Electronic Supplementary Material (ESI) for Soft Matter.

Drop impact on wet granular beds: water-content effects on the cratering

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Supplementary Information

Information for Supplementary Movie

Supplementary Movie 1: Drop impact at 4.0 m s^{-1} on a substrate composed of d_g = 50 μm, w = 0 vol % (Phase 2, the same event as that in Fig. 1a). Recorded at 10000 fps.

Supplementary Movie 2: Drop impact at 4.0 m s^{-1} on a substrate composed of d_g = 100 μm, w = 0 vol % (Phase 3, the same event as that in Fig. 1b). Recorded at 10000 fps.

Supplementary Movie 3: Drop impact at 4.0 m s^{-1} on a substrate composed of d_g = 200 μm, w = 0 vol % (Phase 4, the same event as that in Fig. 1c). Recorded at 10000 fps.

Supplementary Movie 4: Drop impact at 4.0 m s^{-1} on a substrate composed of d_g = 400 μm, w = 0 vol % (Phase 4, the same event as that in Fig. 1d). Recorded at 10000 fps.

Supplementary Movie 5: Drop impact at 4.0 m s^{-1} on a substrate composed of d_g = 50 μm, w = 2.5 vol % (Phase 1, the same event as that in Fig. 1e). Recorded at 10000 fps.

Supplementary Movie 6: Drop impact at 4.0 m s^{-1} on a substrate composed of d_g = 100 μm, w = 2.5 vol % (Phase 2, the same event as that in Fig. 1f). Recorded at 10000 fps.

Supplementary Movie 7: Drop impact at 4.0 m s^{-1} on a substrate composed of d_g = 200 μm, w = 2.5 vol % (Phase 3, the same event as that in Fig. 1g). Recorded at 10000 fps.

Supplementary Movie 8: Drop impact at 4.0 m s^{-1} on a substrate composed of d_g = 400 μm, w = 2.5 vol % (Phase 4, the same event as that in Fig. 1h). Recorded at 10000 fps.