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Infrared and visible image fusion methods and applications: A survey

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Highlights

- The IR and VIS image fusion methods and applications are comprehensively reviewed.
- The IR and VIS image registration, as a prerequisite of fusion, is briefly introduced.
- The evaluation metrics of fusion performance are discussed and summarized.
- Performances are evaluated on various real data using 18 methods and 9 metrics.
- Insightful discussions and prospects for future work are delivered.

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