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Sommario/riassunto	The 26 peer-reviewed papers collected here together offer a plenitude of up-to-date information on ""Materials Challenges for Future Nuclear Fission and Fusion Technologies"". The papers are conveniently arranged into MATERIALS CHALLENGES FOR FUTURE NUCLEAR FISSION AND FUSION TECHNOLOGIES, Low Activation Structural Materials for Nuclear Fusion Systems, Functional, Cladding and Fuel Materials for Nuclear Fission Reactors, Radiation Effects, MATERIALS TECHNOLOGY FOR NUCLEAR WASTE TREATMENT AND DISPOSAL. This special volume

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