

# Squeeze-and-Excitation Networks

IEEE Transactions on Pattern Analysis and Machine Intelligence  
42, 2011-2023

DOI: [10.1109/tpami.2019.2913372](https://doi.org/10.1109/tpami.2019.2913372)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Neural networks: Efficient implementations and applications. , 2017, , .		10
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10	Improving Residual Block for Semantic Image Segmentation. , 2018, , .		3
11	Teaching Squeeze-and-Excitation PyramidNet for Imbalanced Image Classification with GAN-based Curriculum Learning. , 2018, , .		1
12	Margin-Based Sample Filtering for Image Classification Using Convolutional Neural Networks. , 2018, , .		0
13	A Experimental Study to Invariance of Several Groups Action to the Input of Residual Networks. , 2018, , .		0
14	Deep Learning: The Good, the Bad, and the Ugly. Annual Review of Vision Science, 2019, 5, 399-426.	4.4	142
15	Visual Object Tracking via Graph Convolutional Representation. , 2019, , .		2
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17	Rain-Density Squeeze-and-Excitation Residual Network for Single Image Rain-removal. , 2019, , .		2
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#	ARTICLE	IF	CITATIONS
19	An overview of robot vision. , 2019, , .		2
20	Fraud Detection with Multi-Modal Attention and Correspondence Learning. , 2019, , .		2
21	Semantic Segmentation via Structured Refined Prediction and Dual Global Priors. , 2019, , .		1
22	Multi-Scale Geospatial Object Detection Based on Shallow-Deep Feature Extraction. Remote Sensing, 2019, 11, 2525.	4.0	19
23	Pyramid Attention Dense Network for Image Super-Resolution. , 2019, , .		2
24	Local Excitation Network for Restoring a JPEG-Compressed Image. IEEE Access, 2019, 7, 138032-138042.	4.2	4
25	Image Super-Resolution Model Based on Bypass Convolution and Feature Weighting. , 2019, , .		0
26	Boosting Monocular Depth Estimation with Channel Attention and Mutual Learning. , 2019, , .		1
27	A Novel Deep Convolutional Neural Network Structure for Off-line Handwritten Digit Recognition. , 2019, , .		2
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29	Multi-layer Attention Aggregation in Deep Neural Network. , 2019, , .		0
30	Spatio-Temporal Graph Routing for Skeleton-Based Action Recognition. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8561-8568.	4.9	167
31	Second-Order Response Transform Attention Network for Image Classification. IEEE Access, 2019, 7, 117517-117526.	4.2	3
32	Heatmap-Guided Balanced Deep Convolution Networks for Family Classification in the Wild. , 2019, , .		3
33	GHRNet: Guided Hierarchical Refinement Network for Stereo Matching. , 2019, , .		0
34	FlyIT: Drosophila Embryogenesis Image Annotation based on Image Tiling and Convolutional Neural Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 18, 1-1.	3.0	0
35	3D Object Detection Using Scale Invariant and Feature Reweighting Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9267-9274.	4.9	58
36	Reinforcing Soft Part-Aligned Features for Person Re-identification. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Attention-Based Multi-Context Guiding for Few-Shot Semantic Segmentation. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8441-8448.	4.9	84
38	Spatiotemporal Multi-Graph Convolution Network for Ride-Hailing Demand Forecasting. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 3656-3663.	4.9	454
39	Target Detection Algorithm Based on Double Attention. , 2019, , .		0
40	NCNet: Deep Learning Network Models for Predicting Function of Non-coding DNA. Frontiers in Genetics, 2019, 10, 432.	2.3	8
41	A New Semantic Segmentation Model for Supplementing More Spatial Information. IEEE Access, 2019, 7, 86979-86988.	4.2	7
42	Segmentation Squeeze-and-Excitation Blocks in Stroke Lesion Outcome Prediction. , 2019, , .		1
43	Deep Representation Learning for Metadata Verification. , 2019, , .		4
44	Human Tracking for Children Behavior Analysis in Nursery Schools. , 2019, , .		0
45	Multilevel Cross-Aware RGBD Semantic Segmentation of Indoor Environments. , 2019, , .		1
46	Learning Object Context for Dense Captioning. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 8650-8657.	4.9	23
47	Radar Signal Recognition Based on Squeeze-and-Excitation Networks. , 2019, , .		4
48	Global Bank: A Guided Pathway of Encoding and Decoding for Pathological Image Analysis. , 2019, , .		0
49	Thai Scene Graph Generation from Images and Applications. , 2019, , .		0
50	Spatial and Channel Restraint for Complementary Feature Learning. , 2019, , .		0
51	Semantic Segmentation Network with Local Multi-Scale Attention for Locating Traffic Sign. , 2019, , .		0
52	Multi-Pooling Attention Learning for Melanoma Recognition. , 2019, , .		2
53	Searching ROI for Object Detection based on CNN. , 2019, , .		1
54	Factorizing and Reconstituting Large-Kernel MBConv for Lightweight Face Recognition. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
55	A Method for Human Parsing Based on Deep Learning and Attention Mechanism. , 2019, , .		0
56	Building Footprint Extraction from Stereo Satellite Imagery Using Convolutional Neural Networks. , 2019, , .		0
57	Real-time Classification of Ship Cabins Fire Hazard Levels Based on CNN. , 2019, , .		3
58	SANet: Smoothed Attention Network for Single Stage Face Detector. , 2019, , .		3
59	Ensemble of Receptive Fields for Training Central-Focused Convolutional Neural Networks. , 2019, , .		0
60	HsgNet: A Road Extraction Network Based on Global Perception of High-Order Spatial Information. ISPRS International Journal of Geo-Information, 2019, 8, 571.	2.9	38
61	Vehicle Positioning and Ranging with Static Traffic Camera based on 2D-3D Tracking and Re-Projection. , 2019, , .		0
62	Partial Attribute-Driven Video Person Re-Identification. , 2019, , .		0
63	Object Detection under Constrained Hardware Scenarios: A Comparative Study of Reduced Convolutional Network Architectures. , 2019, , .		0
64	Hypersonic Vehicle Trajectory Classification Using Convolutional Neural Network. , 2019, , .		7
65	Lightweight Deep Embeddings Fusion Methods for Face Verification on Mobile Devices. , 2019, , .		0
66	Feature Ensemble Networks with Re-Ranking for Recognizing Disguised Faces in the Wild. , 2019, , .		1
67	Motion Classification Based on Noisy Micro-Doppler Signatures. , 2019, , .		1
68	Context Aggregation Network for Semantic Labeling in Aerial Images. , 2019, , .		1
69	Building Extraction from Very High Resolution Aerial Imagery Using Joint Attention Deep Neural Network. Remote Sensing, 2019, 11, 2970.	4.0	45
70	Enhanced Object Detection in Bird's Eye View Using 3D Global Context Inferred From Lidar Point Data. , 2019, , .		3
71	Depth Map Inpainting Using a Fully Convolutional Network*. , 2019, , .		0
72	An Intensive Study of Backbone and Architectures with Test Image Augmentation and Box Refinement for Object Detection and Segmentation. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
73	PointAE: Point Auto-Encoder for 3D Statistical Shape and Texture Modelling. , 2019, , .		6
74	A Graph Based Unsupervised Feature Aggregation for Face Recognition. , 2019, , .		1
75	A Ship Classification Method Based on Residual Structure and Computational Verb. , 2019, , .		0
76	MEDA: Multi-output Encoder-Decoder for Spatial Attention in Convolutional Neural Networks. , 2019, , .		1
77	Automatic Damage Recovery of Old Photos Based on Convolutional Neural Network. , 2019, , .		1
78	GLmsr: A GAN-Lmsr Network for Image-to-Image Translation. , 2019, , .		1
79	Monocular Visual Odometry Using Unsupervised Deep Learning. , 2019, , .		1
80	Seatbelt Recognition Method Based on Convolutional Attention Mechanism. , 2019, , .		0
81	Deep Global Generalized Gaussian Networks. , 2019, , .		12
82	Infrared and Visible Image Fusion Using Detail Enhanced Channel Attention Network. IEEE Access, 2019, 7, 182185-182197.	4.2	11
83	ECPNet: An Efficient Attention-Based Convolution Network with Pseudo-3D Block for Human Action Recognition. , 2019, , .		1
84	An Expansion Convolution Method Based on Local Region Parameter Sharing. , 2019, , .		0
85	Adversarially Erased Learning for Person Re-identification by Fully Convolutional Networks. , 2019, , .		0
86	CoNet: Compact and Low-Cost CNN for Image Classification. , 2019, , .		0
87	Exploring Multi-loss Function Based Attention Framework for Vehicle Re-Identification. , 2019, , .		0
88	CNN Architecture for Surgical Image Segmentation Systems with Recursive Network Structure to Mitigate Overfitting. , 2019, , .		3
89	Video Saliency Detection with Gated CNN and Residual Architecture. , 2019, , .		0
90	Cross-Granularity Attention Network for Semantic Segmentation. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
91	Video Indexing Using Face Appearance and Shot Transition Detection. , 2019, , .		2
92	MLFFNet: Multi-level Feature Fusion Net for Underwater Image Enhancement. , 2019, , .		2
93	Pulmonary Nodule Detection Based on Multi-branch 3D Squeeze-and-Excitation Network. , 2019, , .		2
94	Incorporating Non-local and Task-specific Features for Instance Segmentation. , 2019, , .		0
95	Automatic Identification of Conodonts Based on Deep Learning. , 2019, , .		0
96	U-Net Based Defects Inspection in Photovoltaic Electroluminescence Images. , 2019, , .		0
97	A New Cyclic Spatial Attention Module for Convolutional Neural Networks. , 2019, , .		0
98	A Comprehensive Study on Large-Scale Person Retrieval in Real Surveillance Scenarios. , 2019, , .		2
99	Scene Text Detection Via Cascade FPN and Channel Enhancement. , 2019, , .		0
100	Embeddable Convolutional layer-based Filter for Wireless Signal Detection. , 2019, , .		0
101	LANet: A Ladder Attention Network for Image Semantic Segmentation. , 2019, , .		0
102	Recalibrating Fully Convolutional Networks With Spatial and Channel “Squeeze and Excitation” Blocks. IEEE Transactions on Medical Imaging, 2019, 38, 540-549.	8.9	280
103	Dual Intercommunication Network: Enabling Interhemispheric Communications in Hemisphere-Inspired ANNs. IEEE Access, 2020, 8, 526-534.	4.2	2
104	Efficient and High-Quality Monocular Depth Estimation via Gated Multi-Scale Network. IEEE Access, 2020, 8, 7709-7718.	4.2	6
105	Segmentation of organs-at-risk in cervical cancer CT images with a convolutional neural network. Physica Medica, 2020, 69, 184-191.	0.7	68
106	Efficient network architecture search via multiobjective particle swarm optimization based on decomposition. Neural Networks, 2020, 123, 305-316.	5.9	54
107	Bubblenet: A Disperse Recurrent Structure To Recognize Activities. , 2020, , .		1
108	Efficient Search for the Number of Channels for Convolutional Neural Networks. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
109	STCAM: Spatial-Temporal and Channel Attention Module for Dynamic Facial Expression Recognition. IEEE Transactions on Affective Computing, 2023, 14, 800-810.	8.3	18
110	Symbiotic Attention for Egocentric Action Recognition With Object-Centric Alignment. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 6605-6617.	13.9	50
111	Crossmodal Language Grounding in an Embodied Neurocognitive Model. Frontiers in Neurorobotics, 2020, 14, 52.	2.8	18
112	Robust Hand Shape Features for Dynamic Hand Gesture Recognition Using Multi-Level Feature LSTM. Applied Sciences (Switzerland), 2020, 10, 6293.	2.5	16
113	Multi-Tissue Cancer Classification of Gene Expressions using Deep Learning. , 2020, , .		1
114	Detection of COVID-19 Using Deep Learning Algorithms on Chest Radiographs. Journal of Thoracic Imaging, 2020, 35, 369-376.	1.5	13
115	Selective Feature Network for Object Detection. , 2020, , .		0
116	EEG-Based Emotion Recognition via Channel-Wise Attention and Self Attention. IEEE Transactions on Affective Computing, 2023, 14, 382-393.	8.3	168
117	An attentionâ€supervised fullâ€resolution residual network for the segmentation of breast ultrasound images. Medical Physics, 2020, 47, 5702-5714.	3.0	22
118	Cross-scanner and cross-protocol multi-shell diffusion MRI data harmonization: Algorithms and results. NeuroImage, 2020, 221, 117128.	4.2	54
119	Attention-Based Dense Decoding Network for Monocular Depth Estimation. IEEE Access, 2020, 8, 85802-85812.	4.2	4
120	Multilevel Traffic State Detection in Traffic Surveillance System Using a Deep Residual Squeeze-and-Excitation Network and an Improved Triplet Loss. IEEE Access, 2020, 8, 114460-114474.	4.2	4
121	SSDANet: Spectral-Spatial Three-Dimensional Convolutional Neural Network for Hyperspectral Image Classification. IEEE Access, 2020, 8, 127167-127180.	4.2	14
122	Deep Pyramidal Pooling With Attention for Person Re-Identification. IEEE Transactions on Image Processing, 2020, 29, 7306-7316.	9.8	34
123	S3F: A Multi-View Slow-Fast Network For Alzheimerâ€™s Disease Diagnosis. , 2020, , .		0
124	Image Deblurring Using Multi-Stream Bottom-Top-Bottom Attention Network and Global Information-Based Fusion and Reconstruction Network. Sensors, 2020, 20, 3724.	3.8	4
125	Multi-Scale Dense Attention Network for Stereo Matching. Electronics (Switzerland), 2020, 9, 1881.	3.1	0
126	Square Kilometre Array Science Data Challenge 1: analysis and results. Monthly Notices of the Royal Astronomical Society, 2020, 500, 3821-3837.	4.4	29

#	ARTICLE	IF	CITATIONS
127	Radar Emitter Signal Recognition Based on One-Dimensional Convolutional Neural Network with Attention Mechanism. Sensors, 2020, 20, 6350.	3.8	33
128	Centroid Loss for Weakly-Supervised Semantic Segmentation in a Quality-Control Application. , 2020, , .		1
129	IAUnet: Global Context-Aware Feature Learning for Person Reidentification. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4460-4474.	11.3	28
130	An On-Chip Learning Method for Neuromorphic Systems Based on Non-Ideal Synapse Devices. Electronics (Switzerland), 2020, 9, 1946.	3.1	3
131	Back-Guard: Wireless Backscattering based User Activity Recognition and Identification with Parallel Attention Model. , 2020, , .		5
132	Estimation Of Impression Associated With Portraits Using Facial Landmarks And Visual Features. , 2020, , .		0
133	An Electronic Component Recognition Algorithm Based on Deep Learning with a Faster SqueezeNet. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	21
134	Onion Rotation: An Information-reserved Rotation Method to Augment Data in Image Recognition. , 2020, , .		0
135	Residual Pixel Attention Network for Spectral Reconstruction from RGB Images. , 2020, , .		17
136	TEA: Temporal Excitation and Aggregation for Action Recognition. , 2020, , .		297
137	Multi-semantic long-range dependencies capturing for efficient video representation learning. Image and Vision Computing, 2020, 104, 103988.	4.5	0
138	Pyramid With Super Resolution for In-the-Wild Facial Expression Recognition. IEEE Access, 2020, 8, 131988-132001.	4.2	85
139	Semantic Segmentation of the Eye With a Lightweight Deep Network and Shape Correction. IEEE Access, 2020, 8, 131967-131974.	4.2	0
140	Facial Expression Recognition Based on Optimized ResNet. , 2020, , .		11
141	Deep Learning-based Person Search with Visual Attention Embedding. , 2020, , .		0
142	Semantically Tied Paired Cycle Consistency for Any-Shot Sketch-Based Image Retrieval. International Journal of Computer Vision, 2020, 128, 2684-2703.	15.6	14
143	Sketchppnet: A Joint Pixel and Point Convolutional Neural Network For Low Resolution Sketch Image Recognition. , 2020, , .		2
144	3-D Human Pose Estimation Using Iterative Conditional Squeeze and Excitation Networks. IEEE Transactions on Cybernetics, 2022, 52, 687-699.	9.5	6

#	ARTICLE	IF	CITATIONS
145	Convolutional Neural Network with Squeeze and Excitation Modules for Image Blind Deblurring. , 2020, , .		3
146	Multi-Label Visual Feature Learning with Attentional Aggregation. , 2020, , .		0
147	Approximation of Transcendental Functions With Guaranteed Algorithmic QoS by Multilayer Pareto Optimization. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2020, 28, 2495-2508.	3.1	6
148	Accurate and Efficient Image Super-Resolution via Global-Local Adjusting Dense Network. IEEE Transactions on Multimedia, 2021, 23, 1924-1937.	7.2	23
149	Block-Wisely Supervised Neural Architecture Search With Knowledge Distillation. , 2020, , .		79
150	Enhanced Feature Pyramid Networks by Feature Aggregation Module and Refinement Module. , 2020, , .		4
151	Tiny-Hourglassnet: An Efficient Design For 3d Human Pose Estimation. , 2020, , .		1
152	MAM: Mixed Attention Module with Random Disruption Augmentation for Image Classification. , 2020, , .		0
153	Context Union Edge Network for Semantic Segmentation of Small-Scale Objects in Very High Resolution Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	13
154	Multi-Receptive Atrous Convolutional Network for Semantic Segmentation. , 2020, , .		2
155	Spatial and Transform Domain CNN for SAR Image Despeckling. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	13
156	One-Shot Texture Retrieval Using Global Grouping Metric. IEEE Transactions on Multimedia, 2020, , 1-1.	7.2	4
157	Thyroid nodules risk stratification through deep learning based on ultrasound images. Medical Physics, 2020, 47, 6355-6365.	3.0	18
158	A Dynamic-Attention on Crowd Region with Physical Optical Flow Features for Crowd Counting. , 2020, , .		0
159	Mapping and Discriminating Rural Settlements Using Gaofen-2 Images and a Fully Convolutional Network. Sensors, 2020, 20, 6062.	3.8	5
160	Multi-class Brain Tumor Segmentation via Multi-sequences MRI Mixture Data Preprocessing. , 2020, , .		7
161	Lsragan: Generating Multifarious Color Photographes From Sketch. , 2020, , .		1
162	Recursive Multi-Scale Image Deraining With Sub-Pixel Convolution Based Feature Fusion and Context Aggregation. IEEE Access, 2020, 8, 177495-177505.	4.2	2

#	ARTICLE	IF	CITATIONS
163	Geospatial Contextual Attention Mechanism for Automatic and Fast Airport Detection in SAR Imagery. IEEE Access, 2020, 8, 173627-173640.	4.2	12
164	A Comparative Analysis of Residual Block Alternatives for End-to-End Audio Classification. IEEE Access, 2020, 8, 188875-188882.	4.2	5
165	PRAN: Progressive Residual Attention Network for Super Resolution. IEEE Access, 2020, 8, 188611-188619.	4.2	2
166	DFA: Improving Convolutional Networks with Dual Fusion Attention Module. , 2020, , .		0
167	Few-Class Learning For Image-Classification-Aware Denoising. , 2020, , .		2
168	WW-Nets: Dual Neural Networks for Object Detection. , 2020, , .		1
169	BSTN: An Effective Framework for Compressed Video Quality Enhancement. , 2020, , .		2
170	Visual object tracking based on siamese network with a deeper and more powerful backbone. , 2020, , .		1
171	Dual Stream Segmentation Network for Real-Time Semantic Segmentation. , 2020, , .		0
172	An Interpretable Visual Attention Plug-in for Convolutions. IEEE Access, 2020, 8, 136992-137003.	4.2	1
173	Change Detection: The Framework of Visual Inspection System for Railway Plug Defects. IEEE Access, 2020, 8, 152161-152172.	4.2	12
174	Two-Stage Pansharpening Based on Multi-Level Detail Injection Network. IEEE Access, 2020, 8, 156442-156455.	4.2	11
175	A Real-time Multipoint-based Object Detector. , 2020, , .		1
176	3D Orientation Estimation and Vanishing Point Extraction from Single Panoramas Using Convolutional Neural Network. , 2020, , .		1
177	Quality Control on Manufacturing Computer Keyboards Using Multilevel Deep Neural Networks. , 2020, , .		0
178	Optic Disc Segmentation Using Attention-Based U-Net and the Improved Cross-Entropy Convolutional Neural Network. Entropy, 2020, 22, 844.	2.2	25
179	GaitPart: Temporal Part-Based Model for Gait Recognition. , 2020, , .		199
180	Single Fundus Image Super-Resolution Via Cascaded Channel-Wise Attention Network. , 2020, 2020, 1984-1987.		3

