

- 448–455.
- 20 Zhao X, Ding G, Guo Y, Han J, & Gao Y. TUCH: Turning cross-view hashing into single-view hashing via generative adversarial nets. Proceedings of the 26th International Joint Conference on Artificial Intelligence. Melbourne, VIC, Australia. 2017. 3511–3517.
- 21 Peng YX, Qi JW. CM-GANs: Cross-modal generative adversarial networks for common representation learning. ACM Transactions on Multimedia Computing, Communications, and Applications, 2019, 15(1): 1–24.
- 22 Wu AC, Zheng WS, Yu HX, *et al.* RGB-infrared cross-modality person re-identification. Proceedings of 2017 IEEE International Conference on Computer Vision. Venice, Italy. 2017. 5380–5389.
- 23 Gray D, Tao H. Viewpoint invariant pedestrian recognition with an ensemble of localized features. Proceedings of the 10th European Conference on Computer Vision. Marseille, France. 2008. 262–275.
- 24 Li W, Zhao R, Xiao T, *et al.* Deepreid: Deep filter pairing neural network for person re-identification. Proceedings of 2014 IEEE Conference on Computer Vision and Pattern Recognition. Columbus, OH, USA. 2014. 152–159.
- 25 Zheng L, Shen LY, Tian L, *et al.* Scalable person re-identification: A benchmark. Proceedings of 2015 IEEE International Conference on Computer Vision. Santiago, Chile. 2015. 1116–1124.
- 26 Zheng ZD, Zheng L, Yang Y. Unlabeled samples generated by GAN improve the person re-identification baseline in vitro. Proceedings of 2017 IEEE International Conference on Computer Vision. Venice, Italy. 2017. 3754–3762.
- 27 Wei LH, Zhang SL, Gao W, *et al.* Person transfer GAN to bridge domain gap for person re-identification. Proceedings of 2018 IEEE/CVF Conference on Computer Vision and Pattern Recognition. Salt Lake City, UT, USA. 2018. 79–88.
- 28 Ye M, Lan XY, Li JW, *et al.* Hierarchical discriminative learning for visible thermal person re-identification. Proceedings of the 32nd AAAI Conference on Artificial Intelligence, the 30th Innovative Applications of Artificial Intelligence (IAAI-18), and the 8th AAAI Symposium on Educational Advances in Artificial Intelligence (EAAI-18). New Orleans, LA, USA. 2018. 7501–7508.
- 29 Dai PY, Ji RR, Wang HB, *et al.* Cross-modality person re-identification with generative adversarial training. Proceedings of the 27th International Joint Conference on Artificial Intelligence. Stockholm, Sweden. 2018. 2.
- 30 Liu HJ, Cheng J, Wang W, *et al.* Enhancing the discriminative feature learning for visible-thermal cross-modality person re-identification. Neurocomputing, 2020, 398: 11–19. [doi: [10.1016/j.neucom.2020.01.089](https://doi.org/10.1016/j.neucom.2020.01.089)]
- 31 Zhang SZ, Yang YF, Wang P, *et al.* Attend to the difference: Cross-modality person re-identification via contrastive correlation. arXiv: 1910.11656, 2019.
- 32 Hao Y, Wang NN, Gao XB, *et al.* Dual-alignment feature embedding for cross-modality person re-identification. Proceedings of the 27th ACM International Conference on Multimedia. New York, NY, USA. 2019. 57–65.
- 33 Xiang XZ, Lv N, Yu ZT, *et al.* Cross-modality person re-identification based on dual-path multi-branch network. IEEE Sensors Journal, 2019, 19(23): 11706–11713. [doi: [10.1109/JSEN.2019.2936916](https://doi.org/10.1109/JSEN.2019.2936916)]
- 34 Ye M, Wang Z, Lan XY, *et al.* Visible thermal person re-identification via dual-constrained top-ranking. Proceedings of the 27th International Joint Conference on Artificial Intelligence. Stockholm, Sweden. 2018. 2. [doi: [10.24963/ijcai.2018/152](https://doi.org/10.24963/ijcai.2018/152)]
- 35 Hao Y, Wang NN, Li J, *et al.* HSME: Hypersphere manifold embedding for visible thermal person re-identification. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33(1): 8385–8392.
