**ReadMe for Dataset for Confining the growth of mesoporous silica films into nanospaces: towards surface nanopatterning**

Paper: Confining the growth of mesoporous silica films into nanospaces: towards surface nanopatterning

Authors: Samantha Soulé, Gilles E. Moehl, Ruomeng Huang, Yasir J. Noori, Kian Shen Kiang, C. H. Kees de Groot, Richard Beanland, David C. Smith, Andrew L. Hector

Publication: Nanoscale Advances

DOI:

**Main Paper Dataset**

|  |  |
| --- | --- |
| **Figure** | **Description** |
| Figure 1a | .tif of GT-SAXS pattern |
| Figure 1b | .txt of azimuthal integration |
| Figure 1c | .tif of GT-SAXS pattern |
| Figure 1d | .txt of azimuthal integration |
| Figure 2a | .tif SEM |
| Figure 2b | .tif SEM |
| Figure 3 | .tif SEM |
| Figure 4a | .tif of GI-SAXS pattern |
| Figure 4b | .tif of GI-SAXS pattern |
| Figure 4c | .txt of GI-SAXS pattern simulation |
| Figure 4d | .tif of GI-SAXS pattern |
| Figure 4e | .txt of GI-SAXS pattern simulation |
| Figure 5a | .tif SEM |
| Figure 5b | .tif SEM |
| Figure 5c | .tif SEM |
| Figure 6 | .tif SEM |
| Figure 7 | .tif SEM |
| Figure 8a | .txt of azimuthal integration |
| Figure 8b | .txt of azimuthal integration |
| Figure 8c | .txt of azimuthal integration |

**Supplementary Information Dataset**

|  |  |
| --- | --- |
| Figure | Description |
| SI Figure 1 | .png of schematic of fabrication process |
| SI Figure 2a | .tif of GT-SAXS pattern |
| SI Figure 2b | .txt of azimuthal integration |
| SI Figure 2c | .tif of GT-SAXS pattern |
| SI Figure 2d | .txt of azimuthal integration |
| SI Figure 3a | .tif of GT-SAXS pattern |
| SI Figure 3b | .txt of azimuthal integration |
| SI Figure 3c | .tif of GT-SAXS pattern |
| SI Figure 3d | .txt of azimuthal integration |
| SI Figure 4a | .tif SEM |
| SI Figure 4b | .tif SEM |
| SI Figure 5a | .txt of horizontal and vertical linecuts |
| SI Figure 5b | .txt of horizontal and vertical linecuts |
| SI Figure 5c | .txt of horizontal and vertical linecuts |
| SI Figure 6 | .tif SEM |

Date of Collection: 15-05-2019 – 02-08-2019

Project: This work was supported by EPSRC grants EP/N035437/1, EP/K00509X/1 and EP/K009877/1.

Date that the file was created: December, 2021