#	ARTICLE	IF	CITATIONS
181	Road Extraction from Very-High-Resolution Remote Sensing Images via a Nested SE-Deeplab Model. Remote Sensing, 2020, 12, 2985.	4.0	49
182	Automatic Primary Gross Tumor Volume Segmentation for Nasopharyngeal Carcinoma using ResSE-UNet. , 2020, , .		2
183	Semi-Supervised Node Classification With Discriminable Squeeze Excitation Graph Convolutional Networks. IEEE Access, 2020, 8, 148226-148236.	4.2	9
184	<i>AttentionBoost</i>: Learning What to Attend for Gland Segmentation in Histopathological Images by Boosting Fully Convolutional Networks. IEEE Transactions on Medical Imaging, 2020, 39, 4262-4273.	8.9	7
185	Automated segmentation and diagnosis of pneumothorax on chest X-rays with fully convolutional multi-scale ScSE-DenseNet: a retrospective study. BMC Medical Informatics and Decision Making, 2020, 20, 317.	3.0	20
186	Deeply scale aggregation network for object counting. Knowledge-Based Systems, 2020, 210, 106485.	7.1	6
187	SIR-Net: Self-Supervised Transfer for Inverse Rendering via Deep Feature Fusion and Transformation From a Single Image. IEEE Access, 2020, 8, 201861-201873.	4.2	1
188	Infrared and Visible Image Fusion Using a Deep Unsupervised Framework With Perceptual Loss. IEEE Access, 2020, 8, 206445-206458.	4.2	11
189	Product Design Award Prediction Modeling: Design Visual Aesthetic Quality Assessment via DCNNs. IEEE Access, 2020, 8, 211028-211047.	4.2	10
190	A Novel Salient Feature Fusion Method for Ship Detection in Synthetic Aperture Radar Images. IEEE Access, 2020, 8, 215904-215914.	4.2	16
191	Esophagus Segmentation in Computed Tomography Images Using a U-Net Neural Network With a Semiautomatic Labeling Method. IEEE Access, 2020, 8, 202459-202468.	4.2	6
192	TSER: A Two-Stage Character Segmentation Network With Two-Stream Attention and Edge Refinement. IEEE Access, 2020, 8, 205216-205230.	4.2	5
193	Deep Learning in Skin Disease Image Recognition: A Review. IEEE Access, 2020, 8, 208264-208280.	4.2	46
194	Learning Multi-Level Features to Improve Crowd Counting. IEEE Access, 2020, 8, 211391-211400.	4.2	3
195	A Robust License Plate Recognition Model Based on Bi-LSTM. IEEE Access, 2020, 8, 211630-211641.	4.2	38
196	SAR Target Recognition Based on Efficient Fully Convolutional Attention Block CNN. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	8
197	Image Classification Using Convolutional Neural Networks with Different Convolution Operations. , 2020, , .		1
198	Visual perception and navigation of security robot based on deep learning. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
199	A Time Series Autoencoder for Load Identification via Dimensionality Reduction of Sensor Recordings. , 0, , .		0
200	Depthwise and Spatial Factorized Network: a Light-weight Network for Real-time Semantic Segmentation. Journal of Physics: Conference Series, 2020, 1627, 012023.	0.4	0
201	Dense Attention Convolutional Network for Image Classification. Journal of Physics: Conference Series, 2020, 1651, 012184.	0.4	1
202	Fault Diagnosis of Rotating Machinery Based on One-Dimensional Deep Residual Shrinkage Network with a Wide Convolution Layer. Shock and Vibration, 2020, 2020, 1-12.	0.6	6
203	StackNet-DenVIS: a multi-layer perceptron stacked ensembling approach for COVID-19 detection using X-ray images. Physical and Engineering Sciences in Medicine, 2020, 43, 1399-1414.	2.4	20
204	SteganoCNN: Image Steganography with Generalization Ability Based on Convolutional Neural Network. Entropy, 2020, 22, 1140.	2.2	14
205	Can Additional Patient Information Improve the Diagnostic Performance of Deep Learning for the Interpretation of Knee Osteoarthritis Severity. Journal of Clinical Medicine, 2020, 9, 3341.	2.4	14
206	Selective Complementary Features For Multi-Person Pose Estimation. , 2020, , .		2
207	A Multi-Scale Deep Neural Network for Water Detection from SAR Images in the Mountainous Areas. Remote Sensing, 2020, 12, 3205.	4.0	16
208	Multi-Scale Feature Pyramids for Weakly Supervised Thoracic Disease Localization. , 2020, , .		1
209	Cascaded Context Dependency: An Extremely Lightweight Module For Deep Convolutional Neural Networks. , 2020, , .		0
210	Separable Attention Capsule Network for Signal Classification. IEEE Access, 2020, 8, 181744-181750.	4.2	1
211	DCM: A Dense-Attention Context Module For Semantic Segmentation. , 2020, , .		1
212	Filling Missing Values on Wearable-Sensory Time Series Data. , 2020, , 46-54.		16
213	Redundant Convolutional Network With Attention Mechanism For Monaural Speech Enhancement. , 2020, , .		2
214	Video Synopsis Based on Attention Mechanism and Local Transparent Processing. IEEE Access, 2020, , 1-1.	4.2	3
215	MAOD: An Efficient Anchor-Free Object Detector Based on MobileDet. IEEE Access, 2020, 8, 86564-86572.	4.2	2
216	Review of prominent strategies for mapping CNNs onto embedded systems. IEEE Latin America Transactions, 2020, 18, 971-982.	1.6	12

#	ARTICLE	IF	CITATIONS
217	A Data Augmentation Method Based on Generative Adversarial Networks for Grape Leaf Disease Identification. IEEE Access, 2020, 8, 102188-102198.	4.2	98
218	Self-attention driven adversarial similarity learning network. Pattern Recognition, 2020, 105, 107331.	8.1	27
219	Prediction of sea surface temperature using a multiscale deep combination neural network. Remote Sensing Letters, 2020, 11, 611-619.	1.4	17
220	A Shared Representation for Object Tracking and Classification using Siamese Networks. , 2020, , .		0
221	Single Image Reflection Removal via Attention Model and SN-GAN. IEEE Access, 2020, 8, 96046-96054.	4.2	2
222	CEUS-Net: Lesion Segmentation in Dynamic Contrast-Enhanced Ultrasound with Feature-Reweighted Attention Mechanism. , 2020, , .		3
223	Generalizable, Reproducible, and Neuroscientifically Interpretable Imaging Biomarkers for Alzheimer's Disease. Advanced Science, 2020, 7, 2000675.	11.2	53
224	QRS Complex Detection Using Novel Deep Learning Neural Networks. IEEE Access, 2020, 8, 97082-97089.	4.2	70
225	Multi-Task Learning in Autonomous Driving Scenarios Via Adaptive Feature Refinement Networks. , 2020, , .		3
226	Deep Learning Fast MRI Using Channel Attention in Magnitude Domain. , 2020, , .		7
227	Integrating Multiple Receptive Fields through Grouped Active Convolution. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 43, 1-1.	13.9	0
228	Deep Learning for Multi-Tissue Cancer Classification of Gene Expressions (GeneXNet). IEEE Access, 2020, 8, 90615-90629.	4.2	15
229	Multi-Level Context Aggregation Network With Channel-Wise Attention for Salient Object Detection. IEEE Access, 2020, 8, 102303-102312.	4.2	1
230	Modeling Plate and Spring Reverberation Using A DSP-Informed Deep Neural Network. , 2020, , .		0
231	Transmission Line Image Object Detection Method Considering Fine-Grained Contexts. , 2020, , .		4
232	In-Time 3D Reconstruction and Instance Segmentation from Monocular Sensor Data. , 2020, , .		0
233	Deep Learning for Cardiac Image Segmentation: A Review. Frontiers in Cardiovascular Medicine, 2020, 7, 25.	2.4	467
234	Improving the Harmony of the Composite Image by Spatial-Separated Attention Module. IEEE Transactions on Image Processing, 2020, 29, 4759-4771.	9.8	63

#	ARTICLE	IF	CITATIONS
235	Squeeze-and-Excitation SqueezeNext: An Efficient DNN for Hardware Deployment. , 2020, , .		4
236	Attention in Psychology, Neuroscience, and Machine Learning. Frontiers in Computational Neuroscience, 2020, 14, 29.	2.1	103
237	Deep Convolutional Network Based on Interleaved Fusion Group. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 555-565.	3.8	4
238	Combining Residual Neural Networks and Feature Pyramid Networks to Estimate Poverty Using Multisource Remote Sensing Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 553-565.	4.9	8
239	AppendixNet: Deep Learning for Diagnosis of Appendicitis from A Small Dataset of CT Exams Using Video Pretraining. Scientific Reports, 2020, 10, 3958.	3.3	60
240	Recognition of Genetic Diseases Based on Combined Feature Extraction from 2D Face Images. , 2020, , .		6
241	Evaluation of Robust Spatial Pyramid Pooling Based on Convolutional Neural Network for Traffic Sign Recognition System. Electronics (Switzerland), 2020, 9, 889.	3.1	42
242	Multimodal Video Saliency Analysis With User-Biased Information. , 2020, , .		0
243	DATNet: Dense Auxiliary Tasks for Object Detection. , 2020, , .		1
244	Attention Based CNN-ConvLSTM for Pedestrian Attribute Recognition. Sensors, 2020, 20, 811.	3.8	23
245	Deep Layer Aggregation with Cross Attention for Lane Detection. Journal of Physics: Conference Series, 2020, 1437, 012010.	0.4	0
246	Reconstruction of fluorescence molecular tomography based on graph convolution networks. Journal of Optics (United Kingdom), 2020, 22, 045602.	2.2	20
247	Coupled Rain Streak and Background Estimation via Separable Element-Wise Attention. IEEE Access, 2020, 8, 16627-16636.	4.2	1
248	Channel Attention Module with Multi-scale Grid Average Pooling for Breast Cancer Segmentation in an Ultrasound Image. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1-1.	3.0	62
249	Full-Spectrum Prediction of Peptides Tandem Mass Spectra using Deep Neural Network. Analytical Chemistry, 2020, 92, 4275-4283.	6.5	48
250	Flexible Gait Recognition Based on Flow Regulation of Local Features Between Key Frames. IEEE Access, 2020, 8, 75381-75392.	4.2	14
251	Feature Recalibration in Deep Learning via Depthwise Squeeze and Refinement Operations. IEEE Access, 2020, 8, 79046-79055.	4.2	0
252	Residual Attention Network for Wavelet Domain Super-Resolution. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
253	Multi-label learning for crop leaf diseases recognition and severity estimation based on convolutional neural networks. <i>Soft Computing</i> , 2020, 24, 15327-15340.	3.6	30
254	Multi-Scale Object Detection Using Feature Fusion Recalibration Network. <i>IEEE Access</i> , 2020, 8, 51664-51673.	4.2	3
255	Multi-Adversarial Partial Transfer Learning With Object-Level Attention Mechanism for Unsupervised Remote Sensing Scene Classification. <i>IEEE Access</i> , 2020, 8, 56650-56665.	4.2	4
256	Relation Matters: Relational Context-Aware Fully Convolutional Network for Semantic Segmentation of High-Resolution Aerial Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 7557-7569.	6.3	122
257	Optimisation of 2D U-Net Model Components for Automatic Prostate Segmentation on MRI. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2601.	2.5	10
258	Deep Orthogonal Transform Feature for Image Denoising. <i>IEEE Access</i> , 2020, 8, 66898-66909.	4.2	5
259	Bilinear Squeeze-and-Excitation Network for Fine-Grained Classification of Tree Species. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 1139-1143.	3.1	6
260	(SARN)spatial-wise attention residual network for image super-resolution. <i>Visual Computer</i> , 2021, 37, 1569-1580.	3.5	22
261	Adaptive feature fusion with attention mechanism for multi-scale target detection. <i>Neural Computing and Applications</i> , 2021, 33, 2769-2781.	5.6	25
262	An Investigation on Deep Learning Approaches to Combining Nighttime and Daytime Satellite Imagery for Poverty Prediction. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 1545-1549.	3.1	17
263	Compression Priors Assisted Convolutional Neural Network for Fractional Interpolation. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021, 31, 1953-1967.	8.3	2
264	Dual-branch combination network (DCN): Towards accurate diagnosis and lesion segmentation of COVID-19 using CT images. <i>Medical Image Analysis</i> , 2021, 67, 101836.	11.6	129
265	Automated detection of COVID-19 using ensemble of transfer learning with deep convolutional neural network based on CT scans. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 115-123.	2.8	111
266	MAD-UNet: A deep U-shaped network combined with an attention mechanism for pancreas segmentation in CT images. <i>Medical Physics</i> , 2021, 48, 329-341.	3.0	31
267	Deep Feature Collaboration for Challenging 3D Finger Knuckle Identification. <i>IEEE Transactions on Information Forensics and Security</i> , 2021, 16, 1158-1173.	6.9	10
268	Cyclic CNN: Image Classification With Multiscale and Multilocation Contexts. <i>IEEE Internet of Things Journal</i> , 2021, 8, 7466-7475.	8.7	8
269	LMFNet: Human Activity Recognition Using Attentive 3-D Residual Network and Multistage Fusion Strategy. <i>IEEE Internet of Things Journal</i> , 2021, 8, 6012-6023.	8.7	3
270	RRCNet: Rivet Region Classification Network for Rivet Flush Measurement Based on 3-D Point Cloud. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-12.	4.7	13

#	ARTICLE	IF	CITATIONS
271	Consistency Guided Network for Degraded Image Classification. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2231-2246.	8.3	13
272	Deep Neural Framework with Visual Attention and Global Context for Predicting Image Aesthetics. IEEE Access, 2021, , 1-1.	4.2	4
273	Rain to Rain: Learning Real Rain Removal Without Ground Truth. IEEE Access, 2021, 9, 57325-57337.	4.2	4
274	Efficient Attention Fusion Network in Wavelet Domain for Demoiréing. IEEE Access, 2021, 9, 53392-53400.	4.2	4
275	ScarfNet: Multi-scale Features with Deeply Fused and Redistributed Semantics for Enhanced Object Detection. , 2021, , .		1
276	Hierarchically Aggregated Residual Transformation for Single Image Super Resolution. , 2021, , .		1
277	Toward Near-Real-Time Training With Semi-Random Deep Neural Networks and Tensor-Train Decomposition. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8171-8179.	4.9	0
278	MCFINet: Multidepth Convolution Network With Shallow-Deep Feature Integration for Semantic Labeling in Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
279	Exploring Category Attention for Open Set Domain Adaptation. IEEE Access, 2021, 9, 9154-9162.	4.2	2
280	Real-Time Segmentation Method of Lightweight Network For Finger Vein Using Embedded Terminal Technique. IEEE Access, 2021, 9, 303-316.	4.2	7
281	Recognition of moyamoya disease and its hemorrhagic risk using deep learning algorithms: sourced from retrospective studies. Neural Regeneration Research, 2021, 16, 830.	3.0	11
282	MES-Net: a new network for retinal image segmentation. Multimedia Tools and Applications, 2021, 80, 14767-14788.	3.9	11
284	Crop Disease Recognition System Based on Improved Residual Network. Computer Science and Application, 2021, 11, 1555-1562.	0.1	0
285	Addi-Reg: A Better Generalization-Optimization Tradeoff Regularization Method for Convolutional Neural Networks. IEEE Transactions on Cybernetics, 2022, 52, 10827-10842.	9.5	3
286	Compressed MobileNet V3:A Light Weight Variant for Resource-Constrained Platforms. , 2021, , .		11
287	A Novel Squeeze-and-Excitation W-Net for 2D and 3D Building Change Detection with Multi-Source and Multi-Feature Remote Sensing Data. Remote Sensing, 2021, 13, 440.	4.0	26
288	An Improved Faster R-CNN for Pulmonary Embolism Detection From CTPA Images. IEEE Access, 2021, 9, 105382-105392.	4.2	12
289	Inter-Dimensional Correlations Aggregated Attention Network for Action Recognition. IEEE Access, 2021, 9, 105965-105973.	4.2	0

#	ARTICLE	IF	CITATIONS
290	Deep Multi-Domain Prediction for 3D Video Coding. IEEE Transactions on Broadcasting, 2021, 67, 813-823.	3.2	10
291	BSDNet: Balanced Sample Distribution Network for Real-Time Semantic Segmentation of Road Scenes. IEEE Access, 2021, 9, 84034-84044.	4.2	1
292	AttEF: Convolutional LSTM Encoder-Forecaster with Attention Module for Precipitation Nowcasting. Intelligent Automation and Soft Computing, 2021, 29, 453-466.	2.1	14
293	A Multi-Scale Feature Extraction-Based Normalized Attention Neural Network for Image Denoising. Electronics (Switzerland), 2021, 10, 319.	3.1	19
294	Attention in Reasoning: Dataset, Analysis, and Modeling. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7310-7326.	13.9	3
295	Visible-Assisted Infrared Image Super-Resolution Based on Spatial Attention Residual Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
296	Specific Emitter Identification Based on Multi-Level Sparse Representation in Automatic Identification System. IEEE Transactions on Information Forensics and Security, 2021, 16, 2872-2884.	6.9	49
297	MACRO: Multi-Attention Convolutional Recurrent Model for Subject-Independent ERP Detection. IEEE Signal Processing Letters, 2021, 28, 1505-1509.	3.6	9
298	Grave Artifacts in Image Inpainting: Investigating the Causes and Untangling the Factors. IEEE Access, 2021, 9, 119546-119563.	4.2	1
299	Person-in-Context Synthesis with Compositional Structural Space. , 2021, , .		1
300	Pharmaceutical Blister Package Identification Based on Induced Deep Learning. IEEE Access, 2021, 9, 101344-101356.	4.2	5
301	Context for Object Detection via Lightweight Global and Mid-level Representations. , 2021, , .		0
302	Polynomial Universal Adversarial Perturbations for Person Re-Identification. , 2021, , .		0
303	Road Extraction From High Spatial Resolution Remote Sensing Image Based on Multi-Task Key Point Constraints. IEEE Access, 2021, 9, 95896-95910.	4.2	8
304	Deep Hashing With Weighted Spatial Importance. IEEE Transactions on Multimedia, 2021, 23, 3778-3792.	7.2	3
305	MixedNet: Network Design Strategies for Cost-Effective Quantized CNNs. IEEE Access, 2021, 9, 117554-117564.	4.2	0
306	A Medical Liquid Varifocal Endoscope for Abdominal Cavity and its Parallax Estimation Algorithm Compatible with WBANs. IEEE Sensors Journal, 2021, , 1-1.	4.7	2
307	Deep Learning Based Mineral Image Classification Combined With Visual Attention Mechanism. IEEE Access, 2021, 9, 98091-98109.	4.2	23

#	ARTICLE	IF	CITATIONS
308	A Traffic-Sign Detection Algorithm Based on Improved Sparse R-cnn. IEEE Access, 2021, 9, 122774-122788.	4.2	31
309	A Dataset and Benchmark Towards Multi-Modal Face Anti-Spoofing Under Surveillance Scenarios. IEEE Access, 2021, 9, 28140-28155.	4.2	8
310	Two-Stage Clustering Pseudo-Labels Correction for Cross-Domain Person Re-Identification. IEEE Access, 2021, 9, 129490-129501.	4.2	2
311	ICDAR 2021 Competition on Historical Document Classification. Lecture Notes in Computer Science, 2021, , 618-634.	1.3	7
312	MPG-Net: Multi-Prediction Guided Network for Segmentation of Retinal Layers in OCT Images. , 2021, , .		1
313	Progressive Scene Segmentation Based on Self-Attention Mechanism. , 2021, , .		0
314	Spatial Dynamic Selection Network for Remote-Sensing Image Fusion. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
315	Block-Attentive Subpixel Prediction Networks for Computationally Efficient Image Restoration. IEEE Access, 2021, 9, 90881-90895.	4.2	1
316	Small Target Segmentation Method in Complex Background Based on Attention Mechanism. , 2021, , .		0
317	Monocular 3D Detection With Geometric Constraint Embedding and Semi-Supervised Training. IEEE Robotics and Automation Letters, 2021, 6, 5565-5572.	5.1	35
318	Underwater Communication Signal Recognition Using Sequence Convolutional Network. IEEE Access, 2021, 9, 46886-46899.	4.2	6
319	An Extensive Survey of Machine Learning Based Approaches on Automated Pathology Detection in Chest X-Rays. , 2021, , .		2
320	Nested Residual Attention Module-Based for Human Pose Transfer. Computer Science and Application, 2021, 11, 876-884.	0.1	0
321	Multifeature Selective Fusion Network for Real-Time Driving Scene Parsing. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	6
322	Loop-closure detection by LiDAR scan re-identification. , 2021, , .		0
323	3D attention mechanism for fine-grained classification of table tennis strokes using a Twin Spatio-Temporal Convolutional Neural Networks. , 2021, , .		4
324	Image-to-Image Style Transfer Based on the Ghost Module. Computers, Materials and Continua, 2021, 68, 4051-4067.	1.9	1
325	On the Information of Feature Maps and Pruning of Deep Neural Networks. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
326	Cross-layer Information Refining Network for Single Image Super-Resolution. , 2021, , .		0
327	Collaborative Human Machine Attention Module for Character Recognition. , 2021, , .		0
328	A Deep and Supervised Atrous Convolutional Model for Multi-Focus Image Fusion. IEEE Sensors Journal, 2021, 21, 23069-23084.	4.7	5
329	RRSARNet: A Novel Network for Radar Radio Sources Adaptive Recognition. IEEE Transactions on Vehicular Technology, 2021, 70, 11483-11498.	6.3	9
330	A Novel Intelligent Garbage Classification System Based on Deep Learning and an Embedded Linux System. IEEE Access, 2021, 9, 131134-131146.	4.2	27
331	A Novel Multiscale Lightweight Fault Diagnosis Model Based on the Idea of Adversarial Learning. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	13
332	A Temporal-Spectral-Based Squeeze-and- Excitation Feature Fusion Network for Motor Imagery EEG Decoding. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 1534-1545.	4.9	64
333	Semisupervised Spectral Degradation Constrained Network for Spectral Super-Resolution. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	8
334	Screening of Alzheimerâ€™s disease by facial complexion using artificial intelligence. Aging, 2021, 13, 1765-1772.	3.1	25
335	ACRM: Attention Cascade R-CNN with Mix-NMS for Metallic Surface Defect Detection. , 2021, , .		2
336	Hierarchical Self-Attention Embedded Neural Network With Dense Connection for Remote-Sensing Image Semantic Segmentation. IEEE Access, 2021, 9, 126623-126634.	4.2	2
337	ClouDet: A Dilated Separable CNN-Based Cloud Detection Framework for Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9743-9755.	4.9	6
338	Scale-Adaptive Deep Model for Bacterial Raman Spectra Identification. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 369-378.	6.3	18
339	A Novel Multiple-View Adversarial Learning Network for Unsupervised Domain Adaptation Action Recognition. IEEE Transactions on Cybernetics, 2022, 52, 13197-13211.	9.5	8
340	Combining 3D Image and Tabular Data via the Dynamic Affine Feature Map Transform. Lecture Notes in Computer Science, 2021, , 688-698.	1.3	17
341	Weakly-Supervised Universal Lesion Segmentation with Regional Level Set Loss. Lecture Notes in Computer Science, 2021, , 515-525.	1.3	11
342	Light Field Image Super-Resolution via Mutual Attention Guidance. IEEE Access, 2021, 9, 129022-129031.	4.2	0
343	End-to-End Correlation Tracking With Enhanced Multi-Level Feature Fusion. IEEE Access, 2021, 9, 128827-128840.	4.2	1

