## **Accepted Manuscript**

On Uniqueness of Sparse Signal Recovery

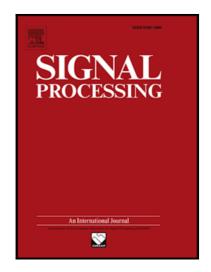
Xiao-Li Hu, Jiajun Wen, Wai Keung Wong, Le Tong, Jinrong Cui

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#### ACCEPTED MANUSCRIPT

### Highlights

- The l0-norm-based condition is proposed for the uniqueness of sparse signal recovery.
- The l1-norm-based condition is proposed for the uniqueness of sparse signal recovery.
- The analysis of the l1-norm-based condition is given using the geometric explanation.
- The minimal uniqueness conditions for l0 and l1-based frameworks are analyzed.
- The simulation verifies the effectiveness of the proposed conditions.



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