**Advances in the characterization of surface engineering structures, coatings, and thin films**

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**References**

[1] M. Tkadletz, N. Schalk, R. Daniel, J. Keckes, C. Czettl, C. Mitterer, Advanced characterization methods for wear resistant hard coatings: A review on recent progress, Surf. Coat. Technol. 285 (2016) 31-46.

[2] M. Birkholz, Thin film analysis by X-ray scattering, Wiley-VCH, Weinheim, 2006.