

(一) 期刊论文

序号	论文标题	教师名字（按笔划排序）	作者类型	发表期刊	期刊收录情况
1	Enhanced Intracellular Transcytosis of Nanoparticles by Degrading Extracellular Matrix for Deep Tissue Radiotherapy of Pancreatic Adenocarcinoma	王育才	通讯作者	Nano Letters	SCI
2	Glucosylated nanoparticles for the oral delivery of antibiotics to the proximal small intestine protect mice from gut dysbiosis	王育才	通讯作者	Nature Biomedical Engineering	SCI
3	Hydrogenated Oxide Material for Self-Targeting and Automatic-Degrading Photothermal Tumor Therapy in the NIR-II Bio-Window	王育才	通讯作者	Advanced Functional Materials	SCI
4	Metallic Carbonitride MXene based Photonic Hyperthermia for Tumor Therapy	王育才	通讯作者	Small	SCI
5	Nitric Oxide Induces Immunogenic Cell Death and Potentiates Cancer Immunotherapy	王育才	通讯作者	ACS Nano	SCI
6	Omicron-specific mRNA vaccine elicits potent immune responses in mice, hamsters, and nonhuman primates	王育才	通讯作者	Cell Research	SCI
7	Picotesla magnetometry of microwave fields with diamond sensors	石发展	通讯作者	Science Advances	SCI
8	Gold Nanourchins Improve Virus Targeting and Plasmonic Coupling for Virus Diagnosis on a Smartphone Platform	叶海航	通讯作者	ACS Sensors	SCI
9	A Low-Cost High-Performance Data Augmentation for Deep Learning-Based Skin Lesion	申书伟 /徐晓嵘	第一作者/ 通讯	BME Frontiers	SCI

	Classification		作者		
10	A Single Model Deep Learning Approach for Alzheimer's Disease Diagnosis	申书伟 /徐晓嵘	通讯作者	Neuroscience	SCI
11	Low-cost and high-performance data augmentation for deep-learning-based skin lesion classification	申书伟 /徐晓嵘	第一作者/ 通讯作者	BME Frontiers	SCI
12	Single model deep learning on imbalanced small datasets for skin lesion classification	申书伟 /徐晓嵘	第一作者/ 通讯作者	IEEE Transactions on Medical Imaging	SCI
13	A Nonlinear Weighted Anisotropic Total Variation Regularization for Electrical Impedance Tomography	刘东	通讯作者	IEEE Transactions on Instrumentation and Measurement	SCI
14	用于远程手术指导的同轴视觉光致变色标记系统	刘鹏	通讯作者	中国激光	EI
15	Autofluorescence detection and co-axial projection for intraoperative localization of parathyroid gland	刘鹏/ 徐晓嵘	通讯作者	BioMedical Engineering OnLine	SCI
16	Co-axial Projective Imaging for Augmented Reality Telementoring in Skin Cancer Surgery	刘鹏/ 徐晓嵘	通讯作者	Annals of biomedical engineering	SCI
17	Stereotactic co-axial projection imaging for augmented reality neuronavigation: a proof-of-concept study	刘鹏/ 徐晓嵘	第一作者/ 通讯作者	Quantitative Imaging in Medicine and Surgery	SCI
18	用于成像性能测试的荧光发光模拟系统	刘鹏/ 徐晓嵘	通讯作者	中国激光	EI
19	Biocompatible Nanotomography of Tightly Focused Light	张琪	第一作者	Nano Letters	SCI
20	Immunomagnetic microscopy of tumor tissues using quantum sensors in diamond	陈三友	第一作者	Proc Natl Acad Sci U S A	SCI
21	GAN-based disentanglement learning for chest X-ray rib suppression	周少华	通讯作者	Medical Image Analysis	SCI
22	Knowledge Matters: Chest	周少华	通讯	Medical Image	SCI

