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Pressure-induced amorphization in single-crystal Ta₂O₅ nanowires: a kinetic mechanism and improved electrical conductivity

DOI: 10.1021/ja407108u

Journal of the American Chemical Society, 2013, 135, 13947-53

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#	Paper	IF	Citations
58	Determination of Oxygen-Reduction-Reaction Active Sites of Tantalum Oxide-based Cathodes Used for Polymer Electrolyte Fuel Cells. <i>Fuel Cells</i> , 2014 , 14, 769-774	2.9	5
57	Pressure-induced amorphization in orthorhombic Ta ₂ O ₅ : An intrinsic character of crystal. <i>Journal of Applied Physics</i> , 2014 , 115, 193512	2.5	9
56	Enhanced electron transport in Nb-doped TiO ₂ nanoparticles via pressure-induced phase transitions. <i>Journal of the American Chemical Society</i> , 2014 , 136, 419-26	16.4	139
55	Raman and ab initio investigation of negative thermal expansion material TaVO ₅ : Insights into phase stability and anharmonicity. <i>Journal of Applied Physics</i> , 2015 , 117, 235902	2.5	18
54	Pressure-Induced Reversible Phase Transformation in Nanostructured Bi ₂ Te ₃ with Reduced Transition Pressure. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 3843-3848	3.8	25
53	Compression-induced deformation of individual metal-organic framework microcrystals. <i>Journal of the American Chemical Society</i> , 2015 , 137, 1750-3	16.4	53
52	Amorphization and thermal stability of aluminum-based nanoparticles prepared from the rapid cooling of nanodroplets: effect of iron addition. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 6511-22	3.6	9
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- 2 Supercritical CO₂-Induced Amorphization in 2D Materials: Mechanism and Applications.
- 1 Supercritical CO₂-Induced Amorphization in 2D Materials: Mechanism and Applications.