#	ARTICLE	IF	CITATIONS
344	Research on Intelligent Target Recognition Integrated With Knowledge. IEEE Access, 2021, 9, 137107-137115.	4.2	4
345	Geometry-Guided Dense Perspective Network for Speech-Driven Facial Animation. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 4873-4886.	4.4	8
346	An Unsupervised Approach for Estimating Depth of Outdoor Scenes from Monocular Image. Communications in Computer and Information Science, 2021, , 291-304.	0.5	0
347	LADNet: An Ultra-Lightweight and Efficient Dilated Residual Network With Light-Attention Module. IEEE Access, 2021, 9, 41373-41382.	4.2	2
348	Feature-Level Attention-Guided Multitask CNN for Fault Diagnosis and Working Conditions Identification of Rolling Bearing. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4757-4769.	11.3	40
349	Social Unrest Events Prediction by Contextual Gated Graph Convolutional Networks. Lecture Notes in Computer Science, 2021, , 220-233.	1.3	0
350	Implementation of surface crack detection method for nuclear fuel pellets guided by convolution neural network. Journal of Nuclear Science and Technology, 2021, 58, 787-796.	1.3	6
351	Monaural Speech Separation Using Speaker Embedding From Preliminary Separation. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2753-2763.	5.8	7
352	Lightweight Asymmetric Dilation Network for Real-Time Semantic Segmentation. IEEE Access, 2021, 9, 55630-55643.	4.2	4
353	AVNC: Attention-Based VGG-Style Network for COVID-19 Diagnosis by CBAM. IEEE Sensors Journal, 2022, 22, 17431-17438.	4.7	74
354	Attention-Modulated Triplet Network for Face Sketch Recognition. IEEE Access, 2021, 9, 12914-12921.	4.2	1
355	Lightweight Feedback Convolution Neural Network for Remote Sensing Images Super-Resolution. IEEE Access, 2021, 9, 15992-16003.	4.2	8
356	Deep Super-Resolution Network for rPPG Information Recovery and Noncontact Heart Rate Estimation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	18
357	An Efficient Memristor-Based Circuit Implementation of Squeeze-and-Excitation Fully Convolutional Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1779-1790.	11.3	31
358	Strengthen the Feature Distinguishability of Geo-Object Details in the Semantic Segmentation of High-Resolution Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2327-2340.	4.9	8
359	Development of artificial intelligence system for quality control of photo documentation in esophagogastroduodenoscopy. Surgical Endoscopy and Other Interventional Techniques, 2022, 36, 57-65.	2.4	15
360	Weakly supervised mitosis detection using ellipse label on attention Mask R-CNN. , 2021, , .		0
361	COMET: Context-Aware IoU-Guided Network for Small Object Tracking. Lecture Notes in Computer Science, 2021, , 594-611.	1.3	8

#	ARTICLE	IF	CITATIONS
362	MA Mask R-CNN: MPR and AFPN Based Mask R-CNN. Communications in Computer and Information Science, 2021, , 233-245.	0.5	0
363	Two-stage multitask U-Net construction for pulmonary nodule segmentation and malignancy risk prediction. Quantitative Imaging in Medicine and Surgery, 2022, 12, 292-309.	2.0	17
364	Center Attention Network for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3415-3425.	4.9	17
365	Rethinking of Deep Models Parameters with Respect to Data Distribution. , 2021, , .		0
366	GSTO: Gated Scale-Transfer Operation for Multi-Scale Feature Learning in Semantic Segmentation. , 2021, , .		0
367	Directed Variational Cross-encoder Network for Few-shot Multi-image Co-segmentation. , 2021, , .		0
368	A Duplex Spatiotemporal Filtering Network for Video-based Person Re-identification. , 2021, , .		1
369	\$P^{2}\$ Net: Augmented Parallel-Pyramid Net for Attention Guided Pose Estimation. , 2021, , .		0
370	Contextual Classification Using Self-Supervised Auxiliary Models for Deep Neural Networks. , 2021, , .		1
371	CAMV: Class Activation Mapping Value Towards Open Set Fine-Grained Recognition. IEEE Access, 2021, 9, 8167-8177.	4.2	3
372	Deep Rational Attention Network With Threshold Strategy Embedded for Mechanical Fault Diagnosis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	20
373	Current Frame Priors Assisted Neural Network for Intra Prediction. IEEE Access, 2021, 9, 112359-112371.	4.2	0
374	IDANet: An Information Distillation and Aggregation Network for Speech Enhancement. IEEE Signal Processing Letters, 2021, 28, 1998-2002.	3.6	2
375	Interleaved Deep Artifacts-Aware Attention Mechanism for Concrete Structural Defect Classification. IEEE Transactions on Image Processing, 2021, 30, 6957-6969.	9.8	14
376	A Multiscale Attention Network for Remote Sensing Scene Images Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9530-9545.	4.9	33
377	Harmony Loss for Unbalanced Prediction. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 828-839.	6.3	2
378	TMMF: Temporal Multi-Modal Fusion for Single-Stage Continuous Gesture Recognition. IEEE Transactions on Image Processing, 2021, 30, 7689-7701.	9.8	23
379	Hierarchical Alternate Interaction Network for RGB-D Salient Object Detection. IEEE Transactions on Image Processing, 2021, 30, 3528-3542.	9.8	157

#	ARTICLE	IF	CITATIONS
380	Attention-based LSTM-FCN for earthquake detection and location. Geophysical Journal International, 2021, 228, 1568-1576.	2.4	12
381	FER-YOLO: Detection and Classification Based on Facial Expressions. Lecture Notes in Computer Science, 2021, , 28-39.	1.3	1
382	A Non-Intrusive Deep Learning Based Diagnosis System for Elevators. IEEE Access, 2021, 9, 20993-21003.	4.2	2
383	Adding Before Pruning: Sparse Filter Fusion for Deep Convolutional Neural Networks via Auxiliary Attention. IEEE Transactions on Neural Networks and Learning Systems, 2024, PP, 1-13.	11.3	5
384	SAPN: Spatial Attention Pyramid Network for Cross-Domain Person Re-Identification. Lecture Notes in Computer Science, 2021, , 58-69.	1.3	0
385	A Lightweight Multiscale Attention Semantic Segmentation Algorithm for Detecting Laser Welding Defects on Safety Vent of Power Battery. IEEE Access, 2021, 9, 39245-39254.	4.2	19
386	Subband Adaptive Image Deblocking Using Wavelet Based Convolutional Neural Networks. IEEE Access, 2021, 9, 62593-62601.	4.2	4
387	Multi-Channel Feature Dimension Adaption for Correlation Tracking. IEEE Access, 2021, 9, 63814-63824.	4.2	1
388	A Feature-Cascaded Correntropy LSTM for Tourists Prediction. IEEE Access, 2021, 9, 32810-32822.	4.2	0
389	Transferable Adversarial Attacks for Deep Scene Text Detection. , 2021, , .		0
390	Residual Fractal Network for Single Image Super Resolution by Widening and Deepening. , 2021, , .		1
391	Position-aware and Symmetry Enhanced GAN for Radial Distortion Correction. , 2021, , .		0
392	PCANet: Pyramid Context-aware Network for Retinal Vessel Segmentation. , 2021, , .		4
393	Multi-Stream Refining Network for Person Re-Identification. IEEE Access, 2021, 9, 6596-6607.	4.2	1
394	Adversarial Edge-Aware Image Colorization With Semantic Segmentation. IEEE Access, 2021, 9, 28194-28203.	4.2	14
395	Hodge and Podge: Hybrid Supervised Sound Event Detection with Multi-Hot MixMatch and Composition Consistence Training. , 2021, , .		0
396	Deep Learning-Based Object Detection Improvement for Fine-Grained Birds. IEEE Access, 2021, 9, 67901-67915.	4.2	4
397	Operation and Topology Aware Fast Differentiable Architecture Search. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
398	Multiscale CNN Based on Component Analysis for SAR ATR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	55
399	Context-Aware Residual Module for Image Classification. , 2021, , .		0
400	Attention Stereo Matching Network. , 2021, , .		1
401	A Nested Residual Encoder-Decoder Network for Overhead Contact System Fastener Anomaly Detection. IEEE Access, 2021, 9, 74959-74968.	4.2	3
402	Imbalanced High-Resolution SAR Ship Recognition Method Based on a Lightweight CNN. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	9
403	CacheTrack-YOLO: Real-Time Detection and Tracking for Thyroid Nodules and Surrounding Tissues in Ultrasound Videos. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3812-3823.	6.3	19
404	C <sup>2</sup> MA-Net: Cross-Modal Cross-Attention Network for Acute Ischemic Stroke Lesion Segmentation Based on CT Perfusion Scans. IEEE Transactions on Biomedical Engineering, 2022, 69, 108-118.	4.2	18
405	One-for-All: An Efficient Variable Convolution Neural Network for In-Loop Filter of VVC. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2342-2355.	8.3	17
406	CEGFNet: Common Extraction and Gate Fusion Network for Scene Parsing of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	8
407	Analyzing Multimodal Sentiment Via Acoustic- and Visual-LSTM With Channel-Aware Temporal Convolution Network. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 1424-1437.	5.8	45
408	MGML: Multigranularity Multilevel Feature Ensemble Network for Remote Sensing Scene Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2308-2322.	11.3	17
409	Robust Scale-Aware Stereo Matching Network. IEEE Transactions on Artificial Intelligence, 2022, 3, 244-253.	4.7	4
410	Few Trust Data Guided Annotation Refinement for Upper Gastrointestinal Anatomy Recognition. Lecture Notes in Computer Science, 2021, , 561-570.	1.3	0
411	Using an Improved YOLOv5 Network for the Automatic Detection of Silicon on Wheat Straw Epidermis of Micrographs. SSRN Electronic Journal, 0, , .	0.4	0
412	Welding Surface Inspection of Armatures via CNN and Image Comparison. IEEE Sensors Journal, 2021, 21, 21696-21704.	4.7	4
413	A GCN-Based Method for Extracting Power Lines and Pylons From Airborne LiDAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	9
414	CAB-Net: Channel Attention Block Network for Pathological Image Cell Nucleus Segmentation. Lecture Notes in Computer Science, 2021, , 654-663.	1.3	0
415	HOG-ShipCLSNet: A Novel Deep Learning Network With HOG Feature Fusion for SAR Ship Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-22.	6.3	64

#	ARTICLE	IF	CITATIONS
416	Second-order Attention Guided Convolutional Activations for Visual Recognition. , 2021, , .		0
417	Feature-Dependent Cross-Connections in Multi-Path Neural Networks. , 2021, , .		1
418	Dynamic Multi-path Neural Network. , 2021, , .		0
419	A Common Steganalysis Method of Low Embedding Rate Steganography in Compressed Speech Based on Hierarchy Feature Extraction and Fusion. Communications in Computer and Information Science, 2021, , 323-334.	0.5	0
420	Man-Made Threat Event Recognition Based on Distributed Optical Fiber Vibration Sensing and SE-WaveNet. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	13
421	Arbitrary Style Transfer with Parallel Self-Attention. , 2021, , .		2
422	Rotation Invariant Aerial Image Retrieval with Group Convolutional Metric Learning. , 2021, , .		1
423	CANet: An Unsupervised Deep Convolutional Neural Network for Efficient Cluster-Analysis-Based Multibaseline InSAR Phase Unwrapping. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	18
424	Edge Profile Super Resolution. IEEE Access, 2021, 9, 121305-121315.	4.2	1
425	Design of an Online Detection System for COVID-19 based on Attention Mechanism. Frontiers in Signal Processing, 2021, 5, .	0.5	1
426	An Improved Detection Method of Human Target at Sea Based on Yolov3. , 2021, , .		6
427	Co-attention Spatial Reasoning for Visual Question Answering. Journal of Physics: Conference Series, 2021, 1828, 012145.	0.4	0
428	Deep Learning Approaches on Defect Detection in High Resolution Aerial Images of Insulators. Sensors, 2021, 21, 1033.	3.8	56
429	Serial attention network for skin lesion segmentation. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 799-810.	4.9	13
430	Cropping and attention based approach for masked face recognition. Applied Intelligence, 2021, 51, 3012-3025.	5.3	124
431	A Novel Automatic Modulation Classification Method Using Attention Mechanism and Hybrid Parallel Neural Network. Applied Sciences (Switzerland), 2021, 11, 1327.	2.5	20
432	A dual-attention V-Net network for pulmonary lobe segmentation in CT scans. IET Image Processing, 2021, 15, 1644-1654.	2.5	12
433	Blind image quality assessment based on the multiscale and dual-domains features fusion. Concurrency Computation Practice and Experience, 2023, 35, e6177.	2.2	14

#	ARTICLE	IF	CITATIONS
434	3D Object Detection Using Frustums and Attention Modules for Images and Point Clouds. Signals, 2021, 2, 98-107.	1.9	5
435	Development of a deep-learning system for detection of lattice degeneration, retinal breaks, and retinal detachment in tessellated eyes using ultra-wide-field fundus images: a pilot study. Graefe's Archive for Clinical and Experimental Ophthalmology, 2021, 259, 2225-2234.	1.9	15
436	MR Images, Brain Lesions, and Deep Learning. Applied Sciences (Switzerland), 2021, 11, 1675.	2.5	14
437	Multi-Grained Attention Networks for Single Image Super-Resolution. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 512-522.	8.3	42
438	Research on Surface Defect Detection of Solar Pv Panels Based on Pre-Training Network and Feature Fusion. IOP Conference Series: Earth and Environmental Science, 0, 651, 022071.	0.3	2
439	Building Damage Detection Using U-Net with Attention Mechanism from Pre- and Post-Disaster Remote Sensing Datasets. Remote Sensing, 2021, 13, 905.	4.0	48
440	An FPGA-based accelerator for deep neural network with novel reconfigurable architecture. IEICE Electronics Express, 2021, 18, 20210012-20210012.	0.8	6
441	Design of hybrid neural networks of the ensemble structure. Eastern-European Journal of Enterprise Technologies, 2021, 1, 31-45.	0.5	0
442	Boosted EfficientNet: Detection of Lymph Node Metastases in Breast Cancer Using Convolutional Neural Networks. Cancers, 2021, 13, 661.	3.7	60
443	Continuous Human Motion Recognition Using Micro-Doppler Signatures in the Scenario With Micro Motion Interference. IEEE Sensors Journal, 2021, 21, 5022-5034.	4.7	16
444	Video Captioning Based on Channel Soft Attention and Semantic Reconstructor. Future Internet, 2021, 13, 55.	3.8	12
445	An intelligent electromagnetic environment reconstruction method based on super-resolution generative adversarial network. Physical Communication, 2021, 44, 101253.	2.1	5
446	Accurately Discriminating COVID-19 from Viral and Bacterial Pneumonia According to CT Images Via Deep Learning. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 273-285.	3.6	19
447	Fault detection of railway freight cars mechanical components based on multi-feature fusion convolutional neural network. International Journal of Machine Learning and Cybernetics, 2021, 12, 1789-1801.	3.6	14
448	Dual attention deep fusion semantic segmentation networks of large-scale satellite remote-sensing images. International Journal of Remote Sensing, 2021, 42, 3583-3610.	2.9	43
449	A squeeze and excitation ResNeXt-based deep learning model for Bangla handwritten compound character recognition. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 3356-3364.	3.9	17
450	Predicting dynamic cellular proteinâ€“RNA interactions by deep learning using in vivo RNA structures. Cell Research, 2021, 31, 495-516.	12.0	64
451	Person Reidentification Model Based on Multiattention Modules and Multiscale Residuals. Complexity, 2021, 2021, 1-10.	1.6	0

#	ARTICLE	IF	CITATIONS
452	Deep learning for industrial image: challenges, methods for enriching the sample space and restricting the hypothesis space, and possible issue. International Journal of Computer Integrated Manufacturing, 2022, 35, 1077-1106.	4.6	10
453	DSENet: Double three-dimensional squeeze-and-excitation network for pulmonary nodule detection. , 2021, , .		1
454	A keypoint-based object detection method with wide dual-path backbone network and attention modules. IET Image Processing, 2021, 15, 1800-1813.	2.5	1
455	Convolutional neural networks for PET functional volume fully automatic segmentation: development and validation in a multi-center setting. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3444-3456.	6.4	15
456	A novel Siamese Attention Network for visual object tracking of autonomous vehicles. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2021, 235, 2764-2775.	1.9	4
457	Dangerous Driving Behavior Recognition using CA-CenterNet. , 2021, , .		1
458	Self-Channel Attention Weighted Part for Person Re-Identification. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, E104.A, 665-670.	0.3	2
459	Meta-Learning based Siamese Network with Channel-wise Self-attention for Visual Tracking. , 2021, , .		0
460	Research on a Pedestrian Detection Algorithm Based on Improved SSD Network. Journal of Physics: Conference Series, 2021, 1802, 032073.	0.4	0
461	Development and evaluation of a deep learning model for the detection of multiple fundus diseases based on colour fundus photography. British Journal of Ophthalmology, 2021, , bjophthalmol-2020-316290.	3.9	14
462	Multi-label Image Recognition with Asymmetric Co- Dependency Graphs. , 2021, , .		1
463	Fine-grained image classification model based on improved SqueezeNet. , 2021, , .		3
464	A New CBAM-P-Net Model for Few-Shot Forest Species Classification Using Airborne Hyperspectral Images. Remote Sensing, 2021, 13, 1269.	4.0	21
465	PSigmoid: Improving squeeze-and-excitation block with parametric sigmoid. Applied Intelligence, 2021, 51, 7427-7439.	5.3	7
466	ASCU-Net: Attention Gate, Spatial and Channel Attention U-Net for Skin Lesion Segmentation. Diagnostics, 2021, 11, 501.	2.6	67
467	Efficient Attention Mechanism for Dynamic Convolution in Lightweight Neural Network. Applied Sciences (Switzerland), 2021, 11, 3111.	2.5	3
468	Scale adaptive and lightweight super-resolution with a selective hierarchical residual network. , 2021, , .		0
469	Intelligent Robust Base-Station Research in Harsh Outdoor Wilderness Environments for Wildsense. KSII Transactions on Internet and Information Systems, 2021, 15, .	0.3	0

#	ARTICLE	IF	CITATIONS
470	Accurate age classification using manual method and deep convolutional neural network based on orthopantomogram images. International Journal of Legal Medicine, 2021, 135, 1589-1597.	2.2	35
471	Encoding-decoding Network With Pyramid Self-attention Module For Retinal Vessel Segmentation. International Journal of Automation and Computing, 0, , 1.	4.5	11
472	M <sup>2</sup> -Net: deep network for arbitrary oriented vehicle detection in MiniSAR images. Engineering Computations, 2021, 38, 2969-2995.	1.4	3
473	Hyperspectral Images Ground Object Recognition Based on Split Attention. , 2021, , .		2
474	Context-Aware Emotion Recognition in the Wild Using Spatio-Temporal and Temporal-Pyramid Models. Sensors, 2021, 21, 2344.	3.8	3
475	A survey of deep learning-based visual question answering. Journal of Central South University, 2021, 28, 728-746.	3.0	4
476	A Comparative Study of the Deep Learning Approaches used for Pneumonia Detection. International Journal for Research in Applied Science and Engineering Technology, 2021, 9, 1458-1473.	0.1	0
477	Evaluation of lung involvement in COVID-19 pneumonia based on ultrasound images. BioMedical Engineering OnLine, 2021, 20, 27.	2.7	13
479	Spatial-temporal channel-wise attention network for action recognition. Multimedia Tools and Applications, 2021, 80, 21789-21808.	3.9	2
480	A Spatial Attention based Convolutional Neural Network for Gesture recognition with HD-sEMG signals. , 2021, , .		4
481	An Improved YOLO Leucocyte Classification and Recognition Method. , 2021, , .		1
482	Channel Attention Module in Convolutional Neural Network and Its Application to SAR Target Recognition Under Limited Angular Diversity Condition. Journal of the Korea Institute of Military Science and Technology, 2021, 24, 175-186.	0.2	2
483	MS-Net: A lightweight separable ConvNet for multi-dimensional image processing. Multimedia Tools and Applications, 2021, 80, 25673-25688.	3.9	2
484	A Real-Time Apple Targets Detection Method for Picking Robot Based on Improved YOLOv5. Remote Sensing, 2021, 13, 1619.	4.0	318
485	Attention-based Efficient Lightweight Model for Accurate Real-Time Face Verification on Embedded Device. , 2021, , .		1
486	Mutual Attention Learning Network for Domain Adaptive Person Re-identification. Journal of Physics: Conference Series, 2021, 1873, 012044.	0.4	0
487	Research on Crowd Counting Based on Attention Mechanism and Dilation Convolution. , 2021, , .		0
488	A Survey of Algorithmic and Hardware Optimization Techniques for Vision Convolutional Neural Networks on FPGAs. Neural Processing Letters, 2021, 53, 2331-2377.	3.2	8

