*Primary experimental data*

**for**

**Versatile macroscale concentration gradients of nanoparticles in soft nanocomposites**

Patricia Taladriz-Blanco1, Barbara Rother-Rutishauser1, Alke Petri-Fink1,2, and Sandor Balog1,\*

1Adolphe Merkle Institute, University of Fribourg Chemin des Verdiers 4, 1700 Fribourg, Switzerland

2Chemistry Department, University of Fribourg, Chemin du Musée 9, 1700 Fribourg, Switzerland

<https://doi.org/10.1002/smll.201905192>

Email: [sandor.balog@unifr.ch](mailto:sandor.balog@unifr.ch)

**Description of data**

**Figure 3a.** TEM images and image analysis of the gold nanoparticles.

**Figure 3b.** UV-Vis spectrum of the gold nanoparticles.

**Figure 3c**. Experimental taylorgram of the gold nanoparticles.

**Figure 3d**. Experimental taylorgram of the gold nanoparticles.

**Figure 4a.** TEM images and image analysis of the silver nanoparticles.

**Figure 4b.** TEM images and image analysis of the gold nanoparticles.

**Figure 4c**. UV-Vis spectra of the silver nanoparticles, the gold nanoparticles, and their co-dispersion.

**Figure 4d**. Experimental taylorgrams used for the analysis of the apparent hydrodynamic radius.