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学习经历 (学士、硕士、博士):

1995.9-2000.7 山东第一医科大学, 医学影像专业, 学士
2000.8-2003.6 南方医科大学, 生物医学工程专业, 硕士
2003.8-2005.6 南方医科大学, 生物医学工程专业, 博士

工作经历:

2006.7-2008.12 南方医科大学, 讲师
2009.1-2013.12 南方医科大学, 副教授
2011.5-2012.4 英国帝国理工大学, 访问学者
2014.1 至今 南方医科大学, 教授

研究方向:

医学磁共振成像

医学图像分析

主要学术任职:

中国生物医学工程学会医学信息与控制分会, 委员

中华医学会第十四届放射学会磁共振专业委员会磁共振物理与工程学组, 委员

广东省生物医学工程学会, 医学影像专业技术委员会, 主任委员

主要获奖情况:

1、广东省技术发明二等奖, “基于多约束统一迭代模型的医学成像新技术与应用”, 第三完成人, 广东省科技厅, 2015年

2、国家技术发明二等奖, 国家科技部, “基于模糊随机建模的医学成像与图像分析新技术研究”, 第四完成人, 2007年

3、教育部提名国家科学技术发明一等奖, “fPAX的研究与应用”, 国家教育部, 第四完成人, 2005年

主要科研课题:

1、国家自然科学基金面上项目, 81871349, 腰椎量化磁敏感成像新方法及其对骨质疏松症评估价值的研究, 2019年1月—2022年12月, 57万元, 主持

2、广东省重点领域研发计划项目, 2018B030333001, 大孔径小动物介电特性断层成像系统, 2019年1月—2021年12月, 6400万元, 参与

3、国家自然科学基金海外及港澳学者合作研究项目, 61728107, 用于肝脏组织表征的多参数量化磁共振成像创新技术研究, 2018年1月—2019年12月, 18万元, 参与

4、国家自然科学基金面上项目, 61671228, 基于多b值图像联合重建的弥散磁共振成像新方法研究, 2017年1月—2020年12月, 58万元, 主持

5、广东省科技计划项目, 2017B090912006, 基于多模态影像技术的3D打印临床服务平台开发与应用示范, 2017年6月—2020年5月, 300万元(分配经费80万元), 主持(第二负责人)

6、国家科技支撑计划课题, 2015BAI01B03, 术中磁共振导航, 2015年1月—2017年12月, 249万元, 主持

7、国家自然科学基金面上项目, 81371539, 基于磁共振T2*参数的地中海贫血患者肝脏铁沉积测量新方法研究, 2014年1月—2017年12月, 65万元, 主持

代表性论文:

[1] Kaixuan Zhao, Shisi Li, Peiwei Yi, Yihao Guo, Qinqin Yu, Cuiling Zhu, Qianjin Feng, Jiang Du, Xiaodong Zhang*, [Yanqiu Feng*](#), **Detection of Gadolinium Deposition in Cortical Bone with Ultrashort Echo Time T1 Mapping: An Ex Vivo Study in a Rabbit Model**, *European Radiology (accepted)* (SCI, IF=4.101, II区)

[2] Kaixuan Zhao, Andreas Pohlmann, Qijian Feng, Yingjie Mei, Guixiang Yang, Peiwei Yi, Qianjin Feng, Wufan Chen, Lili Zhou, Ed X Wu, Erdmann Seeliger, Thoralf Niendorf, [Yanqiu Feng*](#), **Physiological system analysis of the kidney by high-temporal-resolution T2* monitoring of an oxygenation step response**, *Magnetic Resonance in Medicine* (online) (SCI, IF=4.082, II区, TOP期刊).

