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Publications - Yury Gogotsi

Nanowire arrays of SnS/SnS₂ heterojunctions are grown on transparent indium tin oxide (ITO) coated-glass and Si/SiO₂ substrates via chemical vapor transport (CVT). The nanowire arrays are comprised of individual SnS/SnS₂ heterostructures that are highly oriented with their lengths and morphologies controlled by the CVT conditions (i.e. reaction temperature, flow rate, and reaction time).

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Semiconductor - Wikipedia

Vanillin Assisted Synthesis of Co₃O₄ Nanostructures for the Development of Sensitive and Selective Peptide Biosensor Sumbul Saeed, Muhammad Rafiq, Qurrat-ul-Ain Baloach, Syed Habib Ahmed Naqvi, Aneela Tahira, Humaira Khain,

SENSOR LETTERS - American Scientific Publishers

A hierarchical core double-shell Ti-doped LiMnPO₄@NaTi₂(PO₄)₃@C/3D-G architecture is smartly constructed via in situ synthetic methodology, and exhibits outstanding rate capability and superior cyclic stability for advanced lithium-ion batteries as a competitive cathode, benefiting from synergetic contributions from the integrated design rationales.

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Science of Advanced Materials

Fabrication of TiO₂ (B)/Anatase Heterophase Junctions at High Temperature via Stabilizing the Surface of TiO₂ (B) for Enhanced Photocatalytic Activity

The Journal of Physical Chemistry C (ACS Publications)

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Metalloid - Wikipedia

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