

Recent Trend of Research and Development on Materials for Railway

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The research and development on railway materials should be focused not only on the aspect of high-efficiency, high-performance and high economical performance as up to now, but also on ecological performance, such as a low environmental load and energy saving. The introduction of new materials, such as eco-materials and nano-materials are essential for railway area to promote innovative changes in the railway field. The contribution of the material technology is expected in a lot of research and development fields of the railway in the coming 20 years outlook.