[3] Jian Lyu, Guixiang Yang, Yingjie Mei, Li Guo, Yihao Guo, Xinyuan Zhang, Yikai Xu, [Yanqiu Feng*](#), **Non-Gaussian Diffusion Models and T1 rho Quantification in the Assessment of Hepatic Sinusoidal Obstruction Syndrome in Rats**, *Journal of Magnetic Resonance Imaging* (online) (SCI, IF=3.954, II区)

[4] Chao Ke, Haolin Chen, Xiaofei Lv, Haojiang Li, Yun Zhang, Maodong Chen, MS, Daokun Hu, Guangying Ruan, Yu Zhang, Youming Zhang, Lizhi Liu*, [Yanqiu Feng*](#), **Differentiation Between Benign**

- and Nonbenign Meningiomas by Using Texture Analysis From Multiparametric MRI**, *Journal of Magnetic Resonance Imaging*, 51(6): 1810-1820, 2020 (SCI, IF=3.954, II区)
- [5] Qianqian Zhang, Guohui Ruan, Wei Yang, Yilong Liu, Kaixuan Zhao, Qianjin Feng, Wufan Chen, Ed X. Wu, [Yanqiu Feng*](#), **MRI Gibbs-ringing artifact reduction by means of machine learning using convolutional neural networks**, *Magnetic Resonance in Medicine*, 82(6): 2133-2145, 2019(SCI, IF=4.082, II区, TOP期刊)
- [6] Yihao Guo[#], Yanjun Chen[#], Xintao Zhang, Yingjie Mei, Peiwei Yi, Yi Wang, Qianjin Feng, Luciana La Tegola, Giuseppe Guglielmi, Xiaodong Zhang*, [Yanqiu Feng*](#), **Magnetic Susceptibility and Fat Content in the Lumbar Spine of Postmenopausal Women With Varying Bone Mineral Density**, *Journal of magnetic resonance imaging*, 49(4):1020-1028, 2019 (SCI, IF=3.954, II区)
- [7] Junying Cheng, Jijing Guan, Yingjie Mei, Lin Xu, Xiaoyun Liu, Qianjin Feng, Wufan Chen, [Yanqiu Feng*](#), **A novel phase-unwrapping method by using phase-jump detection and local surface fitting: application to Dixon water-fat MRI**, *Magnetic Resonance in Medicine*; 80(6): 2630-2640 , 2018(SCI, IF=4.082, II区, TOP期刊)
- [8] Changqing Wang, Xinyuan Zhang, Xiaoyun Liu, Taigang He, Wufan Chen, Qianjin Feng, [Yanqiu Feng*](#), **Improved Liver R2* Mapping by Pixel-wise Curve Fitting with Adaptive Neighborhood Regularization**, *Magnetic Resonance in Medicine*; 80(2): 792-80, 2018 (SCI, IF=4.082, II区, TOP期刊)
- [9] Xinyuan Zhang[#], Jie Peng, Man Xu, Wei Yang, Zhe Zhang, Hua Guo, Wufan Chen, Qianjin Feng*, Ed X. Wu*, [Yanqiu Feng*](#), **Denoise diffusion-weighted images using higher-order singular value Decomposition**, *NeuroImage*; 156:128-145, 2017. (SCI, IF=5.463, I区, TOP期刊)
- [10] Junying Cheng, Yingjie Mei, Biaoshui Liu, Jijing Guan, Xiaoyun Liu, Ed X. Wu, Qianjin Feng, Wufan Chen*, [Yanqiu Feng*](#), **A novel phase-unwrapping method based on pixel clustering and local surface fitting with application to Dixon water-fat MRI**, *Magnetic Resonance in Medicine*; 79(1): 515-528, 2018. (SCI, IF=4.082, II区, TOP期刊)
- [11] [Man Xu[#]](#), [Xiangliang Tan[#]](#), [Xinyuan Zhang](#), [Yihao Guo](#), [Yingjie Mei](#), [Qianjin Feng](#), [Yikai Xu*](#), [Yanqiu Feng*](#), **Alterations of white matter structural networks in patients with non-neuropsychiatric systemic lupus erythematosus identified by probabilistic tractography and connectivity-based analyses**, *NeuroImage: Clinical*; 13:349-360, 2017. (SCI, IF=3.857, III区)
- [12] Lin Xu, Li Guo, Xiaoyun Liu, Lili Kang, Wufan Chen, [Yanqiu Feng*](#), **GRAPPA Reconstruction with spatially varying calibration of self-constraint**, *Magnetic Resonance in Medicine*; 74(4):1057-1069, 2015. (SCI, IF=3.782, II区, TOP期刊)
- [13] Qian Zheng, [Yanqiu Feng*](#), Xiaping Wei, Meiyang Feng, Wufan Chen, Zhentai Lu, Yikai Xu, Hongwen Chen, Taigang He, **Automated interventricular septum segmentation for black-blood myocardial T2* measurement in thalassemia**, *Journal of Magnetic Resonance Imaging*; 41(5): 1242-1250, 2015. (SCI, IF=3.250, II区)
- [14] Changqing Wang, Taigang He, Xiaoyun Liu, Shouming Zhong, Wufan Chen, [Yanqiu Feng*](#), **Rapid look-up table method for noise-corrected curve fitting in the R2* mapping of iron loaded liver**, *Magnetic Resonance in Medicine*; 73(2): 865-87, 2015. (SCI, IF=3.782, II区, TOP期刊)
- [15] Xinyuan Zhang, Zhongbiao Xu, Nan Jia, Wei Yang, Qianjin Feng, Wufan Chen*, [Yanqiu Feng*](#), **Denosing of 3D magnetic resonance images by using higher-order singular value decomposition**, *Medical Image Analysis*; 19(1):75-86, 2015. (SCI, IF=4.565, I区, TOP期刊)
- [16] [Yanqiu Feng](#), Meiyang Feng, Huashuai Gao, Xinyuan Zhang, Xuegang Xin, Qianjin Feng, Wufan Chen*, Taigang He, **A novel semiautomatic parenchyma extraction method for improved MRI R2* relaxometry of iron loaded liver**, *Journal of Magnetic Resonance Imaging*; 40: 67-78, 2014. (SCI, IF=2.788, II区)
- [17] [Yanqiu Feng](#), Taigang He, Meiyang Feng, John-Paul Carpenter, Andreas Greiser, Xuegang Xin, Wufan Chen, Dudley J. Pennell, Guang-Zhong Yang, David N Firmin, **Improved pixel-by-pixel MRI R2* relaxometry by nonlocal means**, *Magnetic Resonance in Medicine*; 72:260-268, 2014. (SCI, IF=3.398, II区, TOP期刊)