#	ARTICLE	IF	CITATIONS
489	Deep learning in photoacoustic imaging: a review. Journal of Biomedical Optics, 2021, 26, .	2.6	38
490	Computational model for predicting user aesthetic preference for GUI using DCNNs. CCF Transactions on Pervasive Computing and Interaction, 2021, 3, 147-169.	2.6	4
491	A deep learning-based computer-aided diagnosis method of X-ray images for bone age assessment. Complex & Intelligent Systems, 2022, 8, 1929-1939.	6.5	21
492	Document Layout Analysis with an Enhanced Object Detector. , 2021, , .		4
493	Real-Time Face Mask Detection Method Based on YOLOv3. Electronics (Switzerland), 2021, 10, 837.	3.1	94
494	A Person Re-Identification Scheme Using Local Multiscale Feature Embedding with Dual Pyramids. Applied Sciences (Switzerland), 2021, 11, 3363.	2.5	0
495	A Deep Learning Based Framework for Diagnosing Multiple Skin Diseases in a Clinical Environment. Frontiers in Medicine, 2021, 8, 626369.	2.6	26
496	A Biomimetic Covering Learning Method Based on Principle of Homology Continuity. ASP Transactions on Pattern Recognition and Intelligent Systems, 2021, 1, 9-16.	2.5	37
497	L2MXception: an improved Xception network for classification of peach diseases. Plant Methods, 2021, 17, 36.	4.3	16
498	Data Fusion Framework For The Prediction Of Early Hematoma Expansion Based On CNN. , 2021, , .		1
499	Lightweight attention convolutional neural network through network slimming for robust facial expression recognition. Signal, Image and Video Processing, 2021, 15, 1507-1515.	2.7	18
500	An efficient deep convolutional neural network model for visual localization and automatic diagnosis of thyroid nodules on ultrasound images. Quantitative Imaging in Medicine and Surgery, 2021, 11, 1368-1380.	2.0	19
502	Mo-BoNet: A TIME SERIES CLASSIFICATION MODEL BASED ON COMPUTER VISION. Journal of Physics: Conference Series, 2021, 1848, 012070.	0.4	0
503	Deployment of Compressed MobileNet V3 on iMX RT 1060. , 2021, , .		0
504	Interpretable Deep Model For Predicting Gene-Addicted Non-Small-Cell Lung Cancer In Ct Scans. , 2021, , .		1
505	Progressive Semantic Reasoning for Image Inpainting. , 2021, , .		1
506	Using Generative Adversarial Networks Based on Dual Attention Mechanism to Generate Face Images. , 2021, , .		0
507	GSA-GAN: Global Spatial Attention Generative Adversarial Networks. Neurocomputing, 2021, 437, 274-281.	5.9	2

#	ARTICLE	IF	CITATIONS
509	A fast and effective detection framework for whole-slide histopathology image analysis. PLoS ONE, 2021, 16, e0251521.	2.5	7
511	Vehicle counting method based on attention mechanism SSD and state detection. Visual Computer, 2022, 38, 2871-2881.	3.5	4
512	Offline signature verification using a region based deep metric learning network. Pattern Recognition, 2021, 118, 108009.	8.1	28
513	A Hybrid Convolutional Network for Prediction of Anti-cancer Drug Response. , 2021, , .		0
514	Multiscale Residual Network Based on Channel Spatial Attention Mechanism for Multilabel ECG Classification. Journal of Healthcare Engineering, 2021, 2021, 1-13.	1.9	5
515	Research on seismic wave first arrival Picking Based on improved U-Net. Journal of Physics: Conference Series, 2021, 1920, 012041.	0.4	2
516	3D Visualization of Brain Tumors via Artificial Intelligence. , 2021, , .		0
517	Scene text detection by adaptive feature selection with text scale-aware loss. Applied Intelligence, 2022, 52, 514-529.	5.3	4
518	Automatic Modulation Recognition for Overlapping Radar Signals based on Multi-Domain SE-ResNeXt. , 2021, , .		6
519	Active jamming recognition based on bilinear EfficientNet and Attention mechanism. IET Radar, Sonar and Navigation, 2021, 15, 957-968.	1.8	9
520	Real Time Arrhythmia Monitoring and Classification Based on Edge Computing and DNN. Wireless Communications and Mobile Computing, 2021, 2021, 1-9.	1.2	3
521	Federated Learning for Thyroid Ultrasound Image Analysis to Protect Personal Information: Validation Study in a Real Health Care Environment. JMIR Medical Informatics, 2021, 9, e25869.	2.6	29
523	A Survey on Variational Autoencoders from a Green AI Perspective. SN Computer Science, 2021, 2, 1.	3.6	20
524	Three-dimensional residual channel attention networks denoise and sharpen fluorescence microscopy image volumes. Nature Methods, 2021, 18, 678-687.	19.0	94
525	A Universal Automatic Bottom Tracking Method of Side Scan Sonar Data Based on Semantic Segmentation. Remote Sensing, 2021, 13, 1945.	4.0	20
526	Lightweight and efficient asymmetric network design for real-time semantic segmentation. Applied Intelligence, 2022, 52, 564-579.	5.3	23
527	A fault diagnosis method for an electro-hydraulic directional valve based on intrinsic mode functions and weighted densely connected convolutional networks. Measurement Science and Technology, 2021, 32, 084015.	2.6	7
528	An Improved Image Segmentation Model based on U-Net for Interventional Intravascular Robots. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
529	Unsupervised gender prediction based on deep facial features. , 2021, , .		2
530	Evaluation of deep learning algorithms for semantic segmentation of car parts. Complex & Intelligent Systems, 2022, 8, 3613-3625.	6.5	22
531	Knitted fabric and nonwoven fabric pilling objective evaluation based on SONet. Journal of the Textile Institute, 2022, 113, 1418-1427.	1.9	3
532	Deep metric learning-based image retrieval system for chest radiograph and its clinical applications in COVID-19. Medical Image Analysis, 2021, 70, 101993.	11.6	46
533	Multi-view Multichannel Attention Graph Convolutional Network for miRNAâ€“disease association prediction. Briefings in Bioinformatics, 2021, 22, .	6.5	74
534	Dual attention per-pixel filter network for spatially varying image deblurring. , 2021, 113, 103008.		5
535	Unsupervised Domain Adaptive Object Detection Based on Channel Recalibration and Ancillary Net. , 2021, , .		0
536	LEâ€“MSFEâ€“DDNet: a defect detection network based on low-light enhancement and multi-scale feature extraction. Visual Computer, 2022, 38, 3731-3745.	3.5	18
537	Attention-Guided Second-Order Pooling Convolutional Networks. , 2021, , .		1
538	Adaptive Multi-Domain Learning for Outdoor 3d Human Pose and Shape Estimation. , 2021, , .		0
539	Automatic Face Recognition for Forensic Identification of Persons Deceased in Humanitarian Emergencies. , 2021, , .		0
540	Detection of Fuchsâ€™™ Uveitis Syndrome From Slit-Lamp Images Using Deep Convolutional Neural Networks in a Chinese Population. Frontiers in Cell and Developmental Biology, 2021, 9, 684522.	3.7	2
541	Cross Attention Squeeze Excitation Network (CASE-Net) for Whole Body Fetal MRI Segmentation. Sensors, 2021, 21, 4490.	3.8	7
542	Using CFSVM model to classify stars from three-colour images. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4095-4101.	4.4	5
543	NTIRE 2021 Multi-modal Aerial View Object Classification Challenge. , 2021, , .		14
544	SBNet: Segmentation-based Network for Natural Language-based Vehicle Search. , 2021, , .		4
545	Intelligent recognition of rough handling of express parcels based on CNN-GRU with the channel attention mechanism. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 973-990.	4.9	5
546	Multiscale Information Fusion for Hyperspectral Image Classification Based on Hybrid 2D-3D CNN. Remote Sensing, 2021, 13, 2268.	4.0	36

#	ARTICLE	IF	CITATIONS
547	Multi-Parametric Fusion of 3D Power Doppler Ultrasound for Fetal Kidney Segmentation Using Fully Convolutional Neural Networks. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2050-2057.	6.3	11
548	Hyperspectral image classification with dual attention dense residual network. International Journal of Remote Sensing, 2021, 42, 5604-5625.	2.9	4
549	A Fast and Efficient Face Pose Estimation Algorithm for Mobile Device. , 2021, , .		0
550	A novel deep learning framework for lung nodule detection in 3d CT images. Multimedia Tools and Applications, 2021, 80, 30539-30555.	3.9	13
551	Efficient Multi-Organ Multi-Center Cell Nuclei Segmentation Method Based on Deep Learnable Aggregation Network. Traitement Du Signal, 2021, 38, 653-661.	1.3	1
552	Multi-Task Collaboration Deep Learning Framework for Infrared Precipitation Estimation. Remote Sensing, 2021, 13, 2310.	4.0	4
553	Occluded Pedestrian Detection Techniques by Deformable Attention-Guided Network (DAGN). Applied Sciences (Switzerland), 2021, 11, 6025.	2.5	8
554	Automated Recognition of Ultrasound Cardiac Views Based on Deep Learning with Graph Constraint. Diagnostics, 2021, 11, 1177.	2.6	3
555	SeeHear: Signer Diarisation and a New Dataset. , 2021, , .		1
556	Audio-Visual Speech Separation Using Cross-Modal Correspondence Loss. , 2021, , .		3
557	Dense Attention Module for Accurate Pulmonary Nodule Detection. , 2021, , .		1
558	On the Computational Power of Convolution Pooling: A Theoretical Approach for Deep Learning. , 2021, , .		0
559	Lightweighth Convolutional Neural Networks for Person Re-Identification. , 2021, , .		0
560	A Novel Channel Attention Mechanism for Human Action Recognition Based on Convolutional Kernel. Journal of Physics: Conference Series, 2021, 1944, 012015.	0.4	1
561	GCSENet: A GCN, CNN and SENet ensemble model for microRNA-disease association prediction. PLoS Computational Biology, 2021, 17, e1009048.	3.2	12
562	SphinxNet - A Lightweight Network for Single Image Deraining. , 2021, , .		1
563	Learned snakes for 3D image segmentation. Signal Processing, 2021, 183, 108013.	3.7	8
564	Transferable face image privacy protection based on federated learning and ensemble models. Complex & Intelligent Systems, 2021, 7, 2299-2315.	6.5	20

#	ARTICLE	IF	CITATIONS
565	Wild Mushroom Recognition Based on Attention Mechanism and Feature Pyramid. , 2021, , .		0
566	Multi-Depth Adaptive Networks For Wireless Interference Identification. , 2021, , .		7
567	Detecting cerebral microbleeds via deep learning with features enhancement by reusing ground truth. Computer Methods and Programs in Biomedicine, 2021, 204, 106051.	4.7	9
568	First Full-Event Reconstruction from Imaging Atmospheric Cherenkov Telescope Real Data with Deep Learning. , 2021, , .		4
569	Multi-Modal Retinal Image Classification With Modality-Specific Attention Network. IEEE Transactions on Medical Imaging, 2021, 40, 1591-1602.	8.9	43
570	DEEPLIO: DEEP LIDAR INERTIAL SENSOR FUSION FOR ODOMETRY ESTIMATION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-1-2021, 47-54.	0.0	5
571	End-to-end autonomous driving decision model joined by attention mechanism and spatiotemporal features. IET Intelligent Transport Systems, 2021, 15, 1119-1130.	3.0	5
573	3D target detection using dual domain attention and SIFT operator in indoor scenes. Visual Computer, 2022, 38, 3765-3774.	3.5	6
574	Hybrid spatial-spectral feature in broad learning system for Hyperspectral image classification. Applied Intelligence, 2022, 52, 2801-2812.	5.3	7
575	Pulmonary Nodule Detection Based on Three-Dimensional Multiscale Convolutional Neural Network with Channel and Spatial Attention. Journal of Medical Imaging and Health Informatics, 2021, 11, 1551-1559.	0.3	0
576	Fuse-PN: A Novel Architecture for Anomaly Pattern Segmentation in Aerial Agricultural Images. , 2021, , .		4
577	Network Space Search for Pareto-Efficient Spaces. , 2021, , .		0
578	A Convolutional Neural Network Based on Grouping Structure for Scene Classification. Remote Sensing, 2021, 13, 2457.	4.0	12
579	An efficient Group Skip-Connecting Network for image super-resolution. Knowledge-Based Systems, 2021, 222, 107017.	7.1	8
580	Multi-Scale Feature-Guided Stereoscopic Video Quality Assessment Based on 3d Convolutional Neural Network. , 2021, , .		9
581	Speech Enhancement Autoencoder with Hierarchical Latent Structure. , 2021, , .		1
582	An Attention Based Wavelet Convolutional Model for Visual Saliency Detection. , 2021, , .		1
583	Leveraging attention-based visual clue extraction for image classification. IET Image Processing, 2021, 15, 2937-2947.	2.5	2

#	ARTICLE	IF	CITATIONS
584	Sea Surface Object Detection Algorithm Based on YOLO v4 Fused with Reverse Depthwise Separable Convolution (RDSC) for USV. Journal of Marine Science and Engineering, 2021, 9, 753.	2.6	38
585	Rapid identification method of fresh tea leaves based on lightweight model. , 2021, , .		2
586	Image Inpainting Using Edge Structure Aware Hierarchical Guidance. , 2021, , .		0
587	MEAD: a Mask-guidEd Anchor-free Detector for oriented aerial object detection. Applied Intelligence, 2022, 52, 4382-4397.	5.3	8
588	Stock Price Forecast Based on CNN-BiLSTM-ECA Model. Scientific Programming, 2021, 2021, 1-20.	0.7	17
589	SSS-Net for Scene Text Recognition. , 2021, , .		0
590	Anterior chamber angle classification in anterior segment optical coherence tomography images using hybrid attention based pyramidal convolutional network. Biomedical Signal Processing and Control, 2021, 68, 102686.	5.7	7
591	Intra-Pulse Modulation Classification of Radar Emitter Signals Based on a 1-D Selective Kernel Convolutional Neural Network. Remote Sensing, 2021, 13, 2799.	4.0	15
592	Hybridizing Cross-Level Contextual and Attentive Representations for Remote Sensing Imagery Semantic Segmentation. Remote Sensing, 2021, 13, 2986.	4.0	13
593	A Novel and High-Accuracy Rumor Detection Approach using Kernel Subtree and Deep Learning Networks. , 2021, , .		0
594	Information Reuse Attention in Convolutional Neural Networks for Facial Expression Recognition in the Wild. , 2021, , .		3
595	Single Image Super-Resolution Algorithm Based on Enhanced Generative Adversarial Network. , 2021, , .		0
596	Quad-FPN: A Novel Quad Feature Pyramid Network for SAR Ship Detection. Remote Sensing, 2021, 13, 2771.	4.0	115
597	Multi-task learning with Multi-view Weighted Fusion Attention for artery-specific calcification analysis. Information Fusion, 2021, 71, 64-76.	19.1	26
598	Deep associative learning for neural networks. Neurocomputing, 2021, 443, 222-234.	5.9	4
599	Optimization on multi-object tracking and segmentation in pigs's weight measurement. Computers and Electronics in Agriculture, 2021, 186, 106190.	7.7	7
600	Method for measurement of collagen monomer orientation in fluorescence microscopy. Journal of Biomedical Optics, 2021, 26, .	2.6	2
601	Generative Adversarial Networks Using Neural Architecture Search for Semantic Image Segmentation. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
602	Stereo Superpixel Segmentation Via Dual-Attention Fusion Networks. , 2021, , .		2
604	A Novel Multi-Scale Attention PFE-UNet for Forest Image Segmentation. Forests, 2021, 12, 937.	2.1	4
605	A Novel Facial Expression Recognition Method Based on AMSSD Model. , 2021, , .		0
606	3D Multi-Branch Encoder-Decoder Networks with Attentional Feature Fusion for Pulmonary Nodule Detection in CT Scans. , 2021, , .		1
607	SeMo-YOLO: A Multiscale Object Detection Network in Satellite Remote Sensing Images. , 2021, , .		8
608	A Double Feature Fusion Network with Progressive Learning for Sharper Inpainting. , 2021, , .		0
609	Rock thin sections identification based on improved squeeze-and-Excitation Networks model. Computers and Geosciences, 2021, 152, 104780.	4.2	19
610	Construction of the efficient attention prototypical net based on the timeâ€‘frequency characterization of vibration signals under noisy small sample. Measurement: Journal of the International Measurement Confederation, 2021, 179, 109412.	5.0	13
611	A strip steel surface defect detection method based on attention mechanism and multi-scale maxpooling. Measurement Science and Technology, 2021, 32, 115401.	2.6	28
612	Attention Residual Network with 3D convolutional neural network for 3D Human Pose Estimation. , 2021, , .		1
613	An explicit self-attention-based multimodality CNN in-loop filter for versatile video coding. Multimedia Tools and Applications, 2022, 81, 42497-42511.	3.9	6
614	Learning Effective Discriminative Features with Differentiable Magnet Loss. , 2021, , .		0
615	ATCC: Accurate tracking by criss-cross location attention. Image and Vision Computing, 2021, 111, 104188.	4.5	5
616	A Novel Approach of Intelligent Computing for Multiperson Pose Estimation with Deep High Spatial Resolution and Multiscale Features. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	1.2	0
617	Effect of Attention Mechanism in Deep Learning-Based Remote Sensing Image Processing: A Systematic Literature Review. Remote Sensing, 2021, 13, 2965.	4.0	77
618	An intelligent computer-aided diagnosis approach for atrial fibrillation detection based on multi-scale convolution kernel and Squeeze-and-Excitation network. Biomedical Signal Processing and Control, 2021, 68, 102778.	5.7	5
619	Text Similarity Measurement Method Based on BiLSTM-SECapsNet Model. , 2021, , .		0
620	Retinal Vessel Segmentation Based on W-Net Conditional Generative Adversarial Nets. Journal of Medical Imaging and Health Informatics, 2021, 11, 2016-2024.	0.3	1

#	ARTICLE	IF	CITATIONS
621	Detection of material on a tray in automatic assembly line based on convolutional neural network. IET Image Processing, 2021, 15, 3400-3409.	2.5	3
622	An Atmospheric Visibility Grading Method Based on Ensemble Learning and Stochastic Weight Average. Atmosphere, 2021, 12, 869.	2.3	2
623	Heart rate estimation from ballistocardiographic signals using deep learning. Physiological Measurement, 2021, 42, 075005.	2.1	4
624	Robust Real-Time Human Action Detection through the Fusion of 3D and 2D CNN. , 2021, , .		0
625	Language Identification Research Based on Dual Attention Mechanism. , 2021, , .		4
626	A research of action recognition based on attention mechanism. Journal of Physics: Conference Series, 2021, 1966, 012003.	0.4	1
627	Learning Attention-Aware Interactive Features for Fine-Grained Vegetable and Fruit Classification. Applied Sciences (Switzerland), 2021, 11, 6533.	2.5	0
628	Probabilistic Residential Load Forecasting Based on Micrometeorological Data and Customer Consumption Pattern. IEEE Transactions on Power Systems, 2021, 36, 3762-3775.	6.5	36
629	Robust Vehicle Speed Measurement Based on Feature Information Fusion for Vehicle Multi-Characteristic Detection. Entropy, 2021, 23, 910.	2.2	9
630	Multi-scale Feature Fusion Network for Blind Deblurring. , 2021, , .		0
631	MRDA-MGFSNet: Network Based on a Multi-Rate Dilated Attention Mechanism and Multi-Granularity Feature Sharer for Image-Based Butterflies Fine-Grained Classification. Symmetry, 2021, 13, 1351.	2.2	5
632	Multiscale attention guided U-Net architecture for cardiac segmentation in short-axis MRI images. Computer Methods and Programs in Biomedicine, 2021, 206, 106142.	4.7	33
633	Let Imbalance Have Nowhere to Hide: Class-Sensitive Feature Extraction for Imbalanced Traffic Classification. , 2021, , .		1
634	Adaptive Texture Distillation Network for Image Hybrid Super-Resolution. , 2021, , .		0
635	VisDG: Towards Spontaneous Visual Dialogue Generation. , 2021, , .		1
636	MRNet: a Multi-scale Residual Network for EEG-based Sleep Staging. , 2021, , .		6
637	An efficient lightweight deep neural network for real-time object 6D pose estimation with RGB-D inputs. , 2021, , .		0
638	Dense Video Captioning with Hierarchical Attention-Based Encoder-Decoder Networks. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
639	COVID-19 diagnosis on CT scan images using a generative adversarial network and concatenated feature pyramid network with an attention mechanism. Medical Physics, 2021, 48, 4334-4349.	3.0	11
641	Using subspaces of weight matrix for evaluating generative adversarial networks with Fr�chet distance. Concurrency Computation Practice and Experience, 0, , e6478.	2.2	0
642	CGAN: closure-guided attention network for salient object detection. Visual Computer, 2022, 38, 3803-3817.	3.5	10
643	CSRDNN: An Integrated Scheme for Single Satellite Image Colorization and Super-Resolution Using Deep Neural Networks. , 2021, , .		0
644	Identity-linked Group Channel Pruning for Deep Neural Networks. , 2021, , .		4
645	Multi-Modal Attention Guided Real-Time Lane Detection. , 2021, , .		3
646	Improved real-time joint object detection and road segmentation multi-task network. , 2021, , .		0
647	Prediction of EGFR Mutation Status Based on 18F-FDG PET/CT Imaging Using Deep Learning-Based Model in Lung Adenocarcinoma. Frontiers in Oncology, 2021, 11, 709137.	2.8	14
648	Multi-channel attention-fusion neural network for brain age estimation: Accuracy, generality, and interpretation with 16,705 healthy MRIs across lifespan. Medical Image Analysis, 2021, 72, 102091.	11.6	30
649	ROSE: real one-stage effort to detect the fingerprint singular point based on multi-scale spatial attention. Signal, Image and Video Processing, 2022, 16, 669-676.	2.7	2
650	Spine2Net: SpineNet with Res2Net and Time-Squeeze-and-Excitation Blocks for Speaker Recognition. , 0, , .		4
651	TDCA-Net: Time-Domain Channel Attention Network for Depression Detection. , 0, , .		9
652	EAAU-Net: Enhanced Asymmetric Attention U-Net for Infrared Small Target Detection. Remote Sensing, 2021, 13, 3200.	4.0	31
653	Landslide Detection from Open Satellite Imagery Using Distant Domain Transfer Learning. Remote Sensing, 2021, 13, 3383.	4.0	29
655	Matrix SegNet: A Practical Deep Learning Framework for Landslide Mapping from Images of Different Areas with Different Spatial Resolutions. Remote Sensing, 2021, 13, 3158.	4.0	21
656	A Novel Brain Image Segmentation Method Using an Improved 3D U-Net Model. Scientific Programming, 2021, 2021, 1-10.	0.7	1
657	Semantic Communication Systems for Speech Transmission. IEEE Journal on Selected Areas in Communications, 2021, 39, 2434-2444.	14.0	158
658	A Multi-Scale Spatial Attention Region Proposal Network for High-Resolution Optical Remote Sensing Imagery. Remote Sensing, 2021, 13, 3362.	4.0	6

