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INVESTIGATIONS ON SOME PURE AND DOPED (Na₂-XLiTi₃O₇)

By Dr. Dharmendra Pal

VDM Verlag Jun 2011, 2011. Taschenbuch. Book Condition: Neu. 220x150x4 mm. This item is printed on demand - Print on Demand Neuware - In assessing the possibilities of high ionic conduction needed for battery application various Li containing materials particularly those with structural arrangements containing tunnels or diffusion paths have been examined. Alkali titanates with unique layered and tunnel crystal structure have very good physico-chemical properties, such as optical properties, ionic and electronic conductivities, have been investigated on account of their application in the industries as ion exchangers, electrode for secondary batteries, filters, reinforcements, heat insulators and catalysts. Due to cation exchange property, some of alkali titanates are under consideration to protect environment from the lethal radiation of highly radioactive wastes. A sodium titanate material, mono-sodium titanate serves as the base line material at the Savannah River site USA for strontium and actinide separations from HLW-solutions. In Oak Ridge National Laboratory sodium titanate is used as sorbent material to decontaminate ground water from Sr90 and Cs137. Infrared sensors, which are used in night vision device, may be designed using information from pyro electric investigations of these ceramic materials. 68 pp. Englisch.



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This ebook is definitely not straightforward to start on looking at but really enjoyable to learn. It usually will not charge excessive. It is extremely difficult to leave it before concluding, once you begin to read the book.

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Great eBook and useful one. it was actually writtern really completely and useful. You are going to like the way the article writer publish this publication.

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