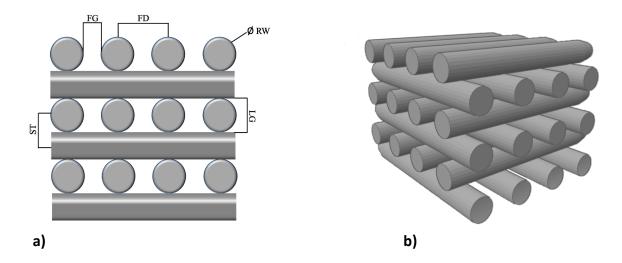
## **Supplementary Material**



**Figure S1**. (a) Schematic representation of a cross section viewed in the XZ plane of the building process (RW: road width or filament diameter; FG: filament gap; ST: slice thickness; LG: layer gap; FD: filament distance); (b) 3D illustration of the additive manufactured scaffolds characterized by a 0°/90° lay-down pattern.