* 个人简介：

肖国宝，博士/博士后，教授，福建省高层次人才（C类），IEEE Senior Member，福州大学、福建师范大学、福建农林大学、温州大学外聘硕士生导师，校学术委员会委员。主要研究方向为计算机视觉，模式识别与分析，机器学习，主持国家自然科学基金面上项目和青年基金项目各1项、省部级课题2项；已发表学术论文60余篇，其中，第一或通讯作者30余篇，包含SCI一区期刊/CCF A类顶会二十余篇；在科学出版社出版学术专著1部；排名第一授权国家发明专利9项；成果转化1项。获得福建五四青年奖章、中国图象图形学学会优秀博士学位论文奖、福州市青年科技奖、福建省自然科协优秀论文一等奖等。担任福建省人工智能学会常务理事，IEEE BDCloud 2019和PSIVT 2022大会主席。

* 研究方向：

计算机视觉，模式识别与分析，机器学习

* 代表性论文
* **期刊论文：**

1. Hanzi Wang#, **Guobao Xiao**# (Equal Contribution), Yan Yan, David Suter, Searching for representative modes on hypergraphs for robust geometric model fitting, ***IEEE Transactions on Pattern Analysis and Machine Intelligence***, 2019, 41(3), 687-711(SCI/JCR-1, TOP期刊, CCF A, IF=24.314)
2. **Guobao Xiao**, Hanzi Wang\*, Yan Yan, David Suter, Superpixel-guided two-view deterministic geometric model fitting, ***International Journal of Computer Vision,*** 2019, 127 (4), 323-339 (SCI/JCR-2, TOP期刊, CCF A, IF=13.369)
3. **Guobao Xiao**, Hanzi Wang\*, Jiayi Ma and David Suter, Segmentation by Continuous Latent Semantic Analysis for Multi-structure Model Fitting, ***International Journal of Computer Vision***, 2021, 129, 2034-2056 (SCI/JCR-2, TOP期刊, CCF A, IF=13.369)
4. **Guobao Xiao**, Jiayi Ma\*, Shiping Wang, Changwen Chen, Deterministic Model Fitting by Local-Neighbor Preservation and Global-Residual Optimization, ***IEEE Transactions on Image Processing***, 2020, 29, 8988-9001 (SCI/JCR-1, TOP期刊, CCF A, IF=11.041)
5. Linxin Zheng, **Guobao Xiao\*,** Ziwei Shi, Shiping Wang and Jiayi Ma, MSA-Net: Establishing Reliable Correspondences by Multi-Scale Attention Network, ***IEEE Transactions on Image Processing***, 2022, 31, 4598-4602 (SCI/JCR-1, TOP期刊, CCF A, IF=11.041)
6. Xin Liu, **Guobao Xiao\***, Riqing Chen\* and Jiayi Ma, PGFNet: Preference-Guided Filtering Network for Two-View Correspondence Learning, ***IEEE Transactions on Image Processing***, 2023, 32, 1367-1378 (SCI/JCR-1, TOP, CCF A, IF=11.041)
7. **Guobao Xiao**, Huan Luo, Kun Zeng, Leyi Wei and Jiayi Ma\*. Robust Feature Matching for Remote Sensing Image Registration via Guided Hyperplane Fitting, ***IEEE Transactions on Geoscience and Remote Sensing***, 2022, 60, 1-14 (SCI/JCR-1, TOP期刊, IF=8.125)
8. Tao Wang, Xuming He, Yuanzheng Cai, **Guobao Xiao**\*. Learning a Layout Transfer Network for Context Aware Object Detection, ***IEEE Transactions on Intelligent Transportation Systems***, 2020, 21(10), 4209-4224 (SCI/JCR-1, TOP期刊, IF=9.551)
9. Junwen Guo, **Guobao Xiao\***, Zhimin Tang, Shunxing Chen, Shiping Wang, and Jiayi Ma, Learning for Feature Matching via Graph Context Attention, ***IEEE Transactions on Geoscience and Remote Sensing***, 2023 (SCI/JCR-1, TOP期刊, IF=8.125)
10. **Guobao Xiao**, Shiping Wang, Han Wang and Jiayi Ma\*, Mining consistent correspondences using co-occurrence statistics, ***Pattern Recognition***, 2021, 119, 108062 (SCI/JCR-1, TOP, IF=8.518)
11. **Guobao Xiao**, Hanzi Wang\*, Taotao Lai, David Suter, Hypergraph modelling for geometric model fitting, ***Pattern Recognition***, 2016, 60: 748-760 (SCI/JCR-1, TOP期刊, IF=8.518)
12. Zhen Zhong, **Guobao Xiao\***, Shiping Wang, Leyi Wei and Xiaoqin Zhang, PESA-Net: Permutation-Equivariant Split Attention Network for correspondence learning, ***Information Fusion***, 2022, 77, 81-89 (SCI/JCR-1, TOP期刊, IF=17.564)
13. Yi Lin, Jichun Wu, **Guobao Xiao\***, Junwen Guo, Geng Chen, Jiayi Ma，BSCA-Net: Bit Slicing Context Attention network for polyp segmentation, ***Pattern Recognition***, 2022, 132, 108917 (SCI/JCR-1, TOP期刊, IF=8.518)
14. Shunxing Chen, Linxin Zheng, **Guobao Xiao\***, Zhen Zhong, Jiayi Ma, CSDA-Net: Seeking Reliable Correspondences by Channel-Spatial Difference Augment Network, ***Pattern Recognition***, 2022, 126, 108539 (SCI/JCR-1, TOP期刊, IF=8.518)
15. Ziwei Shi, **Guobao Xiao\*,** Linxin Zheng, Jiayi Ma, Riqing Chen, JRA-Net: Joint Representation Attention Network for Correspondence Learning, ***Pattern Recognition***, 2023, 135, 109180 (SCI/JCR-1, TOP期刊, IF=8.518)
16. Shiping Wang, Xincan Lin, Zihan Fang, Shide Du, **Guobao, Xiao\***, Contrastive Consensus Graph Learning for Multi-view Clustering, ***IEEE/CAA Journal of Automatica Sinica***, 2022 (SCI/JCR-1,TOP期刊, IF=7.847)
17. Ran Su, Xinyi Liu, **Guobao Xiao**\*, Leyi Wei\*, Meta-GDBP: a high-level stacked regression model to improve anticancer drug response prediction, ***Briefings in bioinformatics***, 2020, 21(3), 996–1005 (SCI/JCR-1, TOP期刊, IF=13.994)
18. Ran Su, YiXuan Huang, De-gan Zhang, **Guobao Xiao**\*, Leyi Wei\*, SRDFM: Siamese Response Deep Factorization Machine to improve anti-cancer drug recommendation, ***Briefings in bioinformatics***, 2022, 23(2), 1-11 (SCI/JCR-1, TOP期刊, IF=13.994)
19. Zhimin Tang, **Guobao Xiao**\*, Junwen Guo, Shiping Wang, Jiayi Ma, Dual-attention based Feature Aggregation Network for Infrared and Visible Image Fusion, ***IEEE Transactions on Instrumentation and Measurement (TIM)***, 2023 (SCI/JCR-2, TOP期刊, IF=5.332)
20. Jiayi Ma, Linfeng Tang, Meilong Xu and Hao Zhang, **Guobao Xiao**\*, STDFusionNet: An Infrared and Visible Image Fusion Network Based on Salient Target Detection. ***IEEE Transactions on Instrumentation and Measurement (TIM)***, 2021, 70, 1-13 (SCI/JCR-2, TOP期刊, IF=5.332)