	Radiology Report Generation with General and Specific Knowledge		作者	Analysis	
23	Learning to Localize Cross-Anatomy Landmarks in X-Ray Images with a Universal Model	周少华	通讯作者	BME Frontiers	其他
24	Semi-supervised CT lesion segmentation using uncertainty-based data pairing and SwapMix	周少华	通讯作者	IEEE Transactions on Medical Imaging	SCI
25	Controlled Fabrication of Uniform Digital Nanorods from Precise Sequence-Defined Amphiphilic Polymers in Aqueous Media	胡祥龙	通讯作者	Chinese Journal of Polymer Science	SCI
26	Efficient Transient Expression of Plasmid DNA Using Poly(2-(N,N-Dimethylamino) Ethyl Methacrylate) in Plant Cells	胡祥龙	通讯作者	Frontiers in Bioengineering and Biotechnology	SCI
27	Next-Generation Nonviral Vectors for mRNA Vaccine Delivery	胡祥龙	通讯作者	Macromolecular Chemistry and Physics	SCI
28	Pulsed Laser Excited Photoacoustic Effect for Disease Diagnosis and Therapy	胡祥龙	通讯作者	Chemistry—A European Journal	SCI
29	Rationally Driven Drug Nonradiative Decay via a Label - free Polyprodrug Strategy to Renew Tumor Cascade Photothermal-Chemotherapy	胡祥龙	通讯作者	Macromolecular Rapid Communications	SCI
30	One-Step Generation of Porous GelMA Microgels by Droplet-Based Chaotic Advection Effect	秦建华	通讯作者	Advanced Materials Technologie	SCI
31	2D scanning SERS probe for early biofilm boundary determination	徐晓嵘	通讯作者	Sensors and Actuators B: Chemical	SCI
32	Combinational biomimetic microfibers for high-efficiency water collection	徐晓嵘	通讯作者	Chemical Engineering Journal	SCI
33	Combinatory electrospray and electrospinning to produce multi-layered membrane with enhanced mechanical property	徐晓嵘	通讯作者	Environmental Engineering Research	SCI

34	Emerging Application of Nanocelluloses for Microneedle Devices	徐晓嵘	通讯作者	Handbook of Nanocelluloses: Classification, Properties, Fabrication, and Emerging Applications	SCI
35	Low-cost thermal imaging with machine learning for non-invasive diagnosis and therapeutic monitoring of pneumonia	徐晓嵘	通讯作者	Infrared Physics & Technology	SCI
36	Aquatic Skin Enabled by Multi - Modality Iontronic Sensing	常煜/ 潘挺睿	通讯作者	Advanced Functional Materials	SCI
37	Ultrahigh-transparency and pressure-sensitive iontronic device for tactile intelligence	常煜/ 潘挺睿	通讯作者	NPJ FLEXIBLE ELECTRONICS	SCI
38	Label-free metabolic imaging In vivo by two-photon fluorescence lifetime endomicroscopy	梁文轩	通讯作者	ACS Photonics	SCI
39	Asymmetrical illumination enables lipid droplets segmentation in Caenorhabditis elegans using epi-illumination dark field microscopy	储开芹	通讯作者	Frontiers in Physics	SCI
40	Epi-illumination dark field microscopy enables direct visualization of unlabeled small organisms with high spatial and temporal resolution	储开芹	通讯作者	Journal of Biophotonics	SCI
41	Label-Free Imaging of Intracellular Organelle Dynamics Using Flat-Fielding Quantitative Phase Contrast Microscopy	储开芹	通讯作者	Optics Express	SCI
42	Simultaneous 3D deconvolution and halo removal for spatial light interference microscopy through a two-edge apodized Wiener filter	储开芹	通讯作者	JOSA A	SCI
43	Microfluidic Printing-Based Method for the Multifactorial	潘挺睿	通讯作者	ANALYTICAL CHEMISTRY	SCI

	Study of Cell-Free Protein Networks				
44	novel pedal musculoskeletal response based on differential spatio-temporal LSTM for human activity recognition	潘挺睿	通讯作者	Knowledge-Based Systems	SCI
45	Regional-Controlled Tissue Expanders Increase Skin Expansion and Thickness Compared to Standard Tissue Expanders in a Rat Model	潘挺睿	通讯作者	Plastic and Reconstructive Surgery	SCI
46	A bistable and reconfigurable molecular system with encodable bonds	王东方	参与	Science Advances	SCI
47	Stress in DNA Gridiron Facilitates the Formation of Two-Dimensional Crystalline Structures	王东方	参与	Journal of the American Chemical Society	SCI
48	Super-resolved Raman imaging via galvo-painted structured line illumination	刘鹏	参与	Optics Letters	SCI
49	Screening of idiopathic epiretinal membrane using fundus images combined with blood oxygen saturation and vascular morphological features	孙明斋	参与	International Ophthalmology	SCI
50	LMA-Net: A lesion morphology aware network for medical image segmentation towards breast tumors	张月	参与	Computers in Biology and Medicine	SCI
51	Federated Transfer Learning for Low-dose PET Denoising: A Pilot Study with Simulated Heterogeneous Data.	周少华	参与	IEEE Transactions on Radiation and Plasma Medical Sciences	ESCI
52	Self-supervised learning assisted diagnosis for mitral regurgitation severity classification based on color Doppler echocardiography	周少华	参与	Annals of Translational Medicine	其他
53	LE-UDA: Label-efficient unsupervised domain adaptation for medical image segmentation	周少华	参与	IEEE Transactions on Medical Imaging	SCI

