

序号	论文题目	所有作者	刊物名称	收录情况
1	A wearable augmented reality navigation system for surgical telementoring based on Microsoft HoloLens	Liu, Peng; Li, Chenmeng; Xiao, Changlin; Zhang, Zeshu; Ma, Junqi; Gao, Jian; Shao, Pengfei; Valerio, Ian; Pawlik, Timothy M; Ding, Chengbiao;	Annals of Biomedical Engineering	SCI
2	Electrohydrodynamic and Hydroelectric Effects at the Water–Solid Interface: from Fundamentals to Applications	Xu, Wanghuai; Song, Yuxin; Xu, Ronald X; Wang, Zuankai;	Advanced Materials Interfaces	SCI
3	Low-cost and high-performance data augmentation for deep-learning-based skin lesion classification	Shen, Shuwei; Xu, Mengjuan; Zhang, Fan; Shao, Pengfei; Liu, Honghong; Xu, Liang; Zhang, Chi; Liu, Peng; Zhang, Zhihong; Yao, Peng;	arXiv preprint arXiv: 2101.02353	
4	Correction: Design and fabrication of a microfluidic chip to detect tumor markers	Sun, Cuimin; You, Hui; Gao, Nailong; Chang, Jianguo; Gao, Qingxue; Xie, Yang; Xie, Yao; Xu, Ronald X;	RSC Advances	SCI
5	Single model deep learning on imbalanced small datasets for skin lesion classification	Yao, Peng; Shen, Shuwei; Xu, Mengjuan; Liu, Peng; Zhang, Fan; Xing, Jinyu; Shao, Pengfei; Kaffenberger, Benjamin; Xu, Ronald X;	arXiv preprint arXiv: 2102.01284	
6	Hyperspectral imaging method for noninvasive quantitative detection of vulvar lichen sclerosis: a pilot study	Qu, YingJie; Feng, Sui; Xu, Ronald;	Seventh Symposium on Novel Photoelectronic Detection Technology and Applications	SCI

7	Stimuli-responsive nanobubbles for biomedical applications	Xiong, Ranhua; Xu, Ronald X; Huang, Chaobo; De Smedt, Stefaan; Braeckmans, Kevin;	Chemical Society Reviews	SCI
8	Co-delivery of artemether and piperine via core-shell microparticles for enhanced sustained release	Ali, Syed Wajahat; Mangrio, Farhana Akbar; Li, Fenfen; Dwivedi, Pankaj; Rajput, Muhammad Umer; Ali, Rizwan; Khan, Muhammad Imran; Ding, Weiping; Xu, Ronald X;	Journal of Drug Delivery Science and Technology	SCI
9	Programmable dynamic interfacial spinning of bioinspired microfibers with volumetric encoding	Zhang, Ming; Wang, Shiyu; Zhu, Yuanqing; Zhu, Zhiqiang; Si, Ting; Xu, Ronald X;	Materials Horizons	SCI
10	Generation of Nonspherical Liquid Metal Microparticles with Tunable Shapes Exhibiting an Electrostatic-Responsive Performance	Wang, Shiyu; Zhu, Zhiqiang; Ma, Canzhen; Qiao, Ran; Yang, Chaoyu; Xu, Ronald X; Si, Ting;	ACS Applied Materials & Interfaces	SCI
11	Intraoperative assessment of canine soft tissue sarcoma by deep learning enhanced optical coherence tomography	Ye, Yu; Sun, Weihong William; Xu, Ronald X; Selmic, Laura E; Sun, Mingzhai;	Veterinary and comparative oncology	SCI
12	Coaxial projective imaging for sentinel lymph node mapping in melanoma	Zhang, Ru; Yang, Ruijie; Lang, Zhongliang; Wu, Bingxuan; Shao, Pengfei; Liu, Peng; Zhong, Xiaohong; Contreras, Carlo M; Xu, Ronald X;	JAAD Case Reports	SCI
13	An explainable two-dimensional single model deep learning approach for Alzheimer's disease diagnosis and	Zhang, Fan; Pan, Bo; Shao, Pengfei; Liu, Peng; Shen, Shuwei; Yao, Peng; Xu, Ronald X;	arXiv preprint arXiv: 2107.13200	