#	ARTICLE	IF	CITATIONS
659	Effective Point Cloud Analysis Using Multi-Scale Features. Sensors, 2021, 21, 5574.	3.8	2
661	Machine Learning-Enabled Determination of Diffuseness of Brain Arteriovenous Malformations from Magnetic Resonance Angiography. Translational Stroke Research, 2022, 13, 939-948.	4.2	6
662	TN-USMA Net: Triple normalization-based gastrointestinal stromal tumors classification on multicenter EUS images with ultrasound-specific pretraining and meta attention. Medical Physics, 2021, 48, 7199-7214.	3.0	6
663	Soft matching network with application to defect inspection. Knowledge-Based Systems, 2021, 225, 107045.	7.1	10
664	Automatic Diagnosis of Rice Diseases Using Deep Learning. Frontiers in Plant Science, 2021, 12, 701038.	3.6	55
665	Scene Recognition Using Deep Softpool Capsule Network Based on Residual Diverse Branch Block. Sensors, 2021, 21, 5575.	3.8	6
666	Residual Triplet Attention Network for Single-Image Super-Resolution. Electronics (Switzerland), 2021, 10, 2072.	3.1	2
667	Deep Learning Based Modulation Recognition With Multi-Cue Fusion. IEEE Wireless Communications Letters, 2021, 10, 1757-1760.	5.0	22
668	Underwater target detection with an attention mechanism and improved scale. Multimedia Tools and Applications, 2021, 80, 33747-33761.	3.9	31
669	Iterative sparse and deep learning for accurate diagnosis of Alzheimer's disease. Pattern Recognition, 2021, 116, 107944.	8.1	36
670	NASTER: Non-local Attentional Scene Text Recognizer. , 2021, , .		1
671	Overall Survival Prediction for Gliomas Using a Novel Compound Approach. Frontiers in Oncology, 2021, 11, 724191.	2.8	13
672	Pushing the Limits of Non-Autoregressive Speech Recognition. , 0, , .		11
673	An Effective Mutual Mean Teaching Based Domain Adaptation Method for Sound Event Detection. , 0, , .		2
674	Mutual Information Enhanced Training for Speaker Embedding. , 0, , .		2
675	AEMS: an attention enhancement network of modules stacking for lowlight image enhancement. Visual Computer, 2022, 38, 4203-4219.	3.5	7
676	Joint Feature Enhancement and Speaker Recognition with Multi-Objective Task-Oriented Network. , 0, , .		3
677	No-reference image quality assessment based on multiscale feature representation. IET Image Processing, 2021, 15, 3318-3331.	2.5	2

#	ARTICLE	IF	CITATIONS
678	Integrating Frequency Translational Invariance in TDNNs and Frequency Positional Information in 2D ResNets to Enhance Speaker Verification. , 0, , .		24
679	An Improved Wav2Vec 2.0 Pre-Training Approach Using Enhanced Local Dependency Modeling for Speech Recognition. , 0, , .		3
680	Temporal Convolutional Network with Frequency Dimension Adaptive Attention for Speech Enhancement. , 0, , .		10
681	EnvelopeNet: A robust convolutional neural network with optimal kernels for intelligent fault diagnosis of rolling bearings. Measurement: Journal of the International Measurement Confederation, 2021, 180, 109563.	5.0	12
682	Deep-Learning-Enhanced Multitarget Detection for Endâ€œEdgeâ€œCloud Surveillance in Smart IoT. IEEE Internet of Things Journal, 2021, 8, 12588-12596.	8.7	161
683	Wnet ++: A Nested W-shaped Network with Multiscale Input and Adaptive Deep Supervision for Osteosarcoma Segmentation. , 2021, , .		11
684	Does Face Recognition Error Echo Gender Classification Error?. , 2021, , .		4
685	LFMB-3DFB: A Large-scale Finger Multi-Biometric Database and Benchmark for 3D Finger Biometrics. , 2021, , .		9
686	MEMF: Multi-level-attention embedding and multi-layer-feature fusion model for person re-identification. Pattern Recognition, 2021, 116, 107937.	8.1	20
687	Morphological components detection for super-depth-of-field bio-micrograph based on deep learning. Microscopy (Oxford, England), 2021, , .	1.5	4
688	The 2020 Personalized Voice Trigger Challenge: Open Datasets, Evaluation Metrics, Baseline System and Results. , 0, , .		3
689	ECAPA-TDNN Embeddings for Speaker Diarization. , 0, , .		23
690	Multi-Attentive Detection of the Spider Monkey Whinny in the (Actual) Wild. , 0, , .		3
691	Prediction of breast cancer molecular subtypes using DCE-MRI based on CNNs combined with ensemble learning. Physics in Medicine and Biology, 2021, 66, 175009.	3.0	22
692	Automatic Foveal Avascular Zone Segmentation Using Hessian-Based Filter and U-NetÂDeep Learning Network. IFMBE Proceedings, 2022, , 835-842.	0.3	1
693	A spectral-spatial attention aggregation network for hyperspectral imagery classification. International Journal of Remote Sensing, 2021, 42, 7551-7580.	2.9	4
694	Human Pose Estimation based on Attention Multi-resolution Network. , 2021, , .		3
695	Kernel multi-attention neural network for knowledge graph embedding. Knowledge-Based Systems, 2021, 227, 107188.	7.1	25

#	ARTICLE	IF	CITATIONS
696	Towards improving classification power for one-shot object detection. Neurocomputing, 2021, 455, 390-400.	5.9	10
699	A Remote Sensing Land Cover Classification Algorithm Based on Attention Mechanism. Canadian Journal of Remote Sensing, 2021, 47, 835-845.	2.4	9
700	An optimized two-stage cascaded deep neural network for adrenal segmentation on CT images. Computers in Biology and Medicine, 2021, 136, 104749.	7.0	10
702	COVID-19 early detection for imbalanced or low number of data using a regularized cost-sensitive CapsNet. Scientific Reports, 2021, 11, 18478.	3.3	5
703	Cuffless blood pressure estimation based on composite neural network and graphics information. Biomedical Signal Processing and Control, 2021, 70, 103001.	5.7	16
704	Progressively Inpainting Images Based on a Forked-Then-Fused Decoder Network. Sensors, 2021, 21, 6336.	3.8	2
705	Dendritic neuron model trained by information feedback-enhanced differential evolution algorithm for classification. Knowledge-Based Systems, 2021, 233, 107536.	7.1	27
706	Multiple abnormality classification in wireless capsule endoscopy images based on EfficientNet using attention mechanism. Review of Scientific Instruments, 2021, 92, 094102.	1.3	5
707	SAGAN: Skip-Attention GAN For Anomaly Detection. , 2021, , .		12
708	Joint Co-Attention And Co-Reconstruction Representation Learning For One-Shot Object Detection. , 2021, , .		1
709	Bottom-Up Saliency Meets Top-Down Semantics For Object Detection. , 2021, , .		2
710	A Secure Biometric Key Generation Mechanism via Deep Learning and Its Application. Applied Sciences (Switzerland), 2021, 11, 8497.	2.5	6
711	Extraction of land covers from remote sensing images based on a deep learning model of NDVI-RSU-Net. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	5
712	Automatic segmentation tool for 3D digital rocks by deep learning. Scientific Reports, 2021, 11, 19123.	3.3	12
713	Automatic Semicircular Canal Segmentation of CT Volumes Using Improved 3D U-Net with Attention Mechanism. Computational Intelligence and Neuroscience, 2021, 2021, 1-13.	1.7	5
714	On Brightness Agnostic Adversarial Examples Against Face Recognition Systems. , 2021, , .		3
715	Prior-guided multiscale network for single-image dehazing. IET Image Processing, 2021, 15, 3368-3379.	2.5	4
716	Fine-grained object detection method using attention mechanism and its application in coal-gangue detection. Applied Soft Computing Journal, 2021, 113, 107891.	7.2	21

#	ARTICLE	IF	CITATIONS
717	Multi-attention augmented network for single image super-resolution. Pattern Recognition, 2022, 122, 108349.	8.1	34
718	Concealed Object Detection and Recognition System Based on Millimeter Wave FMCW Radar. Applied Sciences (Switzerland), 2021, 11, 8926.	2.5	7
719	BPFINet: Boundary-aware progressive feature integration network for salient object detection. Neurocomputing, 2021, 451, 152-166.	5.9	18
720	DeepSDM: Boundary-aware pneumothorax segmentation in chest X-ray images. Neurocomputing, 2021, 454, 201-211.	5.9	12
721	DPANet: Dual Pooling&Aggregated Attention Network for fish segmentation. IET Computer Vision, 2022, 16, 67-82.	2.0	14
722	Deep Relative Geologic Time: A Deep Learning Method for Simultaneously Interpreting 3D Seismic Horizons and Faults. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021882.	3.4	23
723	A review on the attention mechanism of deep learning. Neurocomputing, 2021, 452, 48-62.	5.9	963
724	Lightweight network architecture using difference saliency maps for facial action unit detection. Applied Intelligence, 2022, 52, 6354-6375.	5.3	5
725	Research on Classification of Fine-Grained Rock Images Based on Deep Learning. Computational Intelligence and Neuroscience, 2021, 2021, 1-11.	1.7	9
726	Facial Expression Recognition Method Combined with Attention Mechanism. Mobile Information Systems, 2021, 2021, 1-10.	0.6	1
728	ADS-Net:An Attention-Based deeply supervised network for remote sensing image change detection. International Journal of Applied Earth Observation and Geoinformation, 2021, 101, 102348.	2.8	49
729	Research on Object Detection Model Based on Feature Network Optimization. Processes, 2021, 9, 1654.	2.8	3
730	A novel attention-based domain adaptation model for intelligent bearing fault diagnosis under variable working conditions. Measurement Science and Technology, 2022, 33, 015003.	2.6	2
731	Blind Image Deblurring Based on Dual Attention Network and 2D Blur Kernel Estimation. , 2021, , .		1
732	Optimization of Intelligent Plant Cultivation Robot System in Object Detection. IEEE Sensors Journal, 2021, 21, 19279-19288.	4.7	11
733	Cross-Domain Scene Classification Based on a Spatial Generalized Neural Architecture Search for High Spatial Resolution Remote Sensing Images. Remote Sensing, 2021, 13, 3460.	4.0	2
734	Review of white box methods for explanations of convolutional neural networks in image classification tasks. Journal of Electronic Imaging, 2021, 30, .	0.9	14
735	Prediction of Soybean Price Trend via a Synthesis Method With Multistage Model. International Journal of Agricultural and Environmental Information Systems, 2021, 12, 1-13.	2.0	4

#	ARTICLE	IF	CITATIONS
736	Lightweight convolutional neural network model for field wheat ear disease identification. Computers and Electronics in Agriculture, 2021, 189, 106367.	7.7	72
737	Improved protein relative solvent accessibility prediction using deep multi-view feature learning framework. Analytical Biochemistry, 2021, 631, 114358.	2.4	1
738	Object Tracking Based on Global Context Attention. International Journal of Cognitive Informatics and Natural Intelligence, 2021, 15, 1-16.	0.4	0
739	Real-time semantic segmentation with weighted factorized-depthwise convolution. Image and Vision Computing, 2021, 114, 104269.	4.5	9
740	Context Prior based Semantic-Spatial Graph Network for Human Parsing. Neurocomputing, 2021, 457, 13-25.	5.9	3
741	Reconstructing GRACE-like TWS anomalies for the Canadian landmass using deep learning and land surface model. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102404.	2.8	10
742	Employing deep learning for automatic river bridge detection from SAR images based on Adaptively effective feature fusion. International Journal of Applied Earth Observation and Geoinformation, 2021, 102, 102425.	2.8	9
743	An intelligent computer-aided approach for atrial fibrillation and atrial flutter signals classification using modified bidirectional LSTM network. Information Sciences, 2021, 574, 320-332.	6.9	37
744	MIDCAN: A multiple input deep convolutional attention network for Covid-19 diagnosis based on chest CT and chest X-ray. Pattern Recognition Letters, 2021, 150, 8-16.	4.2	75
745	Deep residual learning in modulation recognition of radar signals using higher-order spectral distribution. Measurement: Journal of the International Measurement Confederation, 2021, 185, 109945.	5.0	9
746	Hybrid network with difference degree and attention mechanism combined with radiomics (H-DARnet) for MVI prediction in HCC. Magnetic Resonance Imaging, 2021, 83, 27-40.	1.8	10
747	A recognition of farming behavior method based on EPCI-LSTM model. Computers and Electronics in Agriculture, 2021, 190, 106467.	7.7	2
748	Acoustic scene classification based on Mel spectrogram decomposition and model merging. Applied Acoustics, 2021, 182, 108258.	3.3	22
749	MAF-YOLO: Multi-modal attention fusion based YOLO for pedestrian detection. Infrared Physics and Technology, 2021, 118, 103906.	2.9	28
750	Hyperspectral image classification based on spatial and spectral kernels generation network. Information Sciences, 2021, 578, 435-456.	6.9	20
751	Aquatic organism recognition using residual network with inner feature and kernel calibration module. Computers and Electronics in Agriculture, 2021, 190, 106366.	7.7	0
752	A novel few-shot learning method for synthetic aperture radar image recognition. Neurocomputing, 2021, 465, 215-227.	5.9	8
753	Dual-branch, efficient, channel attention-based crop disease identification. Computers and Electronics in Agriculture, 2021, 190, 106410.	7.7	36

#	ARTICLE	IF	CITATIONS
754	Discretization-aware architecture search. Pattern Recognition, 2021, 120, 108186.	8.1	12
755	A deep-learning-based framework for severity assessment of COVID-19 with CT images. Expert Systems With Applications, 2021, 185, 115616.	7.6	25
756	Seizure prediction in scalp EEG based channel attention dual-input convolutional neural network. Physica A: Statistical Mechanics and Its Applications, 2021, 584, 126376.	2.6	14
757	A brief survey on RGB-D semantic segmentation using deep learning. Displays, 2021, 70, 102080.	3.7	23
758	Robust semantic segmentation based on RGB-thermal in variable lighting scenes. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110176.	5.0	24
759	Automatic polyp detection and segmentation using shuffle efficient channel attention network. AEJ - Alexandria Engineering Journal, 2022, 61, 917-926.	6.4	21
760	A cascade reconstruction model with generalization ability evaluation for anomaly detection in videos. Pattern Recognition, 2022, 122, 108336.	8.1	24
761	Channel separation-based network for the automatic anatomical site recognition using endoscopic images. Biomedical Signal Processing and Control, 2022, 71, 103167.	5.7	6
762	Attention-Based Fine-Grained Classification of Bone Marrow Cells. Lecture Notes in Computer Science, 2021, , 652-668.	1.3	1
763	Single Image Desmoking via Attentive Generative Adversarial Network for Smoke Detection Process. Fire Technology, 2021, 57, 3021-3040.	3.0	7
764	Squeeze-and-Excitation Convolutional Neural Network for Classification of Malignant and Benign Lung Nodules. Journal of Advances in Information Technology, 2021, 12, 153-158.	2.9	8
765	Joint Learning of Super-Resolution and Perceptual Image Enhancement for Single Image. IEEE Access, 2021, 9, 48446-48461.	4.2	0
766	Multi-modal 3D Human Pose Estimation for Human-Robot Collaborative Applications. Lecture Notes in Computer Science, 2021, , 355-364.	1.3	1
767	Multi-scale retinal vessel segmentation using encoder-decoder network with squeeze-and-excitation connection and atrous spatial pyramid pooling. Applied Optics, 2021, 60, 239.	1.8	4
769	A Small Target Detection Method Based on Deep Learning With Considerate Feature and Effectively Expanded Sample Size. IEEE Access, 2021, 9, 96559-96572.	4.2	9
770	Hierarchically Structured Network With Attention Convolution and Embedding Propagation for Imbalanced Few-Shot Learning. IEEE Access, 2021, 9, 93916-93926.	4.2	2
772	SSD7-FFAM: A Real-Time Object Detection Network Friendly to Embedded Devices from Scratch. Applied Sciences (Switzerland), 2021, 11, 1096.	2.5	4
773	Lightweight Oriented Object Detection Using Multiscale Context and Enhanced Channel Attention in Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5786-5795.	4.9	21

#	ARTICLE	IF	CITATIONS
774	Substituting Convolutions for Neural Network Compression. IEEE Access, 2021, 9, 83199-83213.	4.2	1
775	Patch-Wise Spatial-Temporal Quality Enhancement for HEVC Compressed Video. IEEE Transactions on Image Processing, 2021, 30, 6459-6472.	9.8	18
776	Efficient Spatio-Temporal Modeling Methods for Real-Time Violence Recognition. IEEE Access, 2021, 9, 76270-76285.	4.2	26
777	A sample-level DCNN for music auto-tagging. Multimedia Tools and Applications, 2021, 80, 11459-11469.	3.9	3
778	Feature Pyramid Nonlocal Network With Transform Modal Ensemble Learning for Breast Tumor Segmentation in Ultrasound Images. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 3549-3559.	3.0	15
779	Robust GAN Based on Attention Mechanism. Lecture Notes in Computer Science, 2021, , 78-86.	1.3	0
780	An Improved Bilinear Pooling Method for Image-Based Action Recognition. , 2021, , .		4
781	Visual Saliency via Selecting and Reweighting Features in Hierarchical Fusion Network. IEEE Signal Processing Letters, 2021, 28, 1749-1753.	3.6	0
782	Abnormality Detection and Identification Algorithm for High-Speed Freight Train Body. Communications in Computer and Information Science, 2021, , 32-43.	0.5	0
783	Stand-Alone Composite Attention Network for Concrete Structural Defect Classification. IEEE Transactions on Artificial Intelligence, 2022, 3, 265-274.	4.7	3
784	Complemental Attention Multi-Feature Fusion Network for Fine-Grained Classification. IEEE Signal Processing Letters, 2021, 28, 1983-1987.	3.6	16
785	ANC: Attention Network for COVID-19 Explainable Diagnosis Based on Convolutional Block Attention Module. CMES - Computer Modeling in Engineering and Sciences, 2021, 127, 1037-1058.	1.1	30
786	Deep Multimodal Fusion Network for Semantic Segmentation Using Remote Sensing Image and LiDAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	15
787	Artificial intelligence matches subjective severity assessment of pneumonia for prediction of patient outcome and need for mechanical ventilation: a cohort study. Scientific Reports, 2021, 11, 858.	3.3	30
788	Automatic Inspection and Evaluation System for Pavement Distress. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12377-12387.	8.0	10
789	Multilevel Feature Fusion Networks With Adaptive Channel Dimensionality Reduction for Remote Sensing Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	20
790	Weakly supervised fine-grained recognition based on spatial-channel aware attention filters. Multimedia Tools and Applications, 2021, 80, 14409-14427.	3.9	1
791	EEG Emotion Recognition Based on Channel Attention for E-Healthcare Applications. Lecture Notes in Computer Science, 2021, , 159-169.	1.3	3

