**Title**

Nanomagnetic Elastomers for Realizing Highly Responsive Microand Nanosystems

**Description**

This data set contains the source data of the publication: Venkataramanachar, B.B., Li, J., Islam, T.U., Wang, Y. and den Toonder, J.M.J, 2023. Nanomagnetic Elastomers for Realizing Highly Responsive Micro-and Nanosystems. Nano Letters, 23(20), pp.9203-9211.

<https://doi.org/10.1021/acs.nanolett.3c00819>. In this study, a material preparation process is reported that yields a library of nanomagnetic elastomers with high magnetic particle concentrations suitable for fabricating highly compliant submicron magnetic structures. The data are experimentally obtained with methods described in the publication.

**Format**

Publication: .pdf

Data: both in .xlsx, and .csv

**Funding**

754462 and 833214

**Organization**

TU Eindhoven, Department of Mechanical Engineering and Departmentof Applied Physics and Science Education.