

# Jianxin Zhang

## List of Publications by Year in descending order

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59  
papers

796  
citations

759233

12  
h-index

677142

22  
g-index

59  
all docs

59  
docs citations

59  
times ranked

555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Attention Gate ResU-Net for Automatic MRI Brain Tumor Segmentation. IEEE Access, 2020, 8, 58533-58545.	4.2	139
2	Classification of ECG signals based on 1D convolution neural network. , 2017, , .		126
3	Risk prediction of type II diabetes based on random forest model. , 2017, , .		66
4	Breast cancer histopathological image classification using attention $\alpha$ -order deep network. International Journal of Imaging Systems and Technology, 2022, 32, 266-279.	4.1	42
5	AResU-Net: Attention Residual U-Net for Brain Tumor Segmentation. Symmetry, 2020, 12, 721.	2.2	41
6	Hyperlayer Bilinear Pooling with application to fine-grained categorization and image retrieval. Neurocomputing, 2018, 282, 174-183.	5.9	29
7	Color difference classification of solid color printing and dyeing products based on optimization of the extreme learning machine of the improved whale optimization algorithm. Textile Reseach Journal, 2020, 90, 135-155.	2.2	27
8	A novel hybrid model using the rotation forest-based differential evolution online sequential extreme learning machine for illumination correction of dyed fabrics. Textile Reseach Journal, 2019, 89, 1180-1197.	2.2	25
9	Paired Dislocations and Their Interactions with $\text{H}^2$ Particles in Polycrystalline Superalloy GH4037. Journal of Materials Engineering and Performance, 2015, 24, 143-148.	2.5	20
10	First-principles investigations on structural stability, elastic and electronic properties of $\text{Co}_7\text{M}_6$ ( $M = \text{W}, \text{Mo}, \text{Nb}$ ) $\text{Å}$ phases. Molecular Simulation, 2019, 45, 752-758.	2.0	20
11	Second-order ResU-Net for automatic MRI brain tumor segmentation. Mathematical Biosciences and Engineering, 2021, 18, 4943-4960.	1.9	20
12	Memory-Efficient Cascade 3D U-Net for Brain Tumor Segmentation. Lecture Notes in Computer Science, 2020, , 242-253.	1.3	14
13	Breast Cancer Histopathological Image Classification Based on Convolutional Neural Networks. Journal of Medical Imaging and Health Informatics, 2019, 9, 735-743.	0.3	14
14	Multi-objective optimization of thermoelectric cooler using genetic algorithms. AIP Advances, 2019, 9, .	1.3	13
15	Site preference and alloying effect of tungsten in the $\frac{1}{4}$ phase of $\text{Co}_7\text{Mo}_6$ . Philosophical Magazine Letters, 2016, 96, 1-8.	1.2	12
16	SDResU-Net: Separable and Dilated Residual U-Net for MRI Brain Tumor Segmentation. Current Medical Imaging, 2020, 16, 720-728.	0.8	12
17	SGResU-Net for brain tumor segmentation. Mathematical Biosciences and Engineering, 2022, 19, 5576-5590.	1.9	12
18	Breast Cancer Histopathological Image Classification Based on Deep Second-order Pooling Network. , 2020, , .		11

#	ARTICLE	IF	CITATIONS
19	DCET-Net: Dual-Stream Convolution Expanded Transformer for Breast Cancer Histopathological Image Classification. , 2021, , .		11
20	First-principles studies of the structural and electronic properties of the C14 Laves phase $XCr_2(X = Ti, Zr, Hf)$ . <i>Journal of Applied Physics</i> , 2021, 124, 043101.	1.6	16
21	Cooling and Mechanical Performance Analysis of a Trapezoidal Thermoelectric Cooler with Variable Cross-Section. <i>Energies</i> , 2020, 13, 6070.	3.1	10
22	Second-order multi-instance learning model for whole slide image classification. <i>Physics in Medicine and Biology</i> , 2021, 66, 145006.	3.0	10
23	Classification of Benign and Malignant Pulmonary Nodules Based on Deep Learning. , 2018, , .		9
24	Local-aware spatio-temporal attention network with multi-stage feature fusion for human action recognition. <i>Neural Computing and Applications</i> , 2021, 33, 16439-16450.	5.6	9
25	Dislocation Configurations and Stress Distribution Along the Transverse Axis of Turbine Blade Body. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 4620-4625.	2.5	8
26	The Critical Resolved Shear Stress for Twinning in a Modern Single Crystal Ni-based Superalloy TMS-82. <i>Advanced Engineering Materials</i> , 2013, 15, 1034-1039.	3.5	7
27	An Improved Symbiosis Particle Swarm Optimization for Solving Economic Load Dispatch Problem. <i>Journal of Electrical and Computer Engineering</i> , 2021, 2021, 1-11.	0.9	7
28	3D asymmetric expectation-maximization attention network for brain tumor segmentation. <i>NMR in Biomedicine</i> , 2022, 35, e4657.	2.8	7
29	Exploring risk factors and predicting UPDRS score based on Parkinson's speech signals. , 2017, , .		5
30	Palmprint recognition based on CNN and local coding features. , 2017, , .		5
31	pH-Responsive Liquid Marbles Based on Dihydroxystearic Acid. <i>Langmuir</i> , 2022, 38, 5702-5707.	3.5	5
32	Obstacle Avoidance Path Planning of Space Robot Based on Improved Particle Swarm Optimization. <i>Symmetry</i> , 2022, 14, 938.	2.2	5
33	Reversible formation of stacking faults in a nickel-based single crystal TMS-82 superalloy. <i>Journal of Materials Research</i> , 2013, 28, 3332-3338.	2.6	4
34	Alloying effects and site occupancies of Re in the C14 Cr-based Laves phases: a first-principles study. <i>Philosophical Magazine</i> , 2018, 98, 2879-2895.	1.6	4
35	A personalized preoperative modeling system for internal fixation plates in long bone fracture surgery—a straightforward way from CT images to plate model. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2019, 15, e2029.	2.3	4
36	Deep Covariance Estimation Hashing. <i>IEEE Access</i> , 2019, 7, 113223-113234.	4.2	4