#	ARTICLE	IF	CITATIONS
792	Semantic Segmentation for Buildings of Large Intra-Class Variation in Remote Sensing Images with O-GAN. Remote Sensing, 2021, 13, 475.	4.0	22
793	SEMSDNet: A Multiscale Dense Network With Attention for Remote Sensing Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5501-5514.	4.9	25
794	Multi-Attention Ghost Residual Fusion Network for Image Classification. IEEE Access, 2021, 9, 81421-81431.	4.2	3
795	Solo-to-Collaborative Dual-Attention Network for One-Shot Object Detection in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	13
796	Multi-Branch Convolutional Macaron net for Sound Event Detection. IEEE/ACM Transactions on Audio Speech and Language Processing, 2021, 29, 2972-2985.	5.8	6
797	Image-Based Scam Detection Method Using an Attention Capsule Network. IEEE Access, 2021, 9, 33654-33665.	4.2	17
798	Local Semantic Enhanced ConvNet for Aerial Scene Recognition. IEEE Transactions on Image Processing, 2021, 30, 6498-6511.	9.8	43
799	Mosaic Convolution-Attention Network for Demosaicing Multispectral Filter Array Images. IEEE Transactions on Computational Imaging, 2021, 7, 864-878.	4.4	27
800	FABNet: Fusion Attention Block and Transfer Learning for Laryngeal Cancer Tumor Grading in P63 IHC Histopathology Images. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1696-1707.	6.3	29
801	TSAN: Synthesized View Quality Enhancement via Two-Stream Attention Network for 3D-HEVC. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 345-358.	8.3	39
802	Person Re-Identification Based on Partition Adaptive Network Structure and Channel Partition Weight Adaptive. IEEE Access, 2021, 9, 101402-101413.	4.2	2
803	SDoF-Net: Super Depth of Field Network for Cell Detection in Leucorrhea Micrograph. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1229-1238.	6.3	3
804	Specific Emitter Identification Based on Software-Defined Radio and Decision Fusion. IEEE Access, 2021, 9, 86217-86229.	4.2	8
805	Spectral Super-Resolution of Multispectral Images Using Spatial-Attention Residual Attention Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	28
806	Defect Detection Method of Aluminum Profile Surface Using Deep Self-Attention Mechanism Under Hybrid Noise Conditions. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	14
807	A Deep Image Coding Scheme With Generative Network to Learn From Correlated Images. IEEE Transactions on Multimedia, 2021, 23, 2235-2244.	7.2	1
808	MCnet: Multiple Context Information Segmentation Network of No-Service Rail Surface Defects. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	34
809	HResNetAM: Hierarchical Residual Network With Attention Mechanism for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3566-3580.	4.9	62

#	ARTICLE	IF	CITATIONS
810	HANet: Hybrid Attention-aware Network for Crowd Counting. , 2021, , .		0
811	Multi - Direction Convolution for Semantic Segmentation. , 2021, , .		0
812	Few-Shot Few-Shot Learning and the role of Spatial Attention. , 2021, , .		0
813	Multi-Scale Convolutional Neural Networks for Classification of Digital Mammograms With Breast Calcifications. IEEE Access, 2021, 9, 114741-114753.	4.2	12
814	MFFENet: Multiscale Feature Fusion and Enhancement Network For RGB&Thermal Urban Road Scene Parsing. IEEE Transactions on Multimedia, 2022, 24, 2526-2538.	7.2	55
815	Feature Learning Improved by Location Guidance and Supervision for Object Detection. IEEE Access, 2021, 9, 133335-133345.	4.2	2
816	CS-HSNet: A Cross-Siamese Change Detection Network Based on Hierarchical-Split Attention. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9987-10002.	4.9	14
818	The Concatenated Dynamic Convolutional and Sparse Coding on Image Artifacts Reduction. Lecture Notes in Computer Science, 2021, , 99-114.	1.3	0
819	Stochastic Label Refinery: Toward Better Target Label Distribution. , 2021, , .		2
820	Radar HRRP Target Recognition Model Based on a Stacked CNN&Bi-RNN With Attention Mechanism. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	28
821	BSL-1K: Scaling Up Co-articulated Sign Language Recognition Using Mouthing Cues. Lecture Notes in Computer Science, 2020, , 35-53.	1.3	54
822	Hierarchical structure correlation inference for pose estimation. Neurocomputing, 2020, 404, 186-197.	5.9	11
823	Motor imagery recognition with automatic EEG channel selection and deep learning. Journal of Neural Engineering, 2020, , .	3.5	23
824	An Overview of the Attention Mechanisms in Computer Vision. Journal of Physics: Conference Series, 2020, 1693, 012173.	0.4	48
825	Deep High-Resolution Network With Double Attention Residual Blocks for Human Pose Estimation. IEEE Access, 2020, 8, 224947-224957.	4.2	5
826	YOLO-ACN: Focusing on Small Target and Occluded Object Detection. IEEE Access, 2020, 8, 227288-227303.	4.2	63
827	An Introductory Survey on Attention Mechanisms in Computer Vision Problems. , 2020, , .		14
828	Attention Based Encoder-decoder Network for Cardiac Semantic Segmentation. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
829	A CNN-based Quality Model for Image Interpolation. , 2020, , .		2
830	Message Structure Aided Attentional Convolution Network for RF Device Fingerprinting. , 2020, , .		4
831	How to Aggregate Acoustic Delta Features for Deep Speaker Embeddings. , 2020, , .		1
832	Adaptive Pyramid Context Fusion for Point Cloud Perception. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
833	CDD-Net: A Context-Driven Detection Network for Multiclass Object Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	17
834	Rethinking Motivation of Deep Neural Architectures. IEEE Circuits and Systems Magazine, 2020, 20, 65-76.	2.3	6
835	TopologyGAN: Topology Optimization Using Generative Adversarial Networks Based on Physical Fields Over the Initial Domain. , 2020, , .		16
836	DenseNetX and GRU for the sussex-huawei locomotion-transportation recognition challenge. , 2020, , .		13
837	Real-Time Distracted Drivers Detection Using Deep Learning. American Journal of Artificial Intelligence, 2019, 3, 1.	1.4	10
838	Training Deep Neural Networks in Generations: A More Tolerant Teacher Educates Better Students. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 5628-5635.	4.9	73
840	Deep Speaker Embedding Extraction with Channel-Wise Feature Responses and Additive Supervision Softmax Loss Function. , 0, , .		26
841	Improving Replay Detection System with Channel Consistency DenseNeXt for the ASVspoof 2019 Challenge. , 0, , .		1
842	Wav2Spk: A Simple DNN Architecture for Learning Speaker Embeddings from Waveforms. , 0, , .		15
843	ECAPA-TDNN: Emphasized Channel Attention, Propagation and Aggregation in TDNN Based Speaker Verification. , 0, , .		388
844	Deep Learning for Crowd Counting: A Survey. Engineering, Mathematics and Computer Science Journal, 2019, 1, 17-28.	0.2	5
845	Integrating Patient Data Into Skin Cancer Classification Using Convolutional Neural Networks: Systematic Review. Journal of Medical Internet Research, 2021, 23, e20708.	4.3	35
846	A Robust Improved Network for Facial Expression Recognition. Frontiers in Signal Processing, 2020, 4, .	0.5	5
847	Localization Network and End-to-End Cascaded U-Nets for Kidney Tumor Segmentation. , 0, , .		2

#	ARTICLE	IF	CITATIONS
848	Attribute-Aware Convolutional Neural Networks for Facial Beauty Prediction. , 2019, , .		19
849	Structure-Aware Residual Pyramid Network for Monocular Depth Estimation. , 2019, , .		58
850	Shadow Detection and Removal from Photo-realistic Synthetic Urban Image using Deep Learning. Computers, Materials and Continua, 2020, 62, 459-472.	1.9	7
851	BDD-Net: A General Protocol for Mapping Buildings Damaged by a Wide Range of Disasters Based on Satellite Imagery. Remote Sensing, 2020, 12, 1670.	4.0	19
852	Road Extraction in Mountainous Regions from High-Resolution Images Based on DSDNet and Terrain Optimization. Remote Sensing, 2021, 13, 90.	4.0	20
853	A Spatial-Channel Collaborative Attention Network for Enhancement of Multiresolution Classification. Remote Sensing, 2021, 13, 106.	4.0	16
854	Monocular Depth Estimation with Joint Attention Feature Distillation and Wavelet-Based Loss Function. Sensors, 2021, 21, 54.	3.8	12
855	End-to-End Recognition of Similar Space Cone“Cylinder Targets Based on Complex-Valued Coordinate Attention Networks. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	13
856	Generalized Scene Classification From Small-Scale Datasets With Multitask Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	44
857	Improved Attention Mechanism and Residual Network for Remote Sensing Image Scene Classification. IEEE Access, 2021, 9, 134800-134808.	4.2	8
858	Behavior Recognition Algorithm Based on the Fusion of SE-R3D and LSTM Network. IEEE Access, 2021, 9, 141002-141012.	4.2	1
859	Looking at Boundary: Siamese Densely Cooperative Fusion for Salient Object Detection. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3580-3593.	11.3	2
860	View-Invariant Human Action Recognition Via View Transformation Network (VTN). IEEE Transactions on Multimedia, 2022, 24, 4493-4503.	7.2	9
861	A Feature Fusion Detection Model for Object Detection in Remote Sensing Images. Computer Science and Application, 2021, 11, 2538-2545.	0.1	0
862	MR-CapsNet: A Deep Learning Algorithm for Image-Based Head Pose Estimation on CapsNet. IEEE Access, 2021, , 1-1.	4.2	2
863	Multiscale Curvelet Scattering Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3665-3679.	11.3	9
864	Lightweight Multi-Scale Context Aggregation Deraining Network With Artifact-Attenuating Pooling and Activation Functions. IEEE Access, 2021, 9, 146948-146958.	4.2	2
865	Attention-Aware Dynamic Self-Aggregation Network for Satellite Image Time Series Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	8

#	ARTICLE	IF	CITATIONS
866	Compact Double Attention Module Embedded CNN for Palmprint Recognition. Lecture Notes in Computer Science, 2021, , 264-275.	1.3	2
867	Character Detection in Animated Movies Using Multi-Style Adaptation and Visual Attention. IEEE Transactions on Multimedia, 2021, 23, 1990-2004.	7.2	0
868	UMLE: Unsupervised Multi-discriminator Network for Low Light Enhancement. , 2021, , .		3
869	Long-Range Hand Gesture Recognition via Attention-based SSD Network. , 2021, , .		2
870	Covariance Self-Attention Dual Path UNet for Rectal Tumor Segmentation. , 2021, , .		2
871	Low-Resource Spoken Language Identification Using Self-Attentive Pooling and Deep 1D Time-Channel Separable Convolutions. , 2021, , .		2
872	Mask Detection Based On Efficient-YOLO. , 2021, , .		3
873	Siammraan: Siamese Multi-Level Residual Attention Adaptive Network for Hyperspectral Videos Tracking. , 2021, , .		2
874	Surface Water Detection from Sentinel-1. , 2021, , .		2
875	Building Footprint Extraction Using Deep Learning Semantic Segmentation Techniques: Experiments and Results. , 2021, , .		4
876	Deep One-Class Crop Extraction Framework for Multi-Modal Remote Sensing Imagery. , 2021, , .		0
877	Multi-human Parsing Based on Dynamic Convolution. , 2021, , .		0
878	A Recurrent Refinement Network for Satellite Video Super-Resolution. , 2021, , .		2
879	Semantic Labeling of Very High-Resolution Imagery by Leveraging Contextual Information with Optimized Non-Local Neural Network. , 2021, , .		0
880	Arbitrary-Oriented SAR Ship Detection Via Frequency Learning. , 2021, , .		6
881	A New Deep Hierarchy for Underwater Image Reconstruction. , 2021, , .		0
882	Performance of Different U-Net Architectures for Inventory of Coconut Plantations Using Cartosat-2 Multispectral Data. , 2021, , .		0
883	A Multi-Correlation Stereo Matching Network for Disparity Estimation. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
884	Hyperspectral and Lidar Data Classification Based on Linear Self-Attention. , 2021, , .		6
885	Enhanced 3D Convolution for Hyperspectral Image Super-Resolution. , 2021, , .		2
886	A Deep Interactive Framework for Building Extraction in Remotely Sensed Images Via a Coarse-to-Fine Strategy. , 2021, , .		0
887	Age Estimation Using Channel Aggregation Transform Based On Deep Neural Network. , 2021, , .		0
888	Attentive Autoencoders For Improving Visual Anomaly Detection. , 2021, , .		0
889	Aero Engines Fault Diagnosis Method Based on Convolutional Neural Network Using Multiple Attention Mechanism. , 2021, , .		4
890	A Lightweight Deep Convolutional Neural Network with Squeeze-and-Excitation Modules for Efficient Human Activity Recognition using Smartphone Sensors. , 2021, , .		4
891	A Multimodal Deep Network Model for Android Malware Detection Using Permission. , 2021, , .		1
892	OGFNet: Original Resolution Subnetwork and GRU Based Feature Fusion Network for Image Denoising. , 2021, , .		0
893	DEMO: Extracting Multiple Promotional Media Elements from Urban Spaces. , 2021, , .		0
894	A novel approach of fault diagnosis based on multi-source signals and attention mechanism. , 2021, , .		0
895	Recognition Network of Catenary Dropper State based on Memory-enhanced Convolutional Autoencoder. , 2021, , .		0
896	Aircraft Rotated Boxes Detection Method Based on YOLOv5. , 2021, , .		1
897	Improved Transfer Learning Architecture to Classify Covid-19 Affected Chest X-Rays using Noisy Student Pre-training. , 2021, , .		0
898	Ball Screw Health Indicator Construction with Limited Monitoring Data and Health Assessment Based on Global Context Network. , 2021, , .		1
899	3D Convolutional Attention Network for Automatically Extracting Ice Layers from Ice Sheet Radar Topological Sequences. , 2021, , .		0
900	Automatic Diagnosis of COVID-19 Medical Images based on Graph Attention Network. , 2021, , .		0
901	On Detecting Cloud Container Failures from Computing Utility Sequences. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
902	Transformer based Neural Network for Fine-Grained Classification of Vehicle Color. , 2021, , .		0
903	RA-SIFA: Unsupervised domain adaptation multi-modality cardiac segmentation network combining parallel attention module and residual attention unit. Journal of X-Ray Science and Technology, 2021, 29, 1065-1078.	1.0	2
904	A Method of Detecting Surface Mesh Quality Based on Deep Learning. Lecture Notes in Electrical Engineering, 2022, , 742-754.	0.4	0
905	Algorithm for real-time defect detection of micro pipe inner surface. Applied Optics, 2021, 60, 9167.	1.8	5
906	Feature extraction and enhancement for real-time semantic segmentation. Concurrency Computation Practice and Experience, 2023, 35, e6573.	2.2	1
907	TSA-Net: Tube Self-Attention Network for Action Quality Assessment. , 2021, , .		23
908	Effective fusion of deep multitasking representations for robust visual tracking. Visual Computer, 0, , 1.	3.5	1
909	Detecting adversarial examples by additional evidence from noise domain. IET Image Processing, 2022, 16, 378-392.	2.5	3
910	Smaller and efficient mobile network design for image classification. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	1
911	A Lightweight SE-YOLOv3 Network for Multi-Scale Object Detection in Remote Sensing Imagery. International Journal of Pattern Recognition and Artificial Intelligence, 2021, 35, .	1.2	7
912	Pixel-wise Graph Attention Networks for Person Re-identification. , 2021, , .		6
913	HA-MPPNet: Height Aware-Multi Path Parallel Network for High Spatial Resolution Remote Sensing Image Semantic Segmentation. ISPRS International Journal of Geo-Information, 2021, 10, 672.	2.9	1
914	A Deep-Learning Based Visual Sensing Concept for a Robust Classification of Document Images under Real-World Hard Conditions. Sensors, 2021, 21, 6763.	3.8	4
915	Mining Sufficient Knowledge via Progressive Feature Fusion for Efficient Material Recognition. Scientific Programming, 2021, 2021, 1-22.	0.7	1
916	Cross Lingual Video and Text Retrieval: A New Benchmark Dataset and Algorithm. , 2021, , .		1
917	HyperAttentionDTI: improving drug-protein interaction prediction by sequence-based deep learning with attention mechanism. Bioinformatics, 2022, 38, 655-662.	4.1	55
918	Learning Hierarchical Channel Attention for Fine-grained Visual Classification. , 2021, , .		8
919	Improving Deep Segmentation of Abdominal Organs MRI by Post-Processing. BioMedInformatics, 2021, 1, 88-105.	2.0	4

#	ARTICLE	IF	CITATIONS
920	Identification Method of Wheat Cultivars by Using a Convolutional Neural Network Combined with Images of Multiple Growth Periods of Wheat. Symmetry, 2021, 13, 2012.	2.2	9
922	A multi-scale unsupervised learning for deformable image registration. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 157-166.	2.8	4
923	Diagnosis of Alzheimer's disease based on regional attention with sMRI gray matter slices. Journal of Neuroscience Methods, 2022, 365, 109376.	2.5	23
924	A Novel Intelligent Fault Diagnosis Method for Rolling Bearings Based on Wasserstein Generative Adversarial Network and Convolutional Neural Network under Unbalanced Dataset. Sensors, 2021, 21, 6754.	3.8	16
925	Unified framework for early stage status prediction of autism based on infant structural magnetic resonance imaging. Autism Research, 2021, 14, 2512-2523.	3.8	8
927	Multitask Interactive Attention Learning Model Based on Hand Images for Assisting Chinese Medicine in Predicting Myocardial Infarction. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-17.	1.3	3
928	Detection of Abnormal Vibration Dampers on Transmission Lines in UAV Remote Sensing Images with PMA-YOLO. Remote Sensing, 2021, 13, 4134.	4.0	18
929	Real-Time Driver Distraction Detection Using Lightweight Convolution Neural Network with Cheap Multi-scale Features Fusion Block. Lecture Notes in Electrical Engineering, 2022, , 232-240.	0.4	2
930	A Lightweight One-Stage Defect Detection Network for Small Object Based on Dual Attention Mechanism and PAFPN. Frontiers in Physics, 2021, 9, .	2.1	13
931	Reflectance images of effective wavelengths from hyperspectral imaging for identification of Fusarium head blight-infected wheat kernels combined with a residual attention convolution neural network. Computers and Electronics in Agriculture, 2021, 190, 106483.	7.7	24
932	A 3D segmentation network of mandible from CT scan with combination of multiple convolutional modules and edge supervision in mandibular reconstruction. Computers in Biology and Medicine, 2021, 138, 104925.	7.0	11
933	3D Convolutional Networks for Action Recognition: Application to Sport Gesture Recognition. , 2021, , 199-229.		0
934	Dense Pyramid Context Encoder-Decoder Network for Kidney Lesion Segmentation. , 0, , .		0
935	2019 Kidney Tumor Segmentation Challenge Method Manuscript. , 0, , .		0
936	Application of Modified Inception-ResNet and CondenseNet in Lung Nodule Classification. , 0, , .		5
937	Automatic Kidney and Tumor Segmentation with Hybrid Hierarchical Networks. , 0, , .		1
938	Exploring Context Information for Accurate and Fast Object Detection. Lecture Notes in Computer Science, 2019, , 228-238.	1.3	0
939	LW-Sketch-Net on Mobile Phones. EAI Endorsed Transactions on Creative Technologies, 2019, 6, 162611.	1.2	0

