

## Accepted Manuscript

Virtual Dictionary based Kernel Sparse Representation for Face Recognition

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PII: S0031-3203(17)30398-9  
DOI: [10.1016/j.patcog.2017.10.001](https://doi.org/10.1016/j.patcog.2017.10.001)  
Reference: PR 6313



To appear in: *Pattern Recognition*

Received date: 3 June 2016  
Revised date: 30 September 2017  
Accepted date: 3 October 2017

Please cite this article as: Zizhu Fan , Da Zhang , Xin Wang , Qi Zhu , Yuanfang Wang , Virtual Dictionary based Kernel Sparse Representation for Face Recognition, *Pattern Recognition* (2017), doi: [10.1016/j.patcog.2017.10.001](https://doi.org/10.1016/j.patcog.2017.10.001)

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## **Highlights**

- KCDVD can automatically yield virtual dictionary used to represent the samples.
- KCDVD can effectively address the undersampling problem in face recognition.
- KCDVD exploits the coordinate descent scheme to solve the representation models.
- KCDVD is easy to implement and is much faster than other similar methods.
- KCDVD outperforms many state-of-the-art classification methods.

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