

Generating d-Spacing-Intensity Lists from Full Profile Refinements of Raw Data

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The literature publication of traditional d-spacing-intensity (d-I) lists has decreased in recent years with the steadily increasing use of full profile refinement techniques to analyze powder diffraction data. However authors are also submitting raw powder diffraction patterns more frequently as supplemental information. In order for the ICDD to take advantage of this increase in raw data, we have established a protocol for generating traditional d-spacing-Intensity (d-I) lists from this raw data. Raw data is now being downloaded and analyzed with full profile refinement methods (Le Bail and Rietveld) with related information subsequently abstracted from the literature reference. This process will greatly increase the number of ICDD patterns published each year while maintaining the high standards put forth by the editorial process.