#	ARTICLE	IF	CITATIONS
940	Image Restoration Network with Adaptive Channel Attention Modules for Combined Distortions. Journal of the Korea Computer Graphics Society, 2019, 25, 1-9.	0.4	1
941	Image Classification by Image Subsets for Fine-Grained Image Recognition. , 2019, 3, 1-5.		0
942	Automatic Detection of Off-Topic Spoken Responses Using Very Deep Convolutional Neural Networks. , 0, , .		5
943	A Survey of Fine-Grained Image Classification Based on Deep Learning. DEStech Transactions on Computer Science and Engineering, 2019, , .	0.1	1
944	A Benchmark Dataset and Multi-Scale Attention Network for Semantic Traffic Light Detection. , 2019, , .		5
945	Liver Histopathological Image Retrieval Based on Deep Metric Learning. , 2019, , .		2
947	Amplifying Key Cues for Human-Object-Interaction Detection. Lecture Notes in Computer Science, 2020, , 248-265.	1.3	38
949	Label Reuse for Efficient Semi-Supervised Learning. , 2020, , .		1
951	A Time-Frequency Network with Channel Attention and Non-Local Modules for Artificial Bandwidth Extension. , 2020, , .		4
952	The Study of Defects Auto-Classification System in Semiconductor Manufacturing. , 2020, , .		2
953	Improvement of Semantic Segmentation with DC-GAN in Autonomous driving. , 2020, , .		1
954	THE JOINT SPATIAL AND RADIOMETRIC TRANSFORMER FOR REMOTE SENSING IMAGE RETRIEVAL. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIII-B3-2020, 227-231.	0.2	2
955	Second-Order Estimation Based Attention Network for Metric Learning. , 2020, , .		0
956	Early Pulmonary Embolism Detection from Computed Tomography Pulmonary Angiography Using Convolutional Neural Networks. , 2020, , .		1
957	GLOBAL CONTEXT AIDED SEMANTIC SEGMENTATION FOR CLOUD DETECTION OF REMOTE SENSING IMAGES. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-2-2020, 583-589.	0.0	0
958	A Coarse to Fine Framework for Multi-organ Segmentation in Head and Neck Images. , 2020, , .		0
959	Multi-Scale Recurrent Network for Single Image Deraining. , 2020, , .		0
960	Design and Implementation of Neural Network Accelerator Based on SAR Image Target Detection Algorithm. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
961	Two-Stage Deep Learning Framework for Discrimination between COVID-19 and Community-Acquired Pneumonia from Chest CT scans. Pattern Recognition Letters, 2021, 152, 311-319.	4.2	14
962	Lightweight feature separation, fusion and optimization networks for accurate image super-resolution. Multimedia Systems, 2022, 28, 611-622.	4.7	2
963	DEVELOPMENT AND VALIDATION OF AN EXPLAINABLE ARTIFICIAL INTELLIGENCE FRAMEWORK FOR MACULAR DISEASE DIAGNOSIS BASED ON OPTICAL COHERENCE TOMOGRAPHY IMAGES. Retina, 2022, 42, 456-464.	1.7	3
964	Feature fusion network based on strip pooling. Scientific Reports, 2021, 11, 21270.	3.3	1
965	Physical Transferable Attack against Black-box Face Recognition Systems. , 2021, , .		0
966	LegoDNN. , 2021, , .		13
967	Synergistic Attention for Ship Instance Segmentation in SAR Images. Remote Sensing, 2021, 13, 4384.	4.0	17
968	Error Refactor loss based on error analysis in image classification. IET Computer Vision, 2022, 16, 192-203.	2.0	1
969	Attention-Based Network for Semantic Image Segmentation via Adversarial Learning. Lecture Notes in Computer Science, 2020, , 102-114.	1.3	0
970	Multi-level Prediction with Graphical Model for Human Pose Estimation. Lecture Notes in Computer Science, 2020, , 343-355.	1.3	0
971	CNN Architecture for Surgical Image Segmentation with Recursive Structure and Flip-Based Upsampling. International Journal of Networking and Computing, 2020, 10, 259-276.	0.4	0
972	MulKINet: Multi-Stage Key-Invariant Convolutional Neural Networks for Accurate and Fast Cover Song Identification. , 2020, , .		0
973	Coarse-to-fine Nasopharyngeal Carcinoma Segmentation in MRI via Multi-stage Rendering. , 2020, , .		6
974	CSABlock-based Cascade RCNN for Breast Mass Detection in Mammogram. , 2020, , .		2
975	Action Detection Based on 3D Convolution Neural Network with Channel Attention Mechanism. , 2020, , .		0
976	A Clustering-Based Method for Automatic Educational Video Recommendation Using Deep Face-Features of Lecturers. , 2020, , .		0
977	SE-ECGNet: Multi-scale SE-Net for Multi-lead ECG Data. , 0, , .		5
978	Rust Defect Detection and Segmentation Method for Tower Crane. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
979	CSCNet: A Shallow Single Column Network for Crowd Counting. , 2020, , .		3
980	A metric learning network based on attention mechanism for Power grid defect identification. Journal of Physics: Conference Series, 2020, 1693, 012146.	0.4	2
981	Deep Temporal Color Constancy for AC Light Sources. , 2020, , .		1
982	Towards Quantized DCT Coefficients Restoration for Compressed Images. , 2020, , .		1
983	Super-resolution Generative Adversarial Networks Based on Attention Model. , 2020, , .		1
984	Lightweight Color Image Demosaicking with Multi-Core Feature Extraction. , 2020, , .		1
985	SE-ECGNet: A Multi-scale Deep Residual Network with Squeeze-and-Excitation Module for ECG Signal Classification. , 2020, , .		5
986	Learnable Bag Similarity Based Deep Multi-Instance Network for Breast Cancer Diagnosis. , 2020, , .		1
987	An Efficient and Light-weight Detector for Wine Bottle Defects. , 2020, , .		3
988	Super-Resolution Reconstruction of Human Face Image Based on Network of Residual Dense Connection Channel Attentional. , 2020, , .		0
989	DPCA-Net: Dual Path With 3D Channel Attention For Pulmonary Nodule Detection. , 2020, , .		1
990	A Dynamic Group Equivariant Convolutional Networks for Medical Image Analysis. , 2020, , .		5
991	Melanoma Classification in Dermoscopy Images via Ensemble Learning on Deep Neural Network. , 2020, , .		5
992	A view on automated neural graph topology generation and a viable direction of innovation. , 2020, , .		0
993	A Two-level Attention-based Sequence-to-Sequence Model for Accurate Inter-patient Arrhythmia Detection. , 2020, , .		8
994	Arrhythmia Detection and Classification of 12-lead ECGs Using a Deep Neural Network. , 0, , .		5
995	MADNN: A Multi-scale Attention Deep Neural Network for Arrhythmia Classification. , 0, , .		2
996	Using Deep Attention Networks to Extract Defects in Crisscross Background. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
997	Improved Deep Learning Method to Fast Detect Vehicles Driving on a Long Span Cable-Stayed Bridge. , 2020, , .		0
998	Automatic 12-lead ECG Classification Using Deep Neural Networks. , 0, , .		4
999	Graph Grouping Loss for Metric Learning of Face Image Representations. , 2020, , .		0
1000	Attention Based Detection for Central Serious Chorioretinopathy in Fundus Image. , 2020, , .		0
1001	Neural Architecture Search for Automotive Grid Fusion Networks Under Embedded Hardware Constraints. , 2020, , .		0
1002	Multi-label Classification of Abnormalities in 12-Lead ECG Using Deep Learning. , 0, , .		3
1003	Research on Crack Detection Based on Improved UNet. , 2020, , .		2
1004	STCN: A Lightweight Sleep Staging Model with Multiple Channels. , 2020, , .		1
1005	A residual network for de novo peptide sequencing with attention mechanism. , 2020, , .		0
1006	Adaptive lead weighted ResNet trained with different duration signals for classifying 12-lead ECGs. , 0, , .		22
1007	Inpainting Electrical Logging Images Based on Deep CNN with Attention Mechanisms. , 2020, , .		1
1008	Research on HAND Diagnosis Algorithm Based on Transfer Learning. , 2020, , .		0
1009	Deep interaction network based CTR prediction model. , 2020, , .		1
1010	Detection of Early Gastric Cancer Based on Single Shot Detector with Feature Enhancement. , 2020, , .		4
1011	The Enhancement of Underexposed Images with Blurred Reflectance. , 2020, , .		2
1012	A Novel Convolutional Neural Network for Arrhythmia Detection From 12-lead Electrocardiograms. , 0, , .		1
1013	Attention-guided Multi-view Stereo Network For Depth Estimation. , 2020, , .		1
1014	Self-calibrated Attention Residual Network for Image Super-Resolution. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
1015	Distillation Remote Sensing Object Counting via Multi-Scale Context Feature Aggregation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	10
1016	Automatic damage detection using anchor-free method and unmanned surface vessel. Automation in Construction, 2022, 133, 104017.	9.8	20
1017	Combining neural networks for modulation recognition. , 2022, 120, 103264.		15
1018	A coarse-to-fine approach for dynamic-to-static image translation. Pattern Recognition, 2022, 123, 108373.	8.1	5
1019	A polarization fusion network with geometric feature embedding for SAR ship classification. Pattern Recognition, 2022, 123, 108365.	8.1	67
1020	SemEval-2020 Task 8: Memotion Analysis- the Visuo-Lingual Metaphor!. , 2020, , .		50
1021	Global Context-Based Multilevel Feature Fusion Networks for Multilabel Remote Sensing Image Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11179-11196.	4.9	10
1022	Intra-Inter View Interaction Network for Light Field Image Super-Resolution. IEEE Transactions on Multimedia, 2023, 25, 256-266.	7.2	19
1023	Hyperspectral Image Super-Resolution Based on Multiscale Mixed Attention Network Fusion. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
1024	Spatial-Angular Attention Network for Light Field Reconstruction. IEEE Transactions on Image Processing, 2021, 30, 8999-9013.	9.8	25
1025	CFCANet: A Complete Frequency Channel Attention Network for SAR Image Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11750-11763.	4.9	7
1026	Detection of Lung Nodules from Temporal Subtraction Image Using Deep Learning. , 2019, , .		0
1027	Enhanced Attention-based Back Projection Network for Image Super-Resolution in Sensor Network. IEEE Sensors Journal, 2020, , 1-1.	4.7	1
1028	Single image super-resolution using deep hierarchical attention network. , 2020, , .		0
1029	Comparative Evaluation of CNN Architectures for Image Caption Generation. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.7	9
1030	Reasoning Step-by-Step: Temporal Sentence Localization in Videos via Deep Rectification-Modulation Network. , 2020, , .		10
1031	Efficient Feature Recombining Network Based on Refining Multi-Level Feature Maps for Semantic Segmentation. IEEE Access, 2020, 8, 228409-228419.	4.2	0
1032	Hitachi at SemEval-2020 Task 8: Simple but Effective Modality Ensemble for Meme Emotion Recognition. , 2020, , .		8

#	ARTICLE	IF	CITATIONS
1033	ACE-Net: Adaptive Context Extraction Network for Medical Image Segmentation. Lecture Notes in Computer Science, 2020, , 787-799.	1.3	0
1034	Wavelet U-Net for Medical Image Segmentation. Lecture Notes in Computer Science, 2020, , 800-810.	1.3	6
1035	A Review of Object Detectors in Deep Learning. Journal on Artificial Intelligence, 2020, 2, 59-77.	0.3	13
1037	Munich to Dubai: How far is it for Semantic Segmentation $\mathcal{E}^2$ . , 2020, , .		0
1038	Unsupervised Person Re-Identification with Transformer-based Network for Intelligent Surveillance Systems. , 2021, , .		1
1039	Dynamic Slimmable Network. , 2021, , .		53
1040	Multi-Stage Progressive Image Restoration. , 2021, , .		670
1041	Discover Cross-Modality Nuances for Visible-Infrared Person Re-Identification. , 2021, , .		94
1042	Neural Cellular Automata Manifold. , 2021, , .		2
1043	Minimally Invasive Surgery for Sparse Neural Networks in Contrastive Manner. , 2021, , .		1
1044	Diverse Branch Block: Building a Convolution as an Inception-like Unit. , 2021, , .		131
1045	Passenger Detection, Counting, and Action Recognition for Self-Driving Public Transport Vehicles. , 2021, , .		2
1046	Dynamic Graph Representation for Occlusion Handling in Biometrics. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 11940-11947.	4.9	15
1047	Small object detection combining attention mechanism and a novel FPN. Journal of Intelligent and Fuzzy Systems, 2022, 42, 3691-3703.	1.4	4
1048	High Precision Food Detection Method based on Deep Object Detection Network. , 2021, , .		0
1049	Learning semantic-specific visual representation for laser welding penetration status recognition. Science China Technological Sciences, 2022, 65, 347-360.	4.0	8
1050	Multi-scale dynamic adaptive residual network for fault diagnosis. Measurement: Journal of the International Measurement Confederation, 2022, 188, 110397.	5.0	25
1051	MCRNet: Multi-level context refinement network for semantic segmentation in breast ultrasound imaging. Neurocomputing, 2022, 470, 154-169.	5.9	20

#	ARTICLE	IF	CITATIONS
1052	Attention-Guided deep atrous-residual U-Net architecture for automated gland segmentation in colon histopathology images. Informatics in Medicine Unlocked, 2021, 27, 100784.	3.4	18
1053	LGCNet: A local-to-global context-aware feature augmentation network for salient object detection. Information Sciences, 2022, 584, 399-416.	6.9	17
1054	MARS: Detecting brain class/method code smell based on metricâ€œattention mechanism and residual network. Journal of Software: Evolution and Process, 2024, 36, e2403.	1.6	11
1055	Target Tracking Based on SE-CNN and SiameseNet. , 2020, , .		0
1056	Learning for Microrobot Exploration: Model-based Locomotion, Sparse-robust Navigation, and Low-power Deep Classification. , 2020, , .		0
1057	Multiclass retinal disease classification and lesion segmentation in OCT B-scan images using cascaded convolutional networks. Applied Optics, 2020, 59, 10312.	1.8	2
1059	Cross-Lingual Speaker Verification with Domain-Balanced Hard Prototype Mining and Language-Dependent Score Normalization. , 0, , .		8
1060	A Sequence-Based Antibody Paratope Prediction Model Through Combing Local-Global Information and Partner Features. Lecture Notes in Computer Science, 2021, , 179-190.	1.3	0
1061	Consecutively Missing Seismic Data Interpolation Based on Coordinate Attention Unet. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	15
1062	MARnet: multi-scale adaptive residual neural network for chest X-ray images recognition of lung diseases. Mathematical Biosciences and Engineering, 2022, 19, 331-350.	1.9	7
1063	FMD-Yolo: An efficient face mask detection method for COVID-19 prevention and control in public. Image and Vision Computing, 2022, 117, 104341.	4.5	95
1064	Pose-guided matching based on deep learning for assessing quality of action on rehabilitation training. Biomedical Signal Processing and Control, 2022, 72, 103323.	5.7	50
1065	Zero Cost Improvements for General Object Detection Network. , 2021, , .		0
1066	A damage detection algorithm for aluminum workpiece based on improved segmentation and decision network. , 2021, , .		3
1067	PointerNet: Spatiotemporal Modeling for Crowd Counting in Videos. , 2021, , .		1
1068	MPA-Net: Multi-scale Pyramid Attention network for Liver Tumor Segmentation. , 2021, , .		0
1069	Detecting Cover Songs with Pitch Class Key-Invariant Networks. , 2021, , .		1
1070	Contextual Convolutional Neural Networks. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
1071	Globally Assisted Instance Normalization for Bandwidth-Efficient Neural Style Transfer. , 2021, , .		0
1072	A testing method with steep impact voltage inspecting the internal defects in EMU roof cable termination. IET Science, Measurement and Technology, 2022, 16, 149-159.	1.6	4
1073	An Efficient Dataflow Mapping Method for Convolutional Neural Networks. Neural Processing Letters, 0, , .	3.2	0
1074	Rapid identification of ore minerals using multi-scale dilated convolutional attention network associated with portable Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120607.	3.9	22
1075	MFCNet: Mining Features Context Network for RGB&IR Person Re-Identification. Future Internet, 2021, 13, 290.	3.8	1
1076	Group-wise context selection network for choroid segmentation in optical coherence tomography. Physics in Medicine and Biology, 2021, 66, 245010.	3.0	6
1077	Aggregate attention module for fine-grained image classification. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 8335-8345.	4.9	3
1078	DBA_SSD: A Novel End-to-End Object Detection Algorithm Applied to Plant Disease Detection. Information (Switzerland), 2021, 12, 474.	2.9	24
1079	Ginger Seeding Detection and Shoot Orientation Discrimination Using an Improved YOLOv4-LITE Network. Agronomy, 2021, 11, 2328.	3.0	11
1080	Generative adversarial network based cerebrovascular segmentation for time-of-flight magnetic resonance angiography image. Neurocomputing, 2022, 488, 657-668.	5.9	12
1081	FedURR. , 2021, , .		1
1082	Spatio-Temporal Deep Learning-Based Methods for Defect Detection: An Industrial Application Study Case. Applied Sciences (Switzerland), 2021, 11, 10861.	2.5	2
1083	Review of Image Classification Algorithms Based on Convolutional Neural Networks. Remote Sensing, 2021, 13, 4712.	4.0	144
1084	Classification of renal biopsy direct immunofluorescence image using multiple attention convolutional neural network. Computer Methods and Programs in Biomedicine, 2022, 214, 106532.	4.7	9
1085	Artificial Intelligence Assessment of Renal Scarring (AIRS Study). Kidney360, 2022, 3, 83-90.	2.1	9
1086	Attention-Guided Multispectral and Panchromatic Image Classification. Remote Sensing, 2021, 13, 4823.	4.0	4
1087	Residual Spatial and Channel Attention Networks for Single Image Dehazing. Sensors, 2021, 21, 7922.	3.8	5
1088	Image-based thickener mud layer height prediction with attention mechanism-based CNN. ISA Transactions, 2022, 128, 677-689.	5.7	8

#	ARTICLE	IF	CITATIONS
1089	A multiple position-based bi-branch model for structural defect inspection. Journal of Intelligent Manufacturing, 0, , 1.	7.3	0
1090	CRA-Net: A channel recalibration feature pyramid network for detecting small pests. Computers and Electronics in Agriculture, 2021, 191, 106518.	7.7	16
1091	Artificial intelligence can assist with diagnosing retinal vein occlusion. International Journal of Ophthalmology, 2021, 14, 1895-1902.	1.1	16
1092	Fast Transfer Navigation for Autonomous Robots. Journal of Robotics, 2021, 2021, 1-7.	0.9	0
1093	Decoding the molecular subtypes of breast cancer seen on multimodal ultrasound images using an assembled convolutional neural network model: A prospective and multicentre study. EBioMedicine, 2021, 74, 103684.	6.1	21
1094	Improving the classification ability of network utilizing fusion technique in contrast-enhanced spectral mammography. Medical Physics, 2022, 49, 966-977.	3.0	5
1095	Efficient Channel Attention Based Encoder-Decoder Approach for Image Captioning in Hindi. ACM Transactions on Asian and Low-Resource Language Information Processing, 2022, 21, 1-17.	2.0	5
1097	Superpixel Guided Network for Three-Dimensional Stereo Matching. IEEE Transactions on Computational Imaging, 2022, 8, 54-68.	4.4	5
1098	MR-FI: Mobile Application Recommendation Based on Feature Importance and Bilinear Feature Interaction. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 213-228.	0.3	2
1099	SNAS: Fast Hardware-Aware Neural Architecture Search Methodology. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 4826-4836.	2.7	4
1100	Recognizing Pests in Field-Based Images by Combining Spatial and Channel Attention Mechanism. IEEE Access, 2021, 9, 162448-162458.	4.2	19
1104	Sonar Image Target Detection Based on Adaptive Global Feature Enhancement Network. IEEE Sensors Journal, 2022, 22, 1509-1530.	4.7	16
1105	Single Model Deep Learning on Imbalanced Small Datasets for Skin Lesion Classification. IEEE Transactions on Medical Imaging, 2022, 41, 1242-1254.	8.9	60
1106	Band Regrouping and Response-Level Fusion for End-to-End Hyperspectral Object Tracking. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	6
1107	Low-dose computed tomography image reconstruction via a multistage convolutional neural network with autoencoder perceptual loss network. Quantitative Imaging in Medicine and Surgery, 2022, 12, 1929-1957.	2.0	6
1108	CT-Guided Survival Prediction of Esophageal Cancer. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2660-2669.	6.3	10
1109	Multi-Content Complementation Network for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	28
1110	AFSar: An Anchor-Free SAR Target Detection Algorithm Based on Multiscale Enhancement Representation Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	20

#	ARTICLE	IF	CITATIONS
1111	Spatio-Temporal Self-Attention Network for Video Saliency Prediction. IEEE Transactions on Multimedia, 2023, 25, 1161-1174.	7.2	11
1112	Salient Object Detection: An Accurate and Efficient Method for Complex Shape Objects. IEEE Access, 2021, 9, 169220-169230.	4.2	2
1113	Deep Learning Empowered MAC Protocol Identification With Squeeze-and-Excitation Networks. IEEE Transactions on Cognitive Communications and Networking, 2022, 8, 683-693.	7.9	6
1114	Unsupervised Deep Hyperspectral Video Target Tracking and High Spectral-Spatial-Temporal Resolution (H <sup>3</sup> ) Benchmark Dataset. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	15
1115	Lightweight and Accurate DNN-based Anomaly Detection at Edge. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	5.6	0
1116	A Novel Weakly Supervised Ensemble Learning Framework for Automated Pixel-Wise Industry Anomaly Detection. IEEE Sensors Journal, 2022, 22, 1560-1570.	4.7	6
1117	Juggler-ResNet: A Flexible and High-Speed ResNet Optimization Method for Intrusion Detection System in Software-Defined Industrial Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 4224-4233.	11.3	19
1119	Automation of a Rule-based Workflow to Estimate Age from Brain MR Imaging of Infants and Children Up to 2 Years Old Using Stacked Deep Learning. Magnetic Resonance in Medical Sciences, 2021, , .	2.0	5
1120	Fracture Identification in Well Logging Images: Two-Stage Adaptive Network. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	2
1121	Multireceptive Field Denoising Residual Convolutional Networks for Fault Diagnosis. IEEE Transactions on Industrial Electronics, 2022, 69, 11686-11696.	7.9	34
1122	MSANet: Multiscale Aggregation Network Integrating Spatial and Channel Information for Lung Nodule Detection. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2547-2558.	6.3	14
1124	Relation-Attention Networks for Remote Sensing Scene Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 422-439.	4.9	21
1125	LCRCA: image super-resolution using lightweight concatenated residual channel attention networks. Applied Intelligence, 2022, 52, 10045-10059.	5.3	6
1127	Two-stream convolutional LSTM for precipitation nowcasting. Neural Computing and Applications, 2022, 34, 13281-13290.	5.6	8
1128	RELAXNet: Residual efficient learning and attention expected fusion network for real-time semantic segmentation. Neurocomputing, 2022, 474, 115-127.	5.9	24
1129	A feature fusion enhanced multiscale CNN with attention mechanism for spot-welding surface appearance recognition. Computers in Industry, 2022, 135, 103583.	9.9	20
1130	Towards real-time tracking and counting of seedlings with a one-stage detector and optical flow. Computers and Electronics in Agriculture, 2022, 193, 106683.	7.7	22
1131	Multi-attribute adaptive aggregation transformer for vehicle re-identification. Information Processing and Management, 2022, 59, 102868.	8.6	21

