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Sommario/riassunto	Addressing a critical growth area in materials science, this volume features papers presented at the 2012 International Conference on 3D Materials Science, organized by The Minerals, Metals & Materials Society (TMS). With the top researchers in the world assessing the state-of-the-art within the various elements of three-dimensional materials science, this collection provides the premier forum for authoritative presentations on all aspects of the science, including characterization, visualization, quantitative analysis, modeling, and investigation of structure-property relationships of materials.