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科研项目 [3] 国家自然科学青年基金, 24万, 2021.01-2023.12, 项目负责人

[2] 南开大学计算机学院学科振兴计划, 15万, 2020.01-20220.12, 项目负责人

[1] 南开大学青年教师启动基金, 20万, 2020.01-2021.12, 项目负责人

主要论文 (第一作者,共同一作#,通讯作者*,Google Scholar 引用 1086 次)

[14] **Jun Xu**[#], Zhi-Ang Liu[#], Ying-Kun Hou, Xian-Tong Zhen, Ling Shao, Ming-Ming Cheng*. Pixel-level Non-local Image Smoothing with Objective Evaluation. IEEE Transactions on Multimedia (**TMM**), accept, Nov. 2020. (CCF-B, SCI—区顶刊,影响因子6.051)

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- [6] **Jun Xu***, Wangpeng An, David Zhang, Lei Zhang. Sparse, Collaborative, or Nonnegative Representation: Which Helps Pattern Classification? Pattern Recognition (**PR**), vol. 88, pp. 679-688, Apr. 2019. (SCI—区顶刊, 影响因子7.196)
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- [2] Jun Xu, Lei Zhang*, Wangmeng Zuo, David Zhang, Xiangchu Feng. Patch Group Based Nonlocal Self-Similarity Prior Learning for Image Denoising. IEEE International Conference on Computer Vision (ICCV), 2015. (CCF-A, 计算机视觉顶会,谷歌引用260+次)
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- [8] Xiantong Zhen^{#*}, Haoliang Sun[#], Yingjun Du[#], **Jun Xu**, Yilong Yin, Ling Shao, Cees Snoek. Learning to Learn Kernels with Variational Random Features. The 37th International Conference on Machine Learning (**ICML**), 2020. (**CCF-A**, 机器学习顶会)
- [7] Yingjun Du, **Jun Xu**, Huan Xiong, Qiang Qiu, Xiantong Zhen*, Cees Snoek, Ling Shao. Learning to Learn with Variational Information Bottleneck for Domain Generalization. European Conference

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- on Computer Vision (ECCV), Aug. 2020. (CCF-B, 计算机视觉顶会)
- [6] Qi Han[#], Kai Zhao[#], **Jun Xu**, Ming-Ming Cheng^{*}. Deep Hough Transform for Semantic Line Detection. European Conference on Computer Vision (**ECCV**), Aug. 2020. (**CCF-B**, 计算机视觉 顶会)
- [5] Zhao Zhang[#], Wen-Da Jin[#], **Jun Xu**, Ming-Ming Cheng^{*}. Gradient-Induced Co-Saliency Detection. European Conference on Computer Vision (**ECCV**), Aug. 2020. (**CCF-B**, 计算机视觉顶会)
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- [3] Wangpeng An, Haoqian Wang, Qingyun Sun, **Jun Xu**, Lei Zhang*, Qionghai Dai. A PID Controller Approach for Stochastic Optimization of Deep Networks. IEEE Computer Vision and Pattern Recognition (**CVPR**), 2018. (**CCF-A**, 计算机视觉顶会)
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奖励

- 2020年第22届中国国际工业博览会高校展区特等奖(南开大学),项目组核心成员
- 旷视人工智能开源大赛全国第四名(共108个团队参赛),队长

会议程序委员/ 审稿人

会议:

- CVPR 2021, 2020, 2019
- ICCV 2019
- ECCV 2020
- AAAI 2020, 2019
- IJCAI 2019
- MICCAI 2019
- WACV 2021
- ACCV 2018, 2016
- ,..

期刊:

- IEEE Transactions on Neural Networks and Learning Systems (TNNLS)
- IEEE Transactions on Image Processing (TIP)
- IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)
- IEEE Transactions on Cybernetics (TCYB)
- IEEE Transactions on Multimedia (TMM)
- International Journal of Computer Vision (IJCV)

- SIAM Journal on Imaging Sciences (SIIMS)
- Pattern Recognition (PR)
- ...