- [18] [Yanqiu Feng](#), Taigang He, Peter D Gatehouse, Xinzhong Li, Mohammed Harith Alam, Dudley J Pennell, Wufan Chen*, David N Firmin, **Improved MRI R2* relaxometry of iron loaded liver with noise correction**, *Magnetic Resonance in Medicine*; 70:1765-1774, 2013. (SCI, IF=3.398, II区, TOP期刊)
- [19] [Yanqiu Feng](#), Yanli Song, Cong Wang, Xuegang Xin, Qianjin Feng, and Wufan Chen*, **Fast direct Fourier reconstruction of radial and PROPELLER MRI data using the Chirp transform algorithm on graphics hardware**, *Magnetic Resonance in Medicine*; 70:1087-1094, 2013. (SCI, IF= 3.398, II区, TOP期刊)
- [20] [Yanqiu Feng](#), Taigang He*, John-Paul Carpenter, Andrew Jabbour, Mohammed Harith Alam, Peter D Gatehouse, Andreas Greiser, Daniel Messroghli, David N Firmin, Dudley J Pennell, **In-vivo comparison of myocardial T1 with T2 and T2* in Thalassaemia major**, *Journal of Magnetic Resonance Imaging*; 38: 588-593, 2013. (SCI, IF=2.788, III区)

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