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Fine-tuning Convolutional Neural Networks for Fine Art Classification

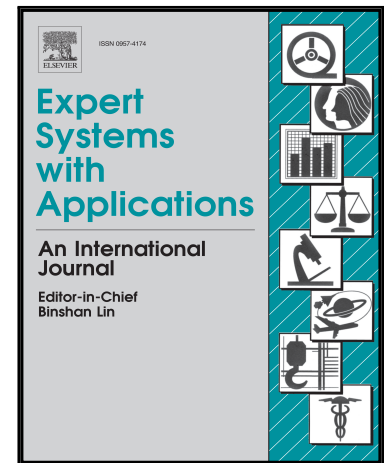
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Highlights

- We achieve state-of-the-art results for five fine art-related classification tasks
- Different convolutional neural network fine-tuning strategies are explored
- Impact of various source domain-dependent weight initialization is studied
- Networks pre-trained for scene and sentiment recognition perform best for art tasks
- Fine-tuned models can be used to retrieve images similar in style or content

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