#	ARTICLE	IF	CITATIONS
37	Aggregated Deep Global Feature Representation for Breast Cancer Histopathology Image Classification. Journal of Medical Imaging and Health Informatics, 2020, 10, 2778-2783.	0.3	4
38	Site occupancy behaviours of ternary elements (Zr, Mo, Cr) in the Laves phase of C15 NbCo <sub>2</sub> : a first-principles study. Philosophical Magazine, 2017, 97, 1012-1023.	1.6	3
39	First-principles investigations on structural, elastic, electronic properties and Debye temperature of orthorhombic Ni <sub>3</sub> Ta under pressure. Philosophical Magazine, 2018, 98, 1641-1655.	1.6	3
40	Pedestrian Detection Using Regional Proposal Network with Feature Fusion. , 2018, , .		3
41	Second-Order Response Transform Attention Network for Image Classification. IEEE Access, 2019, 7, 117517-117526.	4.2	3
42	Second-order asymmetric convolution network for breast cancer histopathology image classification. Journal of Biophotonics, 2022, 15, e202100370.	2.3	3
43	Deep High-order Asymmetric Supervised Hashing for Image Retrieval. , 2020, , .		2
44	Robust Covariance Representations With Large Margin Dimensionality Reduction for Visual Classification. IEEE Access, 2018, 6, 5531-5537.	4.2	1
45	Deep High-order Supervised Hashing for Image Retrieval. , 2018, , .		1
46	A visible human body slice segmentation method framework based on OneCut and adjacent image geometric features. Computer Assisted Surgery, 2019, 24, 43-53.	1.3	1
47	Three-dimensional organ extraction method for color volume image based on the closed-form solution strategy. Quantitative Imaging in Medicine and Surgery, 2020, 10, 862-870.	2.0	1
48	Direct 3D model extraction method for color volume images. Technology and Health Care, 2021, 29, 133-140.	1.2	1
49	Attention-Guided Second-Order Pooling Convolutional Networks. , 2021, , .		1
50	3D Shared Matting Method for Directly Extracting Standard Organ Models from Human Body Color Volume Image. Current Medical Imaging, 2020, 16, 1170-1181.	0.8	1
51	Redox and pH dual-stimuli responsive wormlike micelles based on CTAB and sodium dithiodibenzoate. Journal of Dispersion Science and Technology, 2023, 44, 1750-1758.	2.4	1
52	Pedestrian Detection Using 19-Layer Deep Convolution Neural Network. , 2017, , .		0
53	Predicting the Legal Risk of "Section 337 Investigations" by Elastic Time Predictor. , 2019, , .		0
54	Weakly Supervised Gleason Grading of Prostate Cancer Slides using Graph Neural Network. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
55	Second-order Attention Guided Convolutional Activations for Visual Recognition. , 2021, , .		0
56	Supervised Deep Second-Order Covariance Hashing for Image Retrieval. Communications in Computer and Information Science, 2020, , 476-487.	0.5	0
57	BrainSeg R-CNN for Brain Tumor Segmentation. Communications in Computer and Information Science, 2021, , 217-226.	0.5	0
58	Triplet-Attention Residual Network for Breast Cancer Histopathology Image Classification. , 2021, , .		0
59	Optimal Trajectory Planning for Minimizing Base Disturbance of a Redundant Space Robot with IQPSO. Journal of Electrical and Computer Engineering, 2022, 2022, 1-12.	0.9	0