Jinman Kim

List of Publications by Year
in descending order

109	2,996	218381	189595
papers	citations	26 h-index	50 g-index

113	113	113	3157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SparseVoxNet: 3-D Object Recognition With Sparsely Aggregation of 3-D Dense Blocks. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 532-546.	7.2	0
2	Hybrid Text Representation for Explainable Suicide Risk Identification on Social Media. IEEE Transactions on Computational Social Systems, 2024, , 1-10.	3.2	6
3	Unsupervised Landmark Detection-Based Spatiotemporal Motion Estimation for 4-D Dynamic Medical Images. IEEE Transactions on Cybernetics, 2023, 53, 3532-3545.	6.2	2
4	Robust Identification of Figurative Language in Personal Health Mentions on Twitter. IEEE Transactions on Artificial Intelligence, 2023, 4, 362-372.	3.4	0
5	RHMD: A Real-World Dataset for Health Mention Classification on Reddit. IEEE Transactions on Computational Social Systems, 2023, 10, 2325-2334.	3.2	2
6	Real-time spatial normalization for dynamic gesture classification. Visual Computer, 2022, 38, 1345-1357.	2.5	8
7	ECSU-Net: An Embedded Clustering Sliced U-Net Coupled With Fusing Strategy for Efficient Intervertebral Disc Segmentation and Classification. IEEE Transactions on Image Processing, 2022, 31, 880-893.	6.0	20
8	Hyper-fusion network for semi-automatic segmentation of skin lesions. Medical Image Analysis, 2022, 76, 102334.	7.0	12
9	Fused feature signatures to probe tumour radiogenomics relationships. Scientific Reports, 2022, 12, 2173.	1.6	3
10	An attention-enhanced cross-task network to analyse lung nodule attributes in CT images. Pattern Recognition, 2022, 126, 108576.	5.1	21
11	Improving Breast Tumor Segmentation in PET via Attentive Transformation Based Normalization. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3261-3271.	3.9	2
12	Multi-task Deep Learning for Joint Tumor Segmentation and Outcome Prediction in Head and Neck Cancer. Lecture Notes in Computer Science, 2022, , 160-167.	1.0	2
13	Experimental protocol designed to employ Nd:YAG laser surgery for anterior chamber glaucoma detection via UBM. IET Image Processing, 2022, 16, 2171-2179.	1.4	4
14	Benchmarking for biomedical natural language processing tasks with a domain specific ALBERT. BMC Bioinformatics, 2022, 23, 144.	1.2	17
15	Identification of Disease or Symptom terms in Reddit to Improve Health Mention Classification. , 2022, , .		14
16	Early Identification of Depression Severity Levels on Reddit Using Ordinal Classification. , 2022, , .		21
17	Graph-Based Intercategory and Intermodality Network for Multilabel Classification and Melanoma Diagnosis of Skin Lesions in Dermoscopy and Clinical Images. IEEE Transactions on Medical Imaging, 2022, 41, 3266-3277.	5.4	5
18	DeepMTS: Deep Multi-Task Learning for Survival Prediction in Patients With Advanced Nasopharyngeal Carcinoma Using Pretreatment PET/CT. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 4497-4507.	3.9	18