	brain atrophy localization			
14	Preparation of Anisotropic Micro-Hydrogels with Tunable Structural and Topographic Features by Compound Interfacial Shearing	Zhu, Yuanqing; Fan, Rong; Zheng, Zhiyuan; Zhu, Zhiqiang; Si, Ting; Xu, Ronald X;	ACS Applied Materials & Interfaces	SCI
15	Motion robust ICG measurements using a two-step spectrum denoising method	Xie, Yao; Song, Rencheng; Yang, Dong; Yu, Honglong; Sun, Cuimin; Xie, Qilian; Xu, Ronald X;	Physiological Measurement	SCI
16	Photo-responsive Membrane for Tailored Drug Delivery with Spatially and Temporally Controlled Release	Guo, Buyun; Fan, Rong; Xue, Yue; Shuwei, Shen; Zhu, Zhiqiang; Xu, Ronald X;	Journal of Materials Chemistry B	SCI
17	A Review of Deep Learning in Medical Imaging: Imaging Traits, Technology Trends, Case Studies With Progress Highlights, and Future Promises	S. Kevin Zhou, Hayit Greenspan, Christos Davatzikos, James S. Duncan, Bram Van Ginneken, Anant Madabhushi, Jerry L. Prince, Daniel Rueckert, Ronald M. Summers	Proceedings of the IEEE	SCI
18	Marginal loss and exclusion loss for partially supervised multi-organ segmentation	Gonglei Shi, Li Xiao, Yang Chen, S. Kevin Zhou	Medical Image Analysis	SCI
19	Deep collocative learning for immunofixation electrophoresis image analysis XraySyn: Realistic view synthesis from a single radiograph through CT priors	Cheng Peng, Hao fu Liao, Gina Wong, Jiebo Luo, S. Kevin Zhou, Rama Chellappa	The 35th AAAI Conference on Artificial Intelligence	SCI

20	Label-Free Segmentation of COVID-19 Lesions in Lung CT	Qingsong Yao, Li Xiao, Peihang Liu, S. Kevin Zhou	IEEE Transactions on Medical Imaging	SCI
21	Perceptual quality assessment of chest radiograph	Mengda Guan, Yuanyuan Lyu, Wanyue Cao, Xingwang Wu, Jingjing Lu, S Kevin Zhou	International Conference on Medical Image Computing and Computer-Assisted Intervention	EI
22	Improving generalizability in limited-angle CT reconstruction with sinogram extrapolation	Ce Wang, Haimiao Zhang, Qian Li, Kun Shang, Yuanyuan Lyu, Bin Dong, S Kevin Zhou	International Conference on Medical Image Computing and Computer-Assisted Intervention	EI
23	Conditional training with bounding map for universal lesion detection	Han Li, Long Chen, Hu Han, Ying Chi, S Kevin Zhou	International Conference on Medical Image Computing and Computer-Assisted Intervention	EI
24	DA-VSR: Domain adaptable volumetric super-resolution for medical images	Cheng Peng, S Kevin Zhou, Rama Chellappa	International Conference on Medical Image Computing and Computer-Assisted Intervention	EI

25	Shallow attention network for polyp segmentation	Jun Wei, Yiwen Hu, Ruimao Zhang, Zhen Li, S Kevin Zhou, Shuguang Cui	International Conference on Medical Image Computing and Computer-Assisted Intervention	EI
26	Universal undersampled MRI reconstruction	Xinwen Liu, Jing Wang, Feng Liu, S Kevin Zhou	International Conference on Medical Image Computing and Computer-Assisted Intervention	EI
27	U-DuDoNet: Unpaired dual-domain network for CT metal artifact reduction	Yuanyuan Lyu, Jiajun Fu, Cheng Peng, S Kevin Zhou	International Conference on Medical Image Computing and Computer-Assisted Intervention	EI
28	You only learn once: Universal anatomical landmark detection	Heqin Zhu, Qingsong Yao, Li Xiao, S Kevin Zhou	International Conference on Medical Image Computing and Computer-Assisted Intervention	EI
29	One-shot medical landmark detection	Qingsong Yao, Quan Quan, Li Xiao, S Kevin Zhou	International Conference on Medical Image Computing and Computer-Assisted Intervention	EI

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