IF: 9.407**

[Damian M. Holzapfel, Zsolt Czigány, Anders O. Eriksson, Mirjam Arndt and Jochen M. Schneider Thermal stability of macroparticles in  \$Ti\_{0.27}Al\_{0.21}N\_{0.52}\$  coatings](#)  
[Applied Surface Science 553 \(2021\) 149527](#) **IF: 6.182 (2019)**