

(一) 期刊论文

序号	论文标题	教师	作者类型	发表期刊	期刊收录情况
1	Structural Electronic Skin for Conformal Tactile Sensing	潘挺睿/ 常煜	通讯作者	Advanced Science	SCI
2	DeepEIT: Deep Image Prior Enabled Electrical Impedance Tomography	刘东	通讯/第一作者	IEEE Transactions on Pattern Analysis and Machine Intelligence	SCI
3	Deep Image Prior Based PET Reconstruction From Partial Data	刘东	通讯作者	IEEE Transactions on Radiation and Plasma Medical Sciences	SCI
4	Oxygen-releasing biomaterials for regenerative medicine	徐晓嵘	通讯作者	Journal of Materials Chemistry B	SCI, EI
5	Converting a probe-based fluorescence system into an easy-to-use adjunct for the detection of parathyroid glands accidentally resected intraoperatively	徐晓嵘/ 张如	通讯/第一作者	Langenbeck's Archives of Surgery	SCI, EI
6	Modality preserving U-Net for segmentation of multimodal medical images	徐晓嵘/ 刘鹏	通讯作者	Quantitative Imaging in Medicine and Surgery	SCI, EI
7	Multi-organ microphysiological system: A new paradigm for COVID-19 research	秦建华/ 王鹏	通讯/第一作者	Organs-on-a-Chip	SCI
8	Blood-brain barrier injury and neuroinflammation induced by SARS-CoV-2 in a lung-brain microphysiological system	秦建华/ 王鹏	通讯/第一作者	Nature Biomedical Engineering	SCI
9	Self-assembled human placental model from trophoblast stem cells in a dynamic organ-on-a-chip	秦建华/ 王亚清	通讯/第一作者	Cell Proliferation	SCI

	system				
10	Advances in human organoids-on-chips in biomedical research	秦建华/ 王亚清	通讯/ 第一作者	Life Medicine	SCI
11	Recent advances in defined hydrogels in organoid research	秦建华	通讯作者	Bioactive Materials	SCI
12	Vascularization of Engineered Organoids	秦建华	通讯作者	BMEMat	SCI
13	Advances in Skeletal Muscle Engineering in Biomedical Research	秦建华	通讯作者	Advanced Materials Technologies	SCI
14	Breaking through the basement membrane barrier to improve nanotherapeutic delivery to tumors	王育才	通讯作者	Nature Nanotechnology	SCI EI
15	Solid-state atomic hydrogen as a broad-spectrum RONS scavenger for accelerated diabetic wound healing	王育才	通讯作者	National Science Review	SCI
16	Engineering tumoral vascular leakiness with gold nanoparticles	王育才	通讯作者	Nature Communications	SCI
17	Cationic Lipids-Mediated Dual-Targeting of Both Dendritic Cells and Tumor Cells for Potent Cancer Immunotherapy	王育才	通讯作者	Advanced Functional Materials	SCI
18	Antigen-caged-adjuvant nanovaccines elicit potent humoral and cellular immune responses	王育才	通讯作者	Nano Today	SCI
19	Aged-Signal-Eliciting Nanoparticles Stimulated Macrophage-Mediated Programmed Removal of Inflammatory Neutrophils	王育才	通讯作者	ACS Nano	SCI
20	Nanomedicines with High Drug Availability and Drug Sensitivity Overcome Hypoxia-Associated Drug Resistance	王育才	通讯作者	Biomaterials	SCI
21	Ultrahigh Enzyme Loading	王育才	通讯	Small	SCI

