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| Measurement: | Raman / PL | |
| System: | Renishaw inVia Raman spectrometer | |
| Additional setup: | Custom-made sample stage with an integrated Peltier element | |
| Measurement geometry: | Backscattering - incident beam linearly polarized - scattered light not restricted in terms of polarization | |
| Objective: | Nikon LD 50x/0.45 | |
| Grating: | 2400 + 1800 l/mm | |
| Nominal resolution: | 1.13 - 1.5 cm ⁻¹ | |
| Slit width: | 65 μm | |
| Collection mode: | extstep: | Stepwise movement of the grating to expand the full measurement range. The full PL spectra are assembled out of CCD frames obtained at the different grating positions (spectral overlap: 10 pixels). |
| Additional information: | All spectra are response corrected (RC) | |
| File labeling: | <i>Sample name _ measurement _ layer – measurement number _ laser wavelength _ grating _ collection mode _ exposure time _ laser power.txt</i> | |