

Yue L, Wang L, Han J (2010) Effects of rare earth on inclusions and corrosion resistance of 10PCuRE weathering steel. *J Rare Earths* 28(6):952-956. Article CAS Google ...

The effects of rare earth elements on the corrosion properties of low-carbon steel and weathering steel were investigated. To elucidate the roles of rare earth elements (Ce ...

Weathered granite of ion-adsorption rare earth elements (REEs) ore collected at Jiangxi Province, China was investigated to identify the minerals abundant in REEs. The ...

The effects of different contents of rare earth (RE) elements Ce and La on the corrosion behavior of weathering steel Q355NHq were investigated with alternate immersion ...

At present, a significant portion of rare-earth elements (REEs) are sourced from weathering profiles. The mineralogy of the protolith plays an important role in controlling the fate of REEs ...

In order to achieve the effective use of resources and the maximum conversion rate of photovoltaic energy, this project designs a fixed adjustable photovoltaic bracket ...

Rare earth elements plot within the conserved element field (Fig. 13B), with the middle rare earth elements (MREEs), including Sm, Eu, Gd, Tb, and Dy, showing the greatest ...

In this work the initial stages of the pitting corrosion in Q460NH weathering steel in a marine environment was studied. To elucidate the effects of inclusions modified by rare ...

In this study, a high-strength, offshore platform steel, EH420, was used as the original steel. By observing the original austenite morphology, the corrosion resistance of three ...

1. Introduction. High carbon chromium bearing steel has been widely used in the manufacture of the bearing ring and rolling elements due to its high level of hardness and ...

Yue et al. studied the corrosion mechanism of 10PCuRE weathering steel and demonstrated that the addition of a specific amount of rare earth improved the corrosion ...

Yue Lijie et al studied the effect of 0-210ppmre on the corrosion resistance of weathering steel and found that rare earth elements can inhibit long MnS inclusions, form ...

## Rare earth weathering steel photovoltaic bracket

A study of two typical red soil profiles, Gumu (GM-limestone) and Sanjiacun (SJC-dolomite) was conducted at Yunnan-Guizhou Plateau, China. The study employed ...

This study has focused on the morphology and distribution of inclusions and precipitates modified by rare earth (RE) elements, which has a decisive influence on ...

Spring steel is an indispensable basic part manufacturing material in mechanical equipment, which is widely used in transportation tools such as automobiles, railways, ...

This study developed an 800 MPa grade ultrahigh-strength titanium microalloy weathering steel for photovoltaic support with yield and tensile strengths of 869 MPa and 956 ...

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