



NANO KOREA 2024

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Hiroki KURITA has been Associate Professor at Tohoku University in Japan since 2023. His current research interests involve the nanostructure design of piezoelectric and magnetostrictive materials for energy harvesting and developing wearable devices and smart sensors. He also studies natural fiber-reinforced biodegradable polymer matrix composites (green composites). He is interested in the relationships between mechanical properties and the decomposition level of biodegradable polymer matrix composites. He tries to reveal the strengthening mechanism of cellulose nanofiber (CNF) reinforced silkworm silk fiber. He also addresses on development of high-specific-strength metal and ceramic matrix composites. He studies the three-dimensional printing of fiber-reinforced ceramic matrix composites.