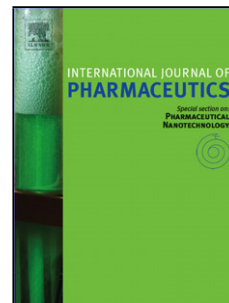


Accepted Manuscript

Title: Fast and Non-destructive Pore Structure Analysis using Terahertz Time-Domain Spectroscopy

Author: Daniel Markl Prince Bawuah Cathy Ridgway Sander van den Ban Daniel J. Goodwin Jarkko Ketolainen Patrick Gane Kai-Erik Peiponen J. Axel Zeitler



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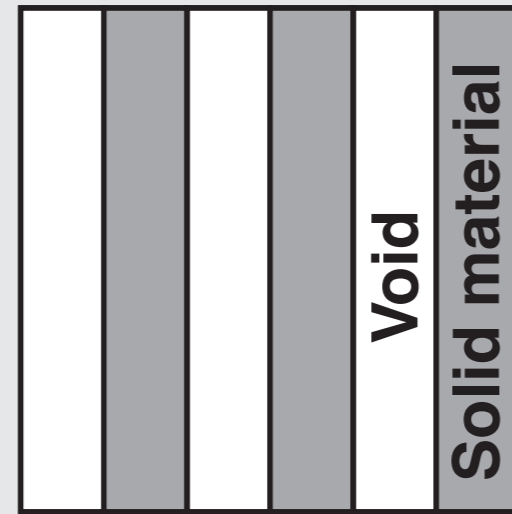
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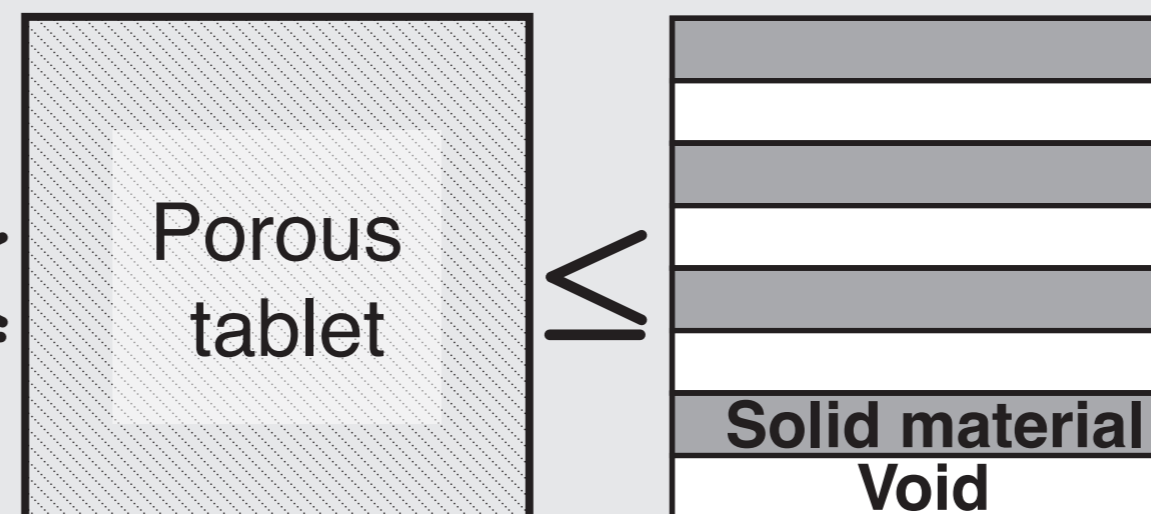
Anisotropy of Pore Structure