	Metal-Organic Frameworks for Deep Tissue Pancreatic Cancer Photoimmunotherapy		作者		
22	In Situ Albumin-Hitchhiking NIR-II Probes for Accurate Detection of Micrometastases	王育才	通讯作者	Nano Letters	SCI
23	Pathogen Recognition-Driven Dendritic Cell-Specific Gene Silencing and Editing	王育才	通讯作者	Nano Letters	SCI
24	A Probabilistic Sketch for Summarizing Cold Items of Data Streams	谢希科	通讯作者	IEEE/ACM Transactions on Networking	SCI
25	Multithreading Heterogeneous Graph Aggregation	谢希科	通讯作者	IEEE Transactions on Knowledge and Data Engineering	SCI
26	Sparse and Hierarchical Transformer for Survival Analysis on Whole Slide Images	颜锐	第一作者	IEEE Journal of Biomedical and Health Informatics	SCI
27	Multi-Modal Tumor Segmentation with Deformable Aggregation and Uncertain Region Inpainting	周少华/ 张月	通讯/ 第一作者	IEEE Transactions on Medical Imaging	SCI
28	Tailored Multi-Organ Segmentation with Model Adaptation and Ensemble	张月	通讯作者	Computers in Biology and Medicine	SCI
29	Fully Printed Electrolyte-Gated Transistor Formed in a 3D Polymer Reservoir with Laser Scribed Drain/Source Electrodes	杨亮	第一作者	Advanced Materials Technologies	SCI
30	Laser Printed Microelectronics	杨亮	通讯/ 第一作者	Nature Communications	SCI
31	RNA tertiary structure modeling with BRiQ potential in CASP15	熊鹏/陈珂	通讯/ 第一作者	Proteins: Structure, Function, and Bioinformatics	SCI
32	Multi-level effective surgical workflow recognition in robotic left lateral sectionectomy with deep	周少华/ 赵上	通讯/ 第一作者	International Journal of Surgery	SCI

	learning: Experimental research				
33	TRCA-Net: Using TRCA filters to boost SSEVP classification with convolutional neural network	周少华	通讯作者	Journal of Neural Engineering	SCI
34	¹⁸ F-FDG-PET/CT-based deep learning model for fully automated prediction of pathological grading for pancreatic ductal adenocarcinoma before surgery	周少华	通讯作者	EJNMMI Research	SCI
35	Histopathological bladder cancer gene mutation prediction with hierarchical deep multiple-instance learning	周少华	通讯/第一作者	Medical Image Analysis	SCI
36	Transforming medical imaging with Transformers? A comparative review of key properties, current progresses, and future perspectives	周少华	通讯作者	Medical Image Analysis	SCI
37	Adversarial Medical Image with Hierarchical Feature Hiding	周少华	通讯作者	IEEE Transactions on Medical Imaging	SCI
38	Deep slice interpolation via marginal super-resolution, fusion, and refinement	周少华	通讯作者	Academic Press	SCI
39	Semi-supervised CT lesion segmentation using uncertainty-based data pairing and SwapMix	周少华	通讯作者	IEEE Trans. on Medical Imaging	SCI
40	Lung Nodule Segmentation and Uncertain Region Prediction with an Uncertainty-Aware Attention Mechanism	周少华/王秋里	通讯作者	IEEE Transactions on Medical Imaging	SCI
41	In situ electron paramagnetic resonance spectroscopy using single nanodiamond sensors	石发展	通讯作者	Nature Communications	SCI

42	Sub-nanotesla Sensitivity at the Nanoscale with a Single Spin	石发展	通讯作者	National Science Review	SCI
43	Digital Magnetic Detection of Biomolecular Interactions with Single Nanoparticles	石发展/ 陈三友、李万和	通讯/第一作者	Nano Letters	SCI
44	99.92%-Fidelity CNOT Gates in Solids by Noise Filtering	石发展	通讯作者	Physical Review Letters	SCI
45	Topological phononic metamaterials	蒋建华	通讯作者	Reports on Progress in Physics	SCI
46	Topological phenomena at defects in acoustic, photonic and solid-state lattices	蒋建华	通讯作者	Nature Reviews Physics	SCI
47	Hybrid topological photonic crystals	蒋建华	通讯作者	Nature Communications	SCI
48	Emergent quantum probability from full quantum dynamics and the role of energy conservation	蒋建华	通讯作者	New Journal of Physics	SCI
49	Structural insights into asymmetric activation of the calciumsensing receptor – Gq complex	田长麟	通讯作者	Cell Research	SCI
50	A Native Drug-Free Macromolecular Therapeutic to Trigger Mutual Reinforcing of Endoplasmic Reticulum Stress and Mitochondrial Dysfunction for Cancer Treatment	胡祥龙	通讯作者	ACS Nano	SCI
51	Self-Immolative Amphiphilic Poly(ferrocenes) for Synergistic Amplification of Oxidative Stress in Tumor Therapy	胡祥龙	通讯作者	Angewandte Chemie International Edition	SCI
52	Self-Amplified Cascade Degradation and Oxidative Stress Via Rational pH Regulation of Oxidation-Responsive Poly(ferrocene)	胡祥龙	通讯作者	Journal of the American Chemical Society	SCI