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19	Enhancing medical image registration via appearance adjustment networks. NeuroImage, 2022, 259, 119444.	2.1	4
20	A New Aggregation of DNN Sparse and Dense Labeling for Saliency Detection. IEEE Transactions on Cybernetics, 2021, 51, 5907-5920.	6.2	10
21	Optic Disk and Cup Segmentation Through Fuzzy Broad Learning System for Glaucoma Screening. IEEE Transactions on Industrial Informatics, 2021, 17, 2476-2487.	7.2	38
22	Efficient Body Motion Quantification and Similarity Evaluation Using 3-D Joints Skeleton Coordinates. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2774-2788.	5.9	22
23	A Spatial Guided Self-supervised Clustering Network for Medical Image Segmentation. Lecture Notes in Computer Science, 2021, , 379-388.	1.0	9
24	Deep Cognitive Gate: Resembling Human Cognition for Saliency Detection. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	2
25	Semantic Segmentation of Cerebellum in 2D Fetal Ultrasound Brain Images Using Convolutional Neural Networks. IEEE Access, 2021, 9, 85864-85873.	2.6	11
26	Hybrid Refinement-Correction Heatmaps for Human Pose Estimation. IEEE Transactions on Multimedia, 2021, 23, 1330-1342.	5.2	28
27	The Checkpoint Program: Collaborative Care to Reduce the Reliance of Frequent Presenters on ED. International Journal of Integrated Care, 2021, 21, 29.	0.1	2
28	A Mobile App and Dashboard for Early Detection of Infectious Disease Outbreaks: Development Study. JMIR Public Health and Surveillance, 2021, 7, e14837.	1.2	7
29	Vestibule segmentation from CT images with integration of multiple deep feature fusion strategies. Computerized Medical Imaging and Graphics, 2021, 89, 101872.	3.5	9
30	Recurrent feature fusion learning for multi-modality pet-ct tumor segmentation. Computer Methods and Programs in Biomedicine, 2021, 203, 106043.	2.6	24
31	Machine Learning Algorithms, Applied to Intact Islets of Langerhans, Demonstrate Significantly Enhanced Insulin Staining at the Capillary Interface of Human Pancreatic Î² Cells. Metabolites, 2021, 11, 363.	1.3	3
32	High-parallelism Inception-like Spiking Neural Networks for Unsupervised Feature Learning. Neurocomputing, 2021, 441, 92-104.	3.5	9
33	Classifying vaccine sentiment tweets by modelling domain-specific representation and commonsense knowledge into context-aware attentive GRU. , 2021, , .		7
34	Automatic left ventricular cavity segmentation via deep spatial sequential network in 4D computed tomography. Computerized Medical Imaging and Graphics, 2021, 91, 101952.	3.5	6
35	Living Donor-Recipient Pair Matching for Liver Transplant via Ternary Tree Representation With Cascade Incremental Learning. IEEE Transactions on Biomedical Engineering, 2021, 68, 2540-2551.	2.5	6
36	COVIDSenti: A Large-Scale Benchmark Twitter Data Set for COVID-19 Sentiment Analysis. IEEE Transactions on Computational Social Systems, 2021, 8, 1003-1015.	3.2	190

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37	Digital mapping of a manual fabrication method for paediatric ankleâ€“foot orthoses. Scientific Reports, 2021, 11, 19068.	1.6	3
38	Multimodal Spatial Attention Module for Targeting Multimodal PET-CT Lung Tumor Segmentation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3507-3516.	3.9	74
39	Modified GAN-CAED to Minimize Risk of Unintentional Liver Major Vessels Cutting by Controlled Segmentation Using CTA/SPET-CT. IEEE Transactions on Industrial Informatics, 2021, 17, 7991-8002.	7.2	9
40	Supporting patients to be involved in decisions about their health and care: Development of a best practice health literacy App for Australian adults living with Chronic Kidney Disease. Health Promotion Journal of Australia, 2021, 32, 115-127.	0.6	20
41	Predicting distant metastases in soft-tissue sarcomas from PET-CT scans using constrained hierarchical multi-modality feature learning. Physics in Medicine and Biology, 2021, 66, 245004.	1.6	2
42	Cloud-Based Automated Clinical Decision Support System for Detection and Diagnosis of Lung Cancer in Chest CT. IEEE Journal of Translational Engineering in Health and Medicine, 2020, 8, 1-13.	2.2	73
43	Co-Learning Feature Fusion Maps From PET-CT Images of Lung Cancer. IEEE Transactions on Medical Imaging, 2020, 39, 204-217.	5.4	144
44	Machine learning in medical imaging. , 2020, , 167-196.		12
45	Emotion sharing in remote patient monitoring of patients with chronic kidney disease. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 185-193.	2.2	14
46	Content-based large-scale medical image retrieval. , 2020, , 321-368.		3
47	Biomedical image visualization and display technologies. , 2020, , 561-583.		1
48	Simplified non-locally dense network for single-image dehazing. Visual Computer, 2020, 36, 2189-2200.	2.5	14
49	OFF-eNET: An Optimally Fused Fully End-to-End Network for Automatic Dense Volumetric 3D Intracranial Blood Vessels Segmentation. IEEE Transactions on Image Processing, 2020, 29, 7192-7202.	6.0	37
50	Unsupervised Domain Adaptation to Classify Medical Images Using Zero-Bias Convolutional Auto-Encoders and Context-Based Feature Augmentation. IEEE Transactions on Medical Imaging, 2020, 39, 2385-2394.	5.4	27
51	Automated Decision Support System for Lung Cancer Detection and Classification via Enhanced RFCN With Multilayer Fusion RPN. IEEE Transactions on Industrial Informatics, 2020, 16, 7791-7801.	7.2	51
52	Improving PET-CT Image Segmentation via Deep Multi-modality Data Augmentation. Lecture Notes in Computer Science, 2020, , 145-152.	1.0	6
53	Unsupervised Positron Emission Tomography Tumor Segmentation via GAN based Adversarial Auto-Encoder. , 2020, , .		5
54	Telehealth for Noncritical Patients With Chronic Diseases During the COVID-19 Pandemic. Journal of Medical Internet Research, 2020, 22, e19493.	2.1	66

