

# Inorganic-organic hybrid material

Available synthesized by a simple method without using a modifier

## Overview

It is many reported that hybrid material which is composing an inorganic material and a polymer that is binding the surface of nanomaterial via modifier. On the other hand, the hybrid material has some problems such as multi-step operation and containing an impurity derived from a modifier. This technology relates to a hybrid material which can be synthesized by a simple method without using a modifier.

[Effect]

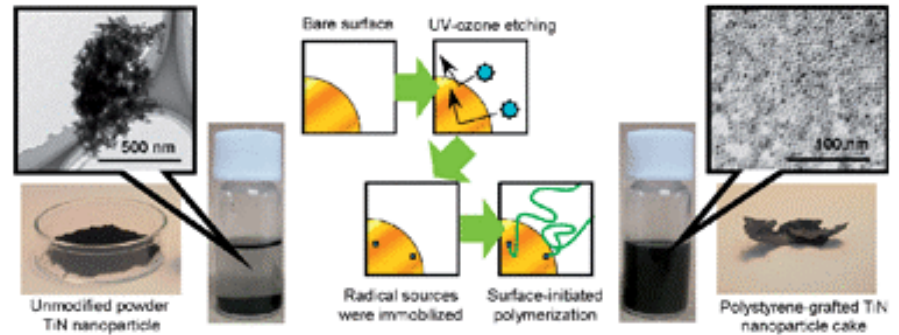
- Reaction step is reduced.
- An Inorganic material and a polymer can be mixed in any ratio.
- Many combinations of an inorganic material and a polymer.
- An Inorganic material that is difficult to disperse is also available.
- The dispersion stability in the polymer is much higher than that of conventional hybrid material.

## Product Application

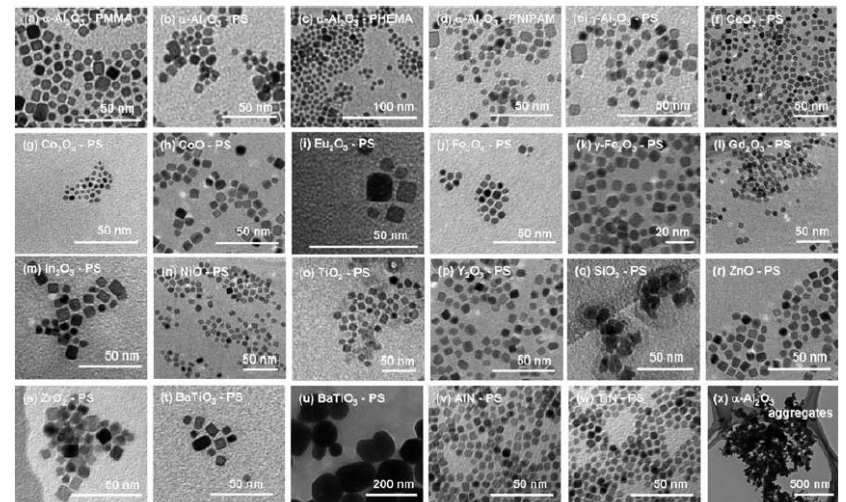
- Filler in plastic

## IP Data

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## Hybrid material without using a modifier



## Related Works

[1] Nanoscale, 2010, 2, 2073-2076

## Contact