

Recent Trend of Research and Development on Materials for Railway Facilities

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The research and development on materials for railway facilities is as important as that on design and construction. The material technology contributes not only to high-efficiency, high-performance and high economical performance, but also to a low environmental load and energy saving. The introduction of new materials, such as nano-materials and superconducting materials, is essential for railway area to promote innovative changes in the railway facilities. The contribution of the material technology is expected in many researches and development fields of the railway facilities in the coming 20 years outlook.