This is an uncomplete list of recent publications that have made use of Rigaku SmartLab diffractometer at Aalto University/ Otanano infra/ NMC

Updated: 11.4.2022

2022

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2021

Sawada, D., Nishiyama, Y., Röder, T., Porcar, L., Zahra, H., Trogen, M., ... & Hummel, M. (2021). Process-dependent nanostructures of regenerated cellulose fibres revealed by small angle neutron scattering. Polymer, 218, 123510.

Zahra, H., Sawada, D., Kumagai, S., Ogawa, Y., Johansson, L. S., Ge, Y., ... & Hummel, M. (2021). Evolution of carbon nanostructure during pyrolysis of homogeneous chitosan-cellulose composite fibers. Carbon, 185, 27-38.

Österlund, Elmeri, et al. "Stability and residual stresses of sputtered wurtzite AlScN thin films." Physical Review Materials 5.3 (2021): 035001.

2020

Österlund, Elmeri, et al. "Metalorganic chemical vapor deposition of aluminum nitride on vertical surfaces." Journal of Crystal Growth 531 (2020): 125345.

Ross, Glenn, et al. "The impact of residual stress on resonating piezoelectric devices." Materials & Design 196 (2020): 109126.

Ross, Glenn, et al. "The role of ultrafine crystalline behavior and trace impurities in copper on intermetallic void formation." ACS Applied Electronic Materials 1.1 (2018): 88-95.