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55	Malocclusion Treatment Planning via PointNet Based Spatial Transformation Network. Lecture Notes in Computer Science, 2020, , 105-114.	1.0	2
56	A web-based multidisciplinary team meeting visualisation system. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 2221-2231.	1.7	4
57	An automated segmentation framework for nasal computational fluid dynamics analysis in computed tomography. Computers in Biology and Medicine, 2019, 115, 103505.	3.9	9
58	Unsupervised Deep Transfer Feature Learning for Medical Image Classification. , 2019, , .		27
59	A direct volume rendering visualization approach for serial PETâ€“CT scans that preserves anatomical consistency. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 733-744.	1.7	4
60	Convolutional sparse kernel network for unsupervised medical image analysis. Medical Image Analysis, 2019, 56, 140-151.	7.0	24
61	Decision Fusion-Based Fetal Ultrasound Image Plane Classification Using Convolutional Neural Networks. Ultrasound in Medicine and Biology, 2019, 45, 1259-1273.	0.7	38
62	An Automated Framework for Large Scale Retrospective Analysis of Ultrasound Images. IEEE Journal of Translational Engineering in Health and Medicine, 2019, 7, 1-9.	2.2	1
63	A propagation-DNN: Deep combination learning of multi-level features for MR prostate segmentation. Computer Methods and Programs in Biomedicine, 2019, 170, 11-21.	2.6	37
64	Unsupervised Two-Path Neural Network for Cell Event Detection and Classification Using Spatiotemporal Patterns. IEEE Transactions on Medical Imaging, 2019, 38, 1477-1487.	5.4	14
65	Image-Aligned Dynamic Liver Reconstruction Using Intra-Operative Field of Views for Minimal Invasive Surgery. IEEE Transactions on Biomedical Engineering, 2019, 66, 2163-2173.	2.5	11
66	Dense and Sparse Labeling With Multidimensional Features for Saliency Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1130-1143.	5.6	20
67	Reversion Correction and Regularized Random Walk Ranking for Saliency Detection. IEEE Transactions on Image Processing, 2018, 27, 1311-1322.	6.0	114
68	Development of a risk predictive scoring system to identify patients at risk of representation to emergency department: a retrospective population-based analysis in Australia. BMJ Open, 2018, 8, e021323.	0.8	6
69	Dual-Path Adversarial Learning for Fully Convolutional Network (FCN)-Based Medical Image Segmentation. Visual Computer, 2018, 34, 1043-1052.	2.5	50
70	Immersive Analytics Applications in Life and Health Sciences. Lecture Notes in Computer Science, 2018, , 289-330.	1.0	7
71	Automatic Measurement of Thalamic Diameter in 2-D Fetal Ultrasound Brain Images Using Shape Prior Constrained Regularized Level Sets. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1069-1078.	3.9	13
72	Saliency-Based Lesion Segmentation Via Background Detection in Dermoscopic Images. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1685-1693.	3.9	123

