

Macromolecular Nanostructured Materials.pdf

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Tue, 14 Aug 2018 05:38:00 GMT

In article number 1802173, Xiao-Yu Yang and co-workers present a junction of oxygen and titanium vacancies at the amorphous-anatase interface of nanostructured TiO₂ for creating what chaos theory describes as the network fabric, which results in a unique n-p electronic transmission and contributes to significant performance in photogeneration current, photocatalysis, and energy storage.

[ACS Applied Materials & Interfaces \(ACS Publications\)](#)

Thu, 23 Aug 2018 22:16:00 GMT

Journal of Nanomaterials - Hindawi Publishing Corporation

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Wed, 12 Sep 2018 20:12:00 GMT

Spontaneous Redox Approach to the Self-Assembly Synthesis of Au/CeO₂ Plasmonic Photocatalysts with Rich Oxygen Vacancies for Selective Photocatalytic Conversion of Alcohols

[Layer by layer - Wikipedia](#)

Fri, 14 Sep 2018 17:18:00 GMT

Layer-by-layer (LbL) deposition is a thin film fabrication technique. The films are formed by depositing alternating layers of oppositely charged materials with wash steps in between. This can be accomplished by using various techniques such as immersion, spin, spray, electromagnetism, or fluidics.

[Nanocomposite - Wikipedia](#)

Tue, 11 Sep 2018 09:44:00 GMT

Nanocomposite is a multiphase solid material where one of the phases has one, two or three dimensions of less than 100 nanometers (nm), or structures having nano-scale repeat distances between the different phases that make up the material.. The idea behind Nanocomposite is to use building blocks with dimensions in nanometre range to design and create new materials with unprecedented ...

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