- 36 Zhao YB, Lin JW, Xuan Q, *et al.* HPILN: A feature learning framework for cross-modality person re-identification. IET Image Processing, 2019, 13(14): 2897–2904. [doi: [10.1049/iet-ipr.2019.0699](https://doi.org/10.1049/iet-ipr.2019.0699)]
- 37 Ye M, Lan XY, Leng QM. Modality-aware collaborative learning for visible thermal person re-identification. Proceedings of the 27th ACM International Conference on Multimedia. Nice, France. 2019. 347–355.
- 38 Zhu YX, Yang Z, Wang L, *et al.* Hetero-center loss for cross-modality person re-identification. Neurocomputing, 2020, 386: 97–109. [doi: [10.1016/j.neucom.2019.12.100](https://doi.org/10.1016/j.neucom.2019.12.100)]
- 39 Ye M, Lan XY, Wang Z, *et al.* Bi-directional center-constrained top-ranking for visible thermal person re-identification. IEEE Transactions on Information Forensics and Security, 2019, 15: 407–419.
- 40 Zhu JY, Park T, Isola P, *et al.* Unpaired image-to-image translation using cycle-consistent adversarial networks. Proceedings of 2017 IEEE International Conference on Computer Vision. Venice, Italy. 2017. 2223–2232.
- 41 Qian XL, Fu YW, Xiang T, *et al.* Pose-normalized image generation for person re-identification. Proceedings of the 15th European Conference on Computer Vision (ECCV). Munich, Germany. 2018. 650–667.

- 42 Ge YX, Li ZW, Zhao HY, *et al.* FD-GAN: Pose-guided feature distilling GAN for robust person re-identification. Proceedings of the 32nd International Conference on Neural Information Processing Systems. Montréal, QQC, Canada. 2018. 1230–1241.
- 43 Wang ZX, Wang Z, Zheng YQ, *et al.* Learning to reduce dual-level discrepancy for infrared-visible person re-identification. Proceedings of 2019 IEEE/CVF Conference on Computer Vision and Pattern Recognition. Long Beach, CA, USA. 2019. 618–626.
- 44 Wang GA, Zhang TZ, Cheng J, *et al.* RGB-infrared cross-modality person re-identification via joint pixel and feature alignment. Proceedings of 2019 IEEE/CVF International Conference on Computer Vision. Seoul, Republic of Korea. 2019. 3623–3632.
- 45 Tekeli N, Burak Can A. Distance based training for cross-modality person re-identification. Proceedings of 2019 IEEE/CVF International Conference on Computer Vision Workshops. Seoul, Republic of Korea. 2019. 4540–4549.
- 46 Basaran E, Gokmen M, Kamasak ME. An efficient framework for visible-infrared cross modality person re-identification. arXiv: 1907.06498, 2019.
- 47 Wang GA, Yang TZ, Yang Y, *et al.* Cross-modality paired-images generation for RGB-infrared person re-identification. arXiv: 2002.04114, 2020.
- 48 Nguyen DT, Hong HG, Kim KW, *et al.* Person recognition system based on a combination of body images from visible light and thermal cameras. Sensors, 2017, 17(3): 605. [doi: [10.3390/s17030605](https://doi.org/10.3390/s17030605)]
- 49 Chen YC, Zheng WS, Lai JH, *et al.* An asymmetric distance model for cross-view feature mapping in person reidentification. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27(8): 1661–1675. [doi: [10.1109/TCSVT.2016.2515309](https://doi.org/10.1109/TCSVT.2016.2515309)]
- 50 Kang JK, Hoang TM, Park KR. Person re-identification between visible and thermal camera images based on deep residual CNN using single input. IEEE Access, 2019, 7: 57972–57984. [doi: [10.1109/ACCESS.2019.2914670](https://doi.org/10.1109/ACCESS.2019.2914670)]
- 51 罗浩, 姜伟, 范星, 等. 基于深度学习的行人重识别研究进展. 自动化学报, 2019, 45(11): 2032–2049.