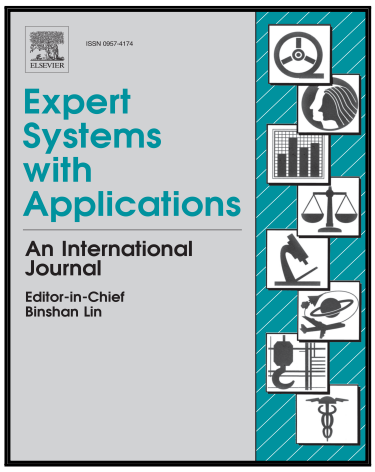

Bearing faults diagnosis using fuzzy expert system relying on an improved range overlaps and similarity method

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Highlights

- We used wavelet packet coefficients to extract features from faulty bearings.
- We proposed an Improved Range Overlap's method for feature selection.
- The reduced feature set is well-suited to build the fuzzy expert system.
- Findings on localized and distributed bearing faults.