54	Federated transfer learning for low-dose PET denoising: A pilot Study with simulated heterogeneous data	周少华	参与	IEEE Transactions on Radiation and Plasma Medical Sciences	ESCI
55	DuDoUFNet: Dual-domain under-to-fully-complete progressive restoration network for simultaneous metal artifact reduction and low-dose CT reconstruction	周少华	参与	IEEE Transactions on Medical Imaging	SCI
56	DuDoDR-Net: Dual-domain data consistent recurrent network for simultaneous sparse view and metal artifact reduction in computed tomography	周少华	参与	Medical Image Analysis	SCI
57	High-speed light-sheet microscopy for the in-situ acquisition of volumetric histological images of living tissue	梁文轩	参与	Nature Biomedical Engineering	SCI
58	Improving the Sensitivity of Nanofibrous Membrane-Based ELISA for On-Site Antibiotics Detection	潘挺睿	参与	ACS Sensors	SCI
59	Propagation dynamics of electrotactic motility in large epithelial cell sheets	潘挺睿	参与	ISCIENCE	SCI
60	Size-tunable droplet microfluidic system using an on-chip microfluidic peristaltic pump	潘挺睿	参与	Sensors and Actuators A-Physical	SCI
61	Wearable Iontronic FMG for Classification of Muscular Locomotion	潘挺睿	参与	IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS	SCI

(二) 会议论文

序号	论文标题	教师姓名 (按笔划 排序)	作者类型	会议名称
1	Uncertainty-Guided Lung Nodule Segmentation with Feature-Aware Attention	王秋里	通讯作者	MICCAI 2022
2	Deep Non-linear Embedding Deformation Network for Cross-modal Brain MRI Synthesis	周少华	通讯作者	ISBI 2022
3	SATr: Slice Attention with Transformer for Universal Lesion Detection	周少华	通讯作者	MICCAI 2022
4	Learning Incrementally to Segment Multiple Organs in a CT Image.	周少华	通讯作者	MICCAI 2022
5	Rib Suppression in Digital Chest Tomosynthesis.	周少华	通讯作者	MICCAI 2022
6	DuDoTrans: Dual-domain transformer for sparse view CT reconstruction. International	周少华	通讯作者	MLMIR 2022, Held in Conjunction with MICCAI 2022
7	Aggregative Self-supervised Feature Learning from Limited Medical Images	周少华	通讯作者	MICCAI 2022
8	Stabilize, Decompose, and Denoise: Self-supervised Fluoroscopy Denoising	周少华	通讯作者	MICCAI 2022
9	Which images to label for few-shot medical landmark detection?	周少华	通讯作者	CVPR 2022
10	Meta-hallucinator: Towards few-shot cross-modality cardiac image segmentation	周少华	参与	MICCAI 2022
11	Semi-supervised Pseudo-healthy Image Synthesis via Confidence Augmentation	周少华	参与	ISBI 2022
12	Weakly supervised object localization through interclass feature similarity and intra-class appearance consistency	周少华	参与	ECCV 2022

13	DeltaNet: Conditional medical report generation for COVID-19 diagnosis	周少华	参与	COLING 2022
14	BoxPolyp: Boost Generalized Polyp Segmentation Using Extra Coarse Bounding Box Annotations.	周少华	参与	MICCAI 2022
15	Towards performant and reliable undersampled MR reconstruction via diffusion model sampling	周少华	参与	MICCAI 2022
16	Undersampled MRI Reconstruction with Side Information-Guided Normalisation	周少华	参与	MICCAI 2022

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