

## **List of Publications as of (1 November 2018)**

- (1) MJNV Prasad, P Ghosh, AH Chokshi, *Synthesis, Thermal stability and Mechanical Behavior of Nano-Nickel*, **Journal of IISc**, vol 89 (2009) 43
- (2) NH Warthi, P Ghosh, AH Chokshi, *Approaching theoretical strengths by synergistic internal and external size refinement*, **Scripta Materialia**, 68 (2013) 225
- (3) S Rajaraman, KN Jonnalagadda, P Ghosh, *Indentation and dynamic compression experiments on microcrystalline and nanocrystalline nickel*, **Dynamic Behavior of Materials**, Volume 1, 157-163.
- (4) P Ghosh, AH Chokshi, *Size Effects on Strength in the Transition from Single-to-Polycrystalline Behavior*, **Met. Mater. Trans A**, 46A (2015) 5671
- (5) S Ageepati, P Ghosh, AH Chokshi, *Microstructure evolution and strength variability in microwires*, **Mater. Sci. Eng. A**, 652 (2016) 239
- (6) P Ghosh, O Renk, R Pippan, *Microtexture analysis of restoration mechanism during HPT of pure nickel*, **Mater. Sci. Eng. A**, 684 (2017) 101
- (7) J Liu *et al.*, *Correlative characterization on microstructure evolution of Ni-based K403 alloy during thermal exposure*, **Acta Mater.**, 131 (2017) 169
- (8) O Renk, P Ghosh, R Pippan, *Generation of extreme grain aspect ratio in severely deformed tantalum at elevated temperatures*, **Scripta Mater.**, 137 (2017) 60
- (9) KS Kormout, P Ghosh, V Maier-Kiener, R Pippan, *Deformation mechanisms during severe plastic deformation of a Cu-Ag composite*, **J. Alloy Compounds**, 695 (2017) 2285
- (10) P Ghosh, SV Petegem, HV Swygenhoven, AH Chokshi, *An in-situ synchrotron study on microplastic flow of electrodeposited nanocrystalline nickel*, **Mater. Sci. Eng. A**, 701 (2017) 101
- (11) P Ghosh, KS Kormout, R Pippan, *Role of interfaces on microstructure refinement and mechanical properties of severe plastically deformed copper and copper-silver eutectic*, Riso International conference, **IOP Conference Series: Materials Science and Engineering** 219 (2017) 012021
- (12) O Renk, P Ghosh, R Pippan, *From an understanding of structural restoration mechanisms towards a selective processing of extreme nanolamellar structures*, Riso International conference, **IOP Conference Series: Materials Science and Engineering** 219 (2017) 012037
- (13) M Kapp, O Renk, T Leitner, P Ghosh, B Yang, R Pippan, *Cyclically induced grain growth within shear bands investigated in UFG Ni by cyclic high pressure torsion*, **J Mater. Res.** 32 (2017) 4317
- (14) P Ghosh, KS Kormout, J Todt, U Lienert, J Keckes, R Pippan, *An investigation on shear banding and crystallographic texture of Ag-Cu alloys deformed by High Pressure Torsion*, **J. Mech. Eng. Sci. Part C** (DOI: [10.1177/0954406218761508](https://doi.org/10.1177/0954406218761508))
- (15) JM Rosalie, P Ghosh, J Guo, O Renk, Z Zhang, *Microstructural and texture evolution of Copper-(Chromium, Molybdenum, Tungsten) composites deformed by high-pressure-torsion*, **Int. J. Ref. Metals Hard Mater.**, 75 (2018) 137-146
- (16) KS Kormout, P Ghosh, A. Bachmaier, R Pippan, *Effect of processing temperature on the microstructural characteristics of Cu-Ag nanocomposites: From supersaturation to complete phase decomposition*, **Acta Materialia**, 154 (2018) 33-44
- (17) P Ghosh, KS Kormout, U Lienert, J Keckes, R Pippan, *Deformation characteristics of ultrafine grained and nanocrystalline iron and pearlitic steel – An in-situ synchrotron analysis*, **Acta Materialia**, 160 (2018) 22-33
- (18) N Chawake, P Ghosh, L Raman, AK Srivastav, J Eckert, RS Kottada, *Estimation of diffusivity from densification data obtained during spark plasma sintering*, **Scripta Materialia**, 161 (2019) 39-39