	Aggregates				
53	Engineering precise sequence-defined polymers for advanced functions	胡祥龙	通讯作者	Progress in Polymer Science	SCI
54	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
55	Recent Advances in DNA Origami-Engineered Nanomaterials and Applications	王东方	参与	Chemical Review	SCI
56	Domain-specific modeling and semantic alignment for image-based 3D model retrieval	张月	参与	Computers & Graphics	SCI
57	Light-triggered multi-joint microactuator fabricated by two-in-one femtosecond laser writing	杨亮	参与	Nature Communications	SCI 一区
58	FedFTN: Personalized federated learning with deep feature transformation network for multi-institutional low-count PET denoising	周少华	参与	Medical Image Analysis	SCI
59	XAI-enabled neural network analysis of metabolite spatial distributions	周少华	参与	Analytical and Bioanalytical Chemistry	SCI
60	Radiology report generation with a learned knowledge base and multi-modal alignment	周少华	参与	Medical Image Analysis	SCI
61	LE-UDA: Label-efficient unsupervised domain adaptation for medical image segmentation.	周少华	参与	IEEE Trans. on Medical Imaging	SCI
62	Observation of uniaxial strain tuned spin cycloid in a freestanding BiFeO3 film	石发展	参与	Advanced Functional Materials	SCI
63	In situ Simulation of Thermal Reality	蒋建华	参与	Research	SCI

(二) 会议论文

序号	论文标题	教师	作者类型	会议名称
1	Meta-sketch: A Neural Data Structure for Estimating Item Frequencies of Data Streams	谢希科	通讯作者	Thirty-Seventh AAAI Conference on Artificial Intelligence
2	Learn to Explore: on Bootstrapping Interactive Data Exploration with Meta-learning	谢希科	通讯作者	39th IEEE International Conference on Data Engineering
3	Approximate Indexing for Top-k Queries over Massive Spatio-textual Data Streams	谢希科	通讯作者	39th IEEE International Conference on Data Engineering-workshop
4	VR-Explorer: A Demonstration of a Virtual Reality Interactive Data Exploration System	谢希科	通讯作者	The 2023 ACM International Conference on Supporting Group Work
5	OT-Filter: An Optimal Transport Filter for Learning with Noisy Labels	谢希科	通讯作者	IEEE/CVF Conference on Computer Vision and Pattern Recognition, CVPR 2023
6	Boosting Out-of-Distribution Detection with Sample Weighting	谢希科	通讯作者	The 6th Chinese Conference on Pattern Recognition and Computer Vision
7	Multi-level Correlation Matching for Legal Text Similarity Modeling with Multiple Examples	谢希科	通讯作者	WISE2023
8	FairAdaBN: Mitigating unfairness with adaptive batch normalization and its application to dermatological disease classification	周少华	通讯作者	MICCAI 2023
9	Active CT Reconstruction with a Learned Sampling Policy	周少华	通讯作者	ACM Multimedia
10	Retrieve2Segment: Patch retrieval for performant	周少华	通讯作者	BTSD-1001AI MICCAI 2023 Workshop

	zero-shot cross-modality segmentation			
11	O2CTA: Introducing annotations from OCT to CCTA in coronary plaque analysis	周少华	通讯作者	BTSD-1001AI MICCAI 2023 Workshop
12	Label-free nuclei segmentation using intra-image self similarity	周少华	通讯作者	MICCAI 2023
13	DiffULD: Diffusive universal lesion detection	周少华	通讯作者	MICCAI 2023
14	UOD: Universal one-shot detection of anatomical landmarks	周少华	通讯作者	MICCAI 2023
15	DiffuseExpand: Expanding dataset for 2D medical image segmentation using diffusion models	周少华	通讯作者	IJCAI 2023 Workshop
16	Effective and Efficient Route Planning Using Historical Trajectories on Road Networks	谢希科	参与	VLDB 2023
17	Rethinking semi-supervised medical image segmentation: A variance-reduction perspective	周少华	参与	NeurIPS 2023
18	Unsupervised polychromatic neural representation for CT metal artifact reduction	周少华	参与	NeurIPS 2023
19	WeakPolyp: You only look bounding box for polyp segmentation	周少华	参与	MICCAI 2023