Extreme case:
series arrangement



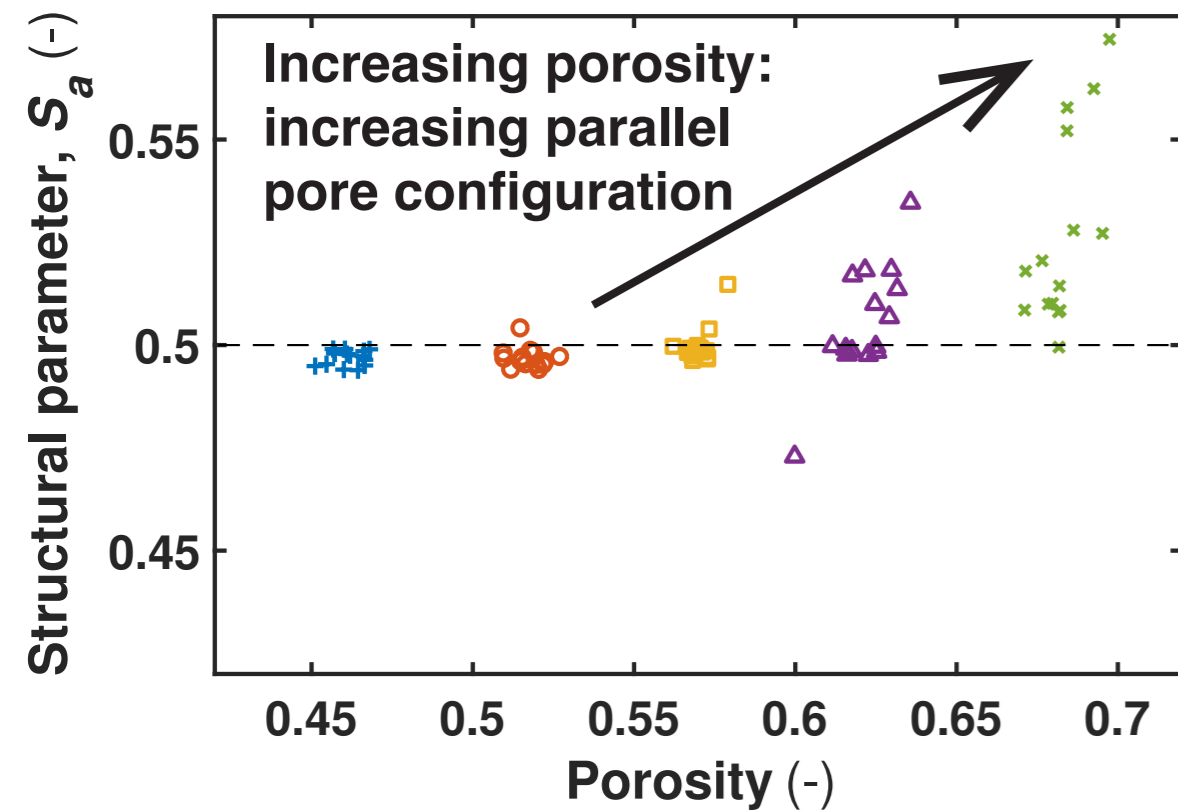
$$S_a = 0$$

Extreme case:
parallel arrangement

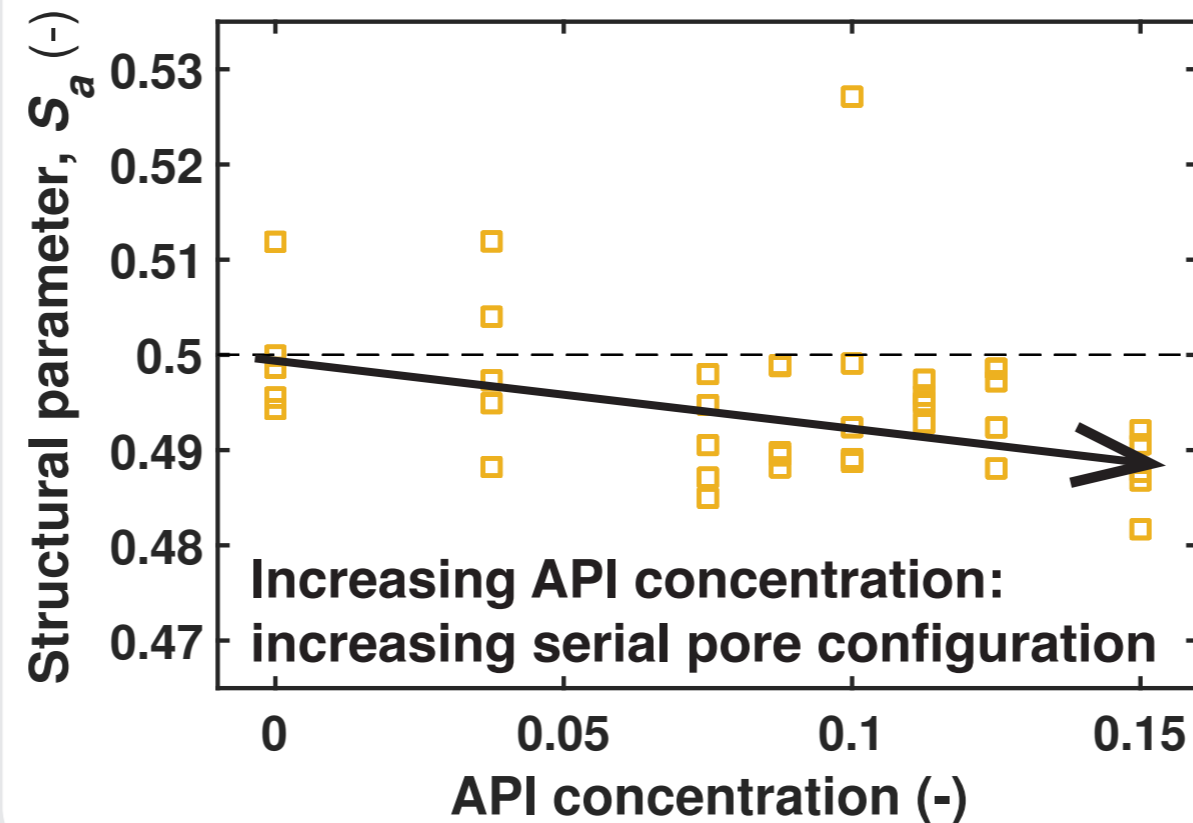


Structural parameter $S_a = 1$

