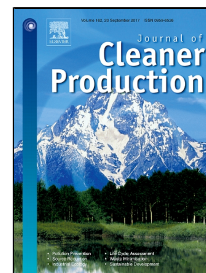


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Recycling Steel Wastewater Sludges as Raw Materials for Preparing Lightweight Aggregates

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1 Amount of words for this document is 7240.

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4 **Abbreviations**

5 CLSM: controlled low strength material

6 ESEM: environmental scanning electron microscope

7 LCCMRW: leaching characteristics of construction materials recycled from wastes

8 LWA: lightweight aggregate

9 S1: sludge-1 (stainless steel sludge)

10 S1_aC_b: pellet consisting of a% sludge-1 and b% clay

11 S2: sludge-2 (carbon steel sludge)

12 S2_aC_b: pellet consisting of a% sludge-2 and b% clay

13 TCLP: toxicity characteristic leaching procedure

14 TG/DTA: Thermogravimetry and differential thermal analysis

15 XRD: x-ray diffraction

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