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73	High-dimensional data visualization by interactive construction of low-dimensional parallel coordinate plots. Journal of Visual Languages and Computing, 2017, 43, 1-13.	1.8	27
74	Stacked fully convolutional networks with multi-channel learning: application to medical image segmentation. Visual Computer, 2017, 33, 1061-1071.	2.5	43
75	Dermoscopic Image Segmentation via Multistage Fully Convolutional Networks. IEEE Transactions on Biomedical Engineering, 2017, 64, 2065-2074.	2.5	237
76	Automatic detection and classification of regions of FDG uptake in whole-body PET-CT lymphoma studies. Computerized Medical Imaging and Graphics, 2017, 60, 3-10.	3.5	55
77	An Ensemble of Fine-Tuned Convolutional Neural Networks for Medical Image Classification. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 31-40.	3.9	360
78	Synthesis of Positron Emission Tomography (PET) Images via Multi-channel Generative Adversarial Networks (GANs). Lecture Notes in Computer Science, 2017, , 43-51.	1.0	57
79	Remote Monitoring Systems for Chronic Patients on Home Hemodialysis: Field Test of a Copresence-Enhanced Design. JMIR Human Factors, 2017, 4, e21.	1.0	29
80	Plane identification in fetal ultrasound images using saliency maps and convolutional neural networks. , 2016, , .		22
81	Efficient visibility-driven medical image visualisation via adaptive binned visibility histogram. Computerized Medical Imaging and Graphics, 2016, 51, 40-49.	3.5	6
82	Transfer learning of a convolutional neural network for HEp-2 cell image classification. , 2016, , .		40
83	Multi-Modal Image Processing and Visualization. , 2016, , .		2
84	An intuitive Sketch-based Transfer Function Design via Contextual and Regional Labelling. , 2016, , .		0
85	Adapting content-based image retrieval techniques for the semantic annotation of medical images. Computerized Medical Imaging and Graphics, 2016, 49, 37-45.	3.5	43
86	Exploration of Virtual and Augmented Reality for Visual Analytics and 3D Volume Rendering of Functional Magnetic Resonance Imaging (fMRI) Data. , 2015, , .		4
87	A Visual Analytics Approach Using the Exploration of Multidimensional Feature Spaces for Content-Based Medical Image Retrieval. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1734-1746.	3.9	22
88	Opacity-driven volume clipping for slice of interest (SOI) visualisation of multi-modality PET-CT volumes. , 2014, 2014, 6714-7.		2
89	Efficient PET-CT image retrieval using graphs embedded into a vector space. , 2014, 2014, 1901-4.		3
90	A graph-based approach for the retrieval of multi-modality medical images. Medical Image Analysis, 2014, 18, 330-342.	7.0	35

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91	Multi-stage Thresholded Region Classification for Whole-Body PET-CT Lymphoma Studies. Lecture Notes in Computer Science, 2014, 17, 569-576.	1.0	17
92	Content-Based Medical Image Retrieval: A Survey of Applications to Multidimensional and Multimodality Data. Journal of Digital Imaging, 2013, 26, 1025-1039.	1.6	162
93	Visibility-driven PET-CT visualisation with region of interest (ROI) segmentation. Visual Computer, 2013, 29, 805-815.	2.5	21
94	Cellular automata and anisotropic diffusion filter based interactive tumor segmentation for positron emission tomography. , 2013, 2013, 5453-6.		9
95	A patient-centric distribution architecture for medical image sharing. Health Information Science and Systems, 2013, 1, 3.	3.4	6
96	Automated segmentation of tumour changes in temporal PET-CT data. , 2012, , .		4
97	Automatic Descending Aorta Segmentation in Whole-Body PET-CT Studies for PERCIST-Based Thresholding. , 2012, , .		3
98	A Graph-based approach to the retrieval of volumetric PET-CT lung images. , 2012, 2012, 5408-11.		11
99	Graph-based retrieval of multi-modality medical images: A comparison of representations using simulated images. , 2012, , .		6
100	SparkMed: A Framework for Dynamic Integration of Multimedia Medical Data Into Distributed m-Health Systems. IEEE Transactions on Information Technology in Biomedicine, 2012, 16, 40-52.	3.6	51
101	A Multistage Discriminative Model for Tumor and Lymph Node Detection in Thoracic Images. IEEE Transactions on Medical Imaging, 2012, 31, 1061-1075.	5.4	51
102	A web-based image viewer for multiple PET-CT follow-up studies. , 2011, 2011, 5279-82.		1
103	Bridging the Feature Gaps for Retrieval of Multi-Dimensional Images. International Journal of Healthcare Information Systems and Informatics, 2009, 4, 34-46.	1.0	2
104	A graph-based approach to the retrieval of dual-modality biomedical images using spatial relationships. , 2008, 2008, 390-3.		6
105	Visualizing Dual-Modality Rendered Volumes Using a Dual-Lookup Table Transfer Function. Computing in Science and Engineering, 2007, 9, 20-25.	1.2	12
106	Real-Time Volume Rendering Visualization of Dual-Modality PET/CT Images With Interactive Fuzzy Thresholding Segmentation. IEEE Transactions on Information Technology in Biomedicine, 2007, 11, 161-169.	3.6	31
107	Medical image data retrieval and manipulation through the WWW. , 0, , .		2
108	Interactive Fusion and Contrast Enhancement for Whole Body PET-CT Data Using Multi-Image Pixel Composting. , 0, , .		4

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109	Evaluation of the SUCCESS health literacy app for Australian adults with chronic kidney disease: Study protocol for a pragmatic randomised controlled trial (Preprint). JMIR Research Protocols, 0, , .	0.5	0