



ADVANCED MATERIALS

ELASTOMER COMPOSITES

Liquid metal elastomer composite microstructure governs material properties and performance for applications that require soft, multifunctional response. In article number 2200182, Michael D. Bartlett, Eric J. Markvicka, and co-workers utilize direct ink writing 3D printing to create elastomer composites with unique liquid metal microdroplet architectures, including smooth to discrete transitions from spherical to needle-like microstructures and connected liquid metal networks.