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Shear-enhanced compaction-solution bands in quartz-rich calcarenites of the Cotiella Massif (Spanish Pyrenees)

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1 **Shear-enhanced compaction-solution bands in quartz-rich calcarenites of the**
2 **Cotiella Massif (Spanish Pyrenees)**

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12 Spain.

13 **Highlights:**

14 Hybrid compaction-solution bands due to coeval chemical and mechanical compaction

15 Conjugate sets of bands form an angle of 45° with the shortening directions

16 Bands display little shearing and no cataclastic fabric

17 The studied bands are classified as shear-enhanced compaction bands

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19 **Keywords:** shear-enhanced compaction bands; hybrid compaction-dissolution bands,
20 soft-sediment deformation, layer-parallel shortening; Pyrenees

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