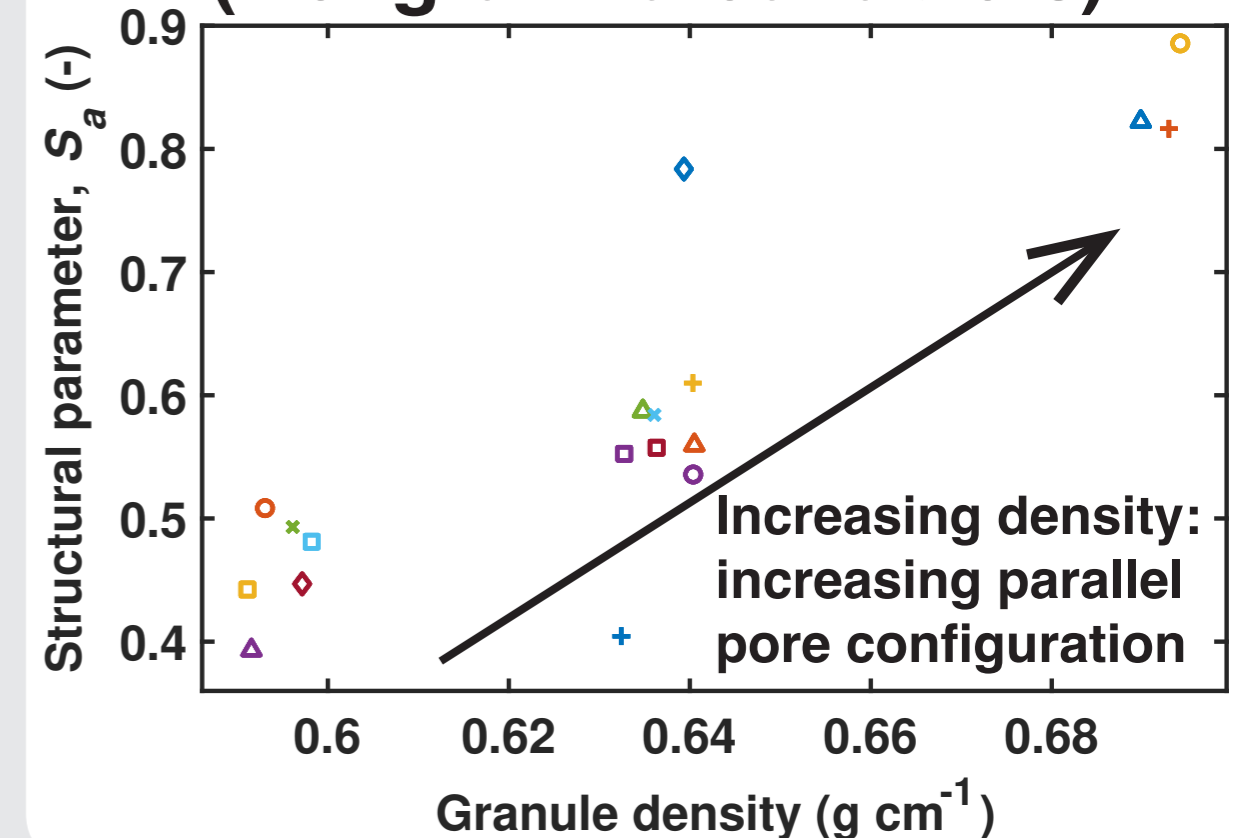
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Microcrystalline cellulose/indomethacin tablets



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