

Author's Publications

Journal Papers

[1] Dongyun Lin, Lei Sun, Kar-Ann Toh, Jing Bo Zhang, and Zhiping Lin. Twin SVM with a reject option through ROC curve. *Journal of the Franklin Institute*, 355(4):1710 – 1732, 2018. Special Issue on Recent advances in machine learning for signal analysis and processing.

[2] Dongyun Lin, Lei Sun, Kar-Ann Toh, Jing Bo Zhang, and Zhiping Lin. Biomedical image classification based on a cascade of an SVM with a reject option and subspace analysis. *Computers in Biology and Medicine*, 96:128 – 140, 2018.

Conference Papers

[1] Dongyun Lin, Zhiping Lin, Ramraj Velmurugan, and Raimund J Ober. Automatic endosomal structure detection and localization in fluorescence microscopic images. In *Circuits and Systems (ISCAS), 2017 IEEE International Symposium on*, pages 1–4. IEEE, 2017.

[2] Dongyun Lin, Zhiping Lin, Lei Sun, Kar-Ann Toh, and Jiuwen Cao. LLC encoded BoW features and softmax regression for microscopic image classification. In *Circuits and Systems (ISCAS), 2017 IEEE International Symposium on*, pages 1–4. IEEE, 2017.

[3] Dongyun Lin, Zhiping Lin, Shakeela Sothiharan, Lei Lei, and Jingbo Zhang. An SVM based scoring evaluation system for fluorescence microscopic image classification. In *Digital Signal Processing (DSP), 2015 IEEE International Conference on*, pages 543–547. IEEE, 2015.

[4] Xu Zhang, Yunfeng Liang, Dongyun Lin, Zhiping Lin, Steven Tien Guan Thng, Emily Yiping Gan, and Evelyn Yuxin Tay. Reaction-diffusion based level set method with local entropy thresholding for melasma image segmentation. In *Control, Automation, Robotics and Vision (ICARCV), 2016 14th International Conference on*, pages 1–5. IEEE, 2016.

[5] Long D. Nguyen, Dongyun Lin, Zhiping Lin, and Jiuwen Cao. Deep CNNs for microscopic image classification by exploiting transfer learning and feature concatenation. In *Circuits and Systems (ISCAS), 2018 IEEE International Symposium on*. IEEE, Accepted, 2018.