Description of additional supplementary files

Bioinspired rational design of bi-material 3D printed soft-hard interfaces

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File Name: Supplementary Movie 1

Description: The mechanical behaviour of the Octo (OC) design under tensile loading conditions.

File Name: Supplementary Movie 2

Description: The mechanical behaviour of the Diamond (DI) design under tensile loading conditions.

File Name: Supplementary Movie 3

Description: The mechanical behaviour of the Gyroid (GY) design under tensile loading conditions.

File Name: Supplementary Movie 4

Description: The mechanical behaviour of the Collagen-like helices (OC) design under tensile loading conditions.

File Name: Supplementary Movie 5

Description: The mechanical behaviour of the randomly distributed Particles (PA) design under tensile loading conditions.

File Name: Supplementary Movie 6

Description: The mechanical behaviour of the Gyroid (GY) design under shear loading conditions.

File Name: Supplementary Movie 7

Description: The mechanical behaviour of the Collagen-like helices (OC) design under shear loading conditions.

File Name: Supplementary Movie 8

Description: The mechanical behaviour of the randomly distributed Particles (PA) design under shear loading conditions.

File Name: Supplementary Movie 9

Description: The mechanical behaviour of the Gyroid + Particles (GP) design under tensile loading conditions.

File Name: Supplementary Movie 10

Description: The results of the dynamic explicit FEM simulations of the Gradientless (ctrl) design under tensile loading conditions.

File Name: Supplementary Movie 11

Description: The results of the dynamic explicit FEM simulations of the Gyroid (GY) design under tensile loading conditions.

File Name: Supplementary Movie 12

Description: The results of the dynamic explicit FEM simulations of the randomly distributed Particles (PA) design under tensile loading conditions.

File Name: Supplementary Movie 13

Description: The results of the dynamic explicit FEM simulations of the Gyroid + Particles (GP) design under tensile loading conditions.

File Name: Supplementary Movie 14

Description: The results of the dynamic explicit FEM simulations of the Collagen-like helices (OC) design under tensile loading conditions.

File Name: Supplementary Movie 15

Description: The results of the photopolymer blending study, where a Gradientless (ctrl) design and no blending effects are considered.

File Name: Supplementary Movie 16

Description: The results of the photopolymer blending study, where a Gradientless (ctrl) design and blending effects are considered.

File Name: Supplementary Movie 17

Description: The results of the photopolymer blending study, where a randomly distributed Particles (PA) design and no blending effects are considered.

File Name: Supplementary Movie 18

Description: The results of the photopolymer blending study, where a randomly distributed Particles (PA) design and blending effects are considered.