* **会议论文：**

1. Zhen Zhong, **Guobao Xiao\***, Linxin Zheng, Yan Lu, and Jiayi Ma. T-Net: Effective Permutation-Equivariant Network for Two-View Correspondence Learning, ***in Proceedings of IEEE International Conference on Computer Vision (ICCV)***, 2021,1950-1959. (CCF A）
2. **Guobao Xiao**, Hanzi Wang\*, Yan Yan, David Suter, Superpixel-based two-view deterministic fitting for multiple-structure data, ***European Conference on Computer Vision (ECCV)***, 2016，517-533
3. Hanzi Wang, **Guobao Xiao** (Equal Contribution), Yan Yan, David Suter, Mode-seeking on hypergraphs for robust geometric model fitting, ***International Conference on Computer Vision (ICCV)***, 2015, 2902-2910

* 科研项目

1. 国家自然科学基金面上项目，62072223，基于多视图空间一致性的鲁棒模型拟合理论研究及应用，2021/01-2024/12，在研，主持
2. 国家自然科学基金青年基金项目，61702431，新型确定性模型拟合方法研究及其应用，2018/01-2020/12，结题，主持
3. 福建省自然科学基金面上项目，2020J01829,计算机视觉中鲁棒参数估计的关键问题研究，2020/08-2023/07，在研，主持
4. 综合业务网理论及关键技术国家重点实验室开放基金项目，ISN21-03，计算机视觉中参数估计算法研究及其应用，2020/04-2022/03，结题，主持
5. 中国博士后第62批基金面上项目（一等资助），基于超图的模型拟合方法研究及其在运动分割中的应用，2017/08-2018/07，结题，主持

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