#	ARTICLE	IF	CITATIONS
1132	Eff2Net: An efficient channel attention-based convolutional neural network for skin disease classification. Biomedical Signal Processing and Control, 2022, 73, 103406.	5.7	39
1133	Brightness-gradient difference feature guided shadow removal method. Knowledge-Based Systems, 2022, 239, 107986.	7.1	1
1134	High performing ensemble of convolutional neural networks for insect pest image detection. Ecological Informatics, 2022, 67, 101515.	5.2	45
1135	Double paths network with residual information distillation for improving lung CT image super resolution. Biomedical Signal Processing and Control, 2022, 73, 103412.	5.7	12
1136	Diagnosis of ulcerative colitis from endoscopic images based on deep learning. Biomedical Signal Processing and Control, 2022, 73, 103443.	5.7	22
1137	A lightweight detector based on attention mechanism for aluminum strip surface defect detection. Computers in Industry, 2022, 136, 103585.	9.9	41
1138	Two-stage aware attentional Siamese network for visual tracking. Pattern Recognition, 2022, 124, 108502.	8.1	13
1139	Multi-attentive hierarchical dense fusion net for fusion classification of hyperspectral and LiDAR data. Information Fusion, 2022, 82, 1-18.	19.1	48
1140	Indoor Seat State Monitoring Based On Object Detection. , 2020, , .		0
1141	ViPNet: An End-to-End 6D Visual Camera Pose Regression Network. , 2020, , .		2
1142	Deep Learning Off-the-shelf Holistic Feature Descriptors for Visual Place Recognition in Challenging Conditions. , 2020, , .		1
1143	Hierarchical Attention for Ship Detection in SAR Images. , 2020, , .		9
1144	A Multi-Scale Detector Based on Attention Mechanism. , 2020, , .		0
1145	Multi-person Pose Estimation with Object Occlusion Information. , 2020, , .		0
1146	Resource-Adaptive Deep Learning for Visual Speech Recognition. , 0, , .		3
1147	Toward an End-to-End Solution to Identification of Handheld Pharmaceutical Blister Packages. , 2020, , .		0
1148	A Feature Extraction Method Based on Few-shot Learning. , 2020, , .		0
1149	Dynamic Attention-based Visual Odometry. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
1150	Adversarial Separation Network for Speaker Recognition. , 0, , .		9
1151	Violence Detection in Videos using Deep Recurrent and Convolutional Neural Networks. , 2020, , .		18
1152	Cell Counting with Channels Attention. , 2020, , .		1
1153	A CNN Model for Herb Identification Based on Part Priority Attention Mechanism. , 2020, , .		2
1154	CNN Approaches to Classify Multivariate Time Series Using Class-specific Features. , 2020, , .		1
1155	Semantic Segmentation of High Resolution Remote Sensing Images with Extra Context Attention Mechanism. , 2020, , .		0
1156	Reliable and Efficient Bear-presence Detection based on Region Proposal of Low-resolution. , 2020, , .		0
1157	Adaptive Domain-Aware Representation Learning for Speech Emotion Recognition. , 0, , .		6
1158	An Improved Image Classification Method for Specific Reality Environments. , 2020, , .		0
1159	MAST: Myo Armband Sign-Language Translator for Human Hand Activity Classification. , 2020, , .		2
1160	Performance Study of Facial Expression Recognition Using Convolutional Neural Network. , 2020, , .		6
1161	Deep Learning Semantic Segmentation for High-Resolution Medical Volumes. , 2020, , .		2
1162	Dual Attention in Time and Frequency Domain for Voice Activity Detection. , 0, , .		3
1163	Deeplab_v3_plus-net for Image Semantic Segmentation with Channel Compression. , 2020, , .		12
1164	Noisy-Reverberant Speech Enhancement Using DenseUNet with Time-Frequency Attention. , 0, , .		16
1166	AAM: An Advanced Attention Module in Convolutional Neural Networks. , 2020, , .		0
1167	Channel Splitting Network for Single Image Dehazing. , 2020, , .		0
1168	Multi-Modality Matters: A Performance Leap on VoxCeleb. , 0, , .		9

#	ARTICLE	IF	CITATIONS
1169	A Real-Time Forward Collision Warning Technique Incorporating Detection and Depth Estimation Networks. , 2020, , .		3
1170	A Channel-Wise Multichannel Speech Separation Network for Ad-hoc Microphones Environments. , 2020, , .		0
1171	An Effective Perturbation Based Semi-Supervised Learning Method for Sound Event Detection. , 0, , .		4
1172	Deep Learning-Based Facial Landmarks Localization with Loss Comparison. , 2020, , .		1
1173	Depthwise Separable Convolutional ResNet with Squeeze-and-Excitation Blocks for Small-Footprint Keyword Spotting. , 0, , .		13
1174	Whale-Call Classification Based on Transfer Learning and Ensemble Method. , 2020, , .		1
1175	Gaze Estimation with Multi-Scale Channel and Spatial Attention. , 2020, , .		3
1176	Learning Affordance Segmentation: An Investigative Study. , 2020, , .		4
1177	Single Image Super-Resolution Using Feedback Attention Networks. , 2020, , .		0
1178	Defect detection of fabrics With Generative Adversarial Network Based flaws modeling. , 2020, , .		5
1179	A Lightweight Network for Fast Semantic Segmentation. , 2020, , .		1
1180	Multimodality Pain and related Behaviors Recognition based on Attention Learning. , 2020, , .		1
1181	Convolutional Neural Networks for Mobile Face Recognition with Hierarchical Feature integration. , 2020, , .		0
1182	DSCA-Net: Indoor Head Detection Network Using Dual-Stream Information and Channel Attention. Chinese Journal of Electronics, 2020, 29, 1102-1109.	1.5	0
1183	Multitask Learning for Video-based Surgical Skill Assessment. , 2020, , .		4
1184	Precise Dental Staging Method through Panoramic Radiographs Based on Deep Learning. , 2020, , .		1
1185	Selective Model for Few Shot Classification. , 2020, , .		0
1186	AFT-Net: Active Fusion-Transduction for Multi-stream Medical Image Segmentation. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
1187	A keypoint-based object detection method with attention mechanism and feature fusion. , 2020, , .		0
1188	MFSSD: An Enhanced SSD for Underwater Object Detection. , 2020, , .		1
1189	3D Residual Networks with Channel-Spatial Attention Module for Action Recognition. , 2020, , .		1
1190	Spatiotemporal Convolutional LSTM for Radar Echo Extrapolation. , 2020, , .		4
1191	A Multi-Input CNNs with Attention for Skin Lesion Classification. , 2020, , .		0
1192	Lightweight Progressive Residual Clique Network for Image Super-Resolution. , 2020, , .		0
1193	A lightweight 2D Pose Machine with attention enhancement. , 2020, , .		1
1194	Attentional Dilated Convolution Neural Network for Nuclei Segmentation in Histopathology Images. , 2020, , .		2
1195	An Exploration of Domain Adaptation Applying to Grasp Detection Algorithm. , 2020, , .		2
1196	Predicting Motor Vehicle Theft in Santiago de Chile using Graph-Convolutional LSTM. , 2020, , .		3
1197	SIPA: A Simple Framework for Efficient Networks. , 2020, , .		0
1198	Recalibration of Neural Networks for Point Cloud Analysis. , 2020, , .		2
1199	Multi-defect detection for magnetic tile based on SE-U-Net. , 2020, , .		5
1200	Analysis of ABC Submission to NIST SRE 2019 CMN and VAST Challenge. , 0, , .		5
1201	Multimodal Information Fusion Approach for Noncontact Heart Rate Estimation Using Facial Videos and Graph Convolutional Network. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	4
1202	Cross-SRN: Structure-Preserving Super-Resolution Network With Cross Convolution. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4927-4939.	8.3	29
1203	MFFNet: Multi-Path Features Fusion Network for Source Enumeration. IEEE Communications Letters, 2022, 26, 572-576.	4.1	7
1204	Instance Segmentation Method of Adherent Targets in Pig Images Based on Improved Mask R-CNN. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
1205	CLRGaze: Contrastive Learning of Representations for Eye Movement Signals. , 2021, , .		2
1206	Multi-Label Cardiac Abnormalities Classification on Selected Leads of ECG Signals. , 2021, , .		2
1207	3D-FFS: Faster 3D object detection with Focused Frustum Search in sensor fusion based networks. , 2021, , .		0
1208	Hybrid Arrhythmia Detection on Varying-Dimensional Electrocardiography: Combining Deep Neural Networks and Clinical Rules. , 2021, , .		1
1209	Classifying Different Dimensional ECGs Using Deep Residual Convolutional Neural Networks. , 2021, , .		1
1210	A Novel Multi-Scale Convolutional Neural Network for Arrhythmia Classification on Reduced-Lead ECGs. , 2021, , .		2
1211	Liver Tumor Segmentation Based on Three-Channel Cascaded SEU-Nets and C-LSTM. , 2021, , .		0
1212	Landslide Recognition Based on the Improved U-net. , 2021, , .		1
1213	Selfreg: Regularization Method via High-level Feature. , 2021, , .		0
1214	Improved Image Dehazing Algorithm Based on Multi-scale Feature Fusion. , 2021, , .		0
1215	Supervised Attention Mechanism for Road Segmentation. , 2021, , .		0
1216	Survey on machine learning applied to medical image analysis. , 2021, , .		1
1217	Grouping and Decoupling Mechanism for Diabetic Retinopathy Image Grading. , 2021, , .		2
1218	Power Transmission Line Image Segmentation Method Based on Binocular Vision and Feature Pyramid Network. , 2021, , .		2
1219	Robust Multi-Object Tracking Using Re-Identification Features and Graph Convolutional Networks. , 2021, , .		6
1220	An improved ResNet network based healing judgment algorithm for grafted seedlings. , 2021, , .		0
1221	Cassava Leaf Disease Classification using Deep Neural Networks. , 2021, , .		10
1222	New Method of Detecting Calcification Regions in Dental Panoramic Radiographs Based on U-PraNet. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
1223	The Value of Visual Attention for COVID-19 Classification in CT Scans. , 2021, , .		1
1224	Text Image Super Resolution Using Deep Attention Neural Network. , 2021, , .		0
1225	Dual attention mechanism object tracking algorithm based on Fully-convolutional Siamese network. , 2021, , .		0
1226	Denoising Fused Wavelets Net for Aeroengine Bevel Gear Fault Diagnosis. , 2021, , .		1
1227	DSResSol: A Sequence-Based Solubility Predictor Created with Dilated Squeeze Excitation Residual Networks. International Journal of Molecular Sciences, 2021, 22, 13555.	4.1	35
1228	Modeling Driver's Visual Fixation Behavior Using White-Box Representations. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15434-15449.	8.0	2
1229	MF-Dfnet: a deep learning method for pixel-wise classification of very high-resolution remote sensing images. International Journal of Remote Sensing, 2022, 43, 330-348.	2.9	2
1230	Design possibilities and challenges of DNN models: a review on the perspective of end devices. Artificial Intelligence Review, 2022, 55, 5109-5167.	15.7	11
1231	Detection of Carrot Quality Using DCGAN and Deep Network with Squeeze-and-Excitation. Food Analytical Methods, 2022, 15, 1432-1444.	2.6	7
1232	Toward Performing Image Classification and Object Detection With Convolutional Neural Networks in Autonomous Driving Systems: A Survey. IEEE Access, 2022, 10, 14076-14119.	4.2	16
1233	Arabic named entity recognition in social media based on BiLSTM-CRF using an attention mechanism. Journal of Intelligent and Fuzzy Systems, 2022, , 1-10.	1.4	1
1234	An end-to-end welding defect detection approach based on titanium alloy time-of-flight diffraction images. Journal of Intelligent Manufacturing, 2023, 34, 1895-1909.	7.3	9
1235	Photoplethysmographic waveform detection for determining hatching egg activity via deep neural network. Signal, Image and Video Processing, 2022, 16, 955-963.	2.7	1
1236	Multi-level augmented inpainting network using spatial similarity. Pattern Recognition, 2022, 126, 108547.	8.1	1
1237	Temporal Point Cloud Completion With Pose Disturbance. IEEE Robotics and Automation Letters, 2022, 7, 4165-4172.	5.1	9
1238	Detection and Localization of Myocardial Infarction Based on Multi-Scale ResNet and Attention Mechanism. Frontiers in Physiology, 2022, 13, 783184.	2.8	9
1239	An Explainable Laser Welding Defect Recognition Method Based on Multi-Scale Class Activation Mapping. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	6
1240	WBC-AMNet: Automatic classification of WBC images using deep feature fusion network based on focalized attention mechanism. PLoS ONE, 2022, 17, e0261848.	2.5	11

#	ARTICLE	IF	CITATIONS
1241	Pulmonary nodules detection based on multi-scale attention networks. Scientific Reports, 2022, 12, 1466.	3.3	7
1242	Swin Transformer Embedding UNet for Remote Sensing Image Semantic Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	120
1243	HT-Net: hierarchical context-attention transformer network for medical ct image segmentation. Applied Intelligence, 2022, 52, 10692-10705.	5.3	19
1244	End-to-end driving model based on deep learning and attention mechanism. Journal of Intelligent and Fuzzy Systems, 2022, 42, 3337-3348.	1.4	1
1245	JSENet: A deep convolutional neural network for joint image super-resolution and enhancement. Neurocomputing, 2022, 489, 570-583.	5.9	2
1246	B-FGC-Net: A Building Extraction Network from High Resolution Remote Sensing Imagery. Remote Sensing, 2022, 14, 269.	4.0	26
1247	Attentive fine-grained recognition for cross-domain few-shot classification. Neural Computing and Applications, 2022, 34, 4733-4746.	5.6	7
1248	MSL-MNN: image deraining based on multi-scale lightweight memristive neural network. Neural Computing and Applications, 2022, 34, 7299-7309.	5.6	4
1249	A deep learning approach for insulator instance segmentation and defect detection. Neural Computing and Applications, 2022, 34, 7253-7269.	5.6	14
1250	Combination of Transfer Learning Methods for Kidney Glomeruli Image Classification. Applied Sciences (Switzerland), 2022, 12, 1040.	2.5	10
1251	Safe-Nav: learning to prevent PointGoal navigation failure in unknown environments. Complex & Intelligent Systems, 2022, 8, 2273-2290.	6.5	6
1252	E-TBNet: Light Deep Neural Network for Automatic Detection of Tuberculosis with X-ray DR Imaging. Sensors, 2022, 22, 821.	3.8	16
1253	Laser Curve Extraction of Wheelset Based on Deep Learning Skeleton Extraction Network. Sensors, 2022, 22, 859.	3.8	1
1254	Kidney Tumor Segmentation Using Two-Stage Bottleneck Block Architecture. Intelligent Automation and Soft Computing, 2022, 33, 349-363.	2.1	6
1255	Research on Real-Time Face Key Point Detection Algorithm Based on Attention Mechanism. Computational Intelligence and Neuroscience, 2022, 2022, 1-11.	1.7	2
1256	River Segmentation of Remote Sensing Images Based on Composite Attention Network. Complexity, 2022, 2022, 1-13.	1.6	5
1257	Fast 3-D Electromagnetic Full-Wave Inversion of Dielectric Anisotropic Objects Based on ResU-Net Enhanced by Variational Born Iterative Method. IEEE Transactions on Antennas and Propagation, 2022, 70, 6229-6239.	5.1	3
1258	Adaptive Dense Ensemble Model for Text Classification. IEEE Transactions on Cybernetics, 2022, 52, 7513-7526.	9.5	3

#	ARTICLE	IF	CITATIONS
1259	A Multi-Domain Fusion Human Motion Recognition Method Based on Lightweight Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
1260	Anatomically constrained squeeze-and-excitation graph attention network for cortical surface parcellation. Computers in Biology and Medicine, 2022, 140, 105113.	7.0	5
1261	BAM: Block attention mechanism for OCT image classification. IET Image Processing, 2022, 16, 1376-1388.	2.5	6
1262	DeepMIH: Deep Invertible Network for Multiple Image Hiding. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 372-390.	13.9	48
1263	Deep Learning in Prostate Cancer Diagnosis Using Multiparametric Magnetic Resonance Imaging With Whole-Mount Histopathology Referenced Delineations. Frontiers in Medicine, 2021, 8, 810995.	2.6	8
1264	Frequency separation-based multi-scale cascading residual block network for image super resolution. Multimedia Tools and Applications, 2022, 81, 6827-6848.	3.9	5
1265	S3D: Squeeze and Excitation 3D Convolutional Neural Networks for a Fall Detection System. Mathematics, 2022, 10, 328.	2.2	1
1266	Semantic segmentation network with multi-path structure, attention reweighting and multi-scale encoding. Visual Computer, 2023, 39, 597-608.	3.5	6
1267	Deep Learning Based Route Information Extraction from Satellite Imagery for Agricultural Machinery Management. , 2022, , .		1
1268	Transfer Learning Aurora Image Classification and Magnetic Disturbance Evaluation. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	8
1269	Deep learning-based risk classification and auxiliary diagnosis of macular edema. Intelligence-based Medicine, 2022, 6, 100053.	2.4	8
1270	A lightweight and efficient neural network for modulation recognition. , 2022, 123, 103444.		8
1271	Multi-Scale Progressive Fusion Attention Network Based on Small Sample Training for DAS Noise Suppression. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	4
1272	Deep Learning Image Analysis of High-Throughput Toxicology Assay Images. SLAS Discovery, 2022, 27, 29-38.	2.7	3
1273	Recognizing object surface materials to adapt robotic disinfection in infrastructure facilities. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 1521-1546.	9.8	14
1274	Rethinking Pooling Operation for Liver and Liver-Tumor Segmentations. Frontiers in Signal Processing, 2022, 1, .	1.7	0
1275	Real-time detection of flame and smoke using an improved YOLOv4 network. Signal, Image and Video Processing, 2022, 16, 1109-1116.	2.7	22
1276	Visualizing Classification Results: Confusion Star and Confusion Gear. IEEE Access, 2022, 10, 1659-1677.	4.2	7

#	ARTICLE	IF	CITATIONS
1277	Deep Learning-Based Facial Landmarks Localization Using Compound Scaling. IEEE Access, 2022, 10, 7653-7663.	4.2	3
1278	Fault detection of train mechanical parts using multi-mode aggregation feature enhanced convolution neural network. International Journal of Machine Learning and Cybernetics, 2022, 13, 1781-1794.	3.6	6
1279	Model design and parameter optimization of CNN for side-channel cryptanalysis. PeerJ Computer Science, 2022, 7, e829.	4.5	1
1280	Difficulty-aware bi-network with spatial attention constrained graph for axillary lymph node segmentation. Science China Information Sciences, 2022, 65, 1.	4.3	4
1281	ShadowDeNet: A Moving Target Shadow Detection Network for Video SAR. Remote Sensing, 2022, 14, 320.	4.0	10
1282	Lightweight Salient Object Detection in Optical Remote Sensing Images via Feature Correlation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	27
1283	A Lightweight Dangerous Liquid Detection Method Based on Depthwise Separable Convolution for X-Ray Security Inspection. Computational Intelligence and Neuroscience, 2022, 2022, 1-14.	1.7	1
1284	Generative adversarial network with hybrid attention and compromised normalization for multi-scene image conversion. Neural Computing and Applications, 2022, 34, 7209-7225.	5.6	9
1285	LungSeek: 3D Selective Kernel residual network for pulmonary nodule diagnosis. Visual Computer, 2023, 39, 679-692.	3.5	7
1286	Review the state-of-the-art technologies of semantic segmentation based on deep learning. Neurocomputing, 2022, 493, 626-646.	5.9	181
1287	Grouping sparse filtering: a novel down-sampling approach toward rotating machine intelligent diagnosis in 1D-convolutional neural networks. Measurement Science and Technology, 2022, 33, 065111.	2.6	5
1288	High-Accuracy and Adaptive Fault Diagnosis of High-Speed Train Bogie Using Dense-Squeeze Network. IEEE Transactions on Vehicular Technology, 2022, 71, 2501-2510.	6.3	8
1289	An Adaptive Attention Fusion Mechanism Convolutional Network for Object Detection in Remote Sensing Images. Remote Sensing, 2022, 14, 516.	4.0	37
1290	An attention-based prototypical network for forest fire smoke few-shot detection. Journal of Forestry Research, 2022, 33, 1493-1504.	3.6	5
1291	Query-aware video encoder for video moment retrieval. Neurocomputing, 2022, 483, 72-86.	5.9	4
1292	A deep learning framework for SKA Science Data Challenge 1. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	2
1293	A novel arrhythmia classification of electrocardiogram signal based on modified HRNet and ECA. Measurement Science and Technology, 0, , .	2.6	3
1294	Elimination of stripe artifacts in light sheet fluorescence microscopy using an attention-based residual neural network. Biomedical Optics Express, 2022, 13, 1292.	2.9	11

#	ARTICLE	IF	CITATIONS
1295	Dual-attention guided multi-scale network for single image super-resolution. Applied Intelligence, 2022, 52, 12258-12271.	5.3	1
1296	Identification method of vegetable diseases based on transfer learning and attention mechanism. Computers and Electronics in Agriculture, 2022, 193, 106703.	7.7	39
1297	Automatic detection and localization of thighbone fractures in X-ray based on improved deep learning method. Computer Vision and Image Understanding, 2022, 216, 103345.	4.7	13
1298	Enabling efficient WiFi-based occupant behavior recognition using insufficient samples. Building and Environment, 2022, 212, 108806.	6.9	6
1299	Exploring convolutional neural networks with transfer learning for diagnosing Lyme disease from skin lesion images. Computer Methods and Programs in Biomedicine, 2022, 215, 106624.	4.7	16
1300	MLFC-net: A multi-level feature combination attention model for remote sensing scene classification. Computers and Geosciences, 2022, 160, 105042.	4.2	10
1301	PDR-Net: Progressive depth reconstruction network for color guided depth map super-resolution. Neurocomputing, 2022, 479, 75-88.	5.9	6
1302	A multi-task two-path deep learning system for predicting the invasiveness of craniopharyngioma. Computer Methods and Programs in Biomedicine, 2022, 216, 106651.	4.7	4
1303	IL-MCAM: An interactive learning and multi-channel attention mechanism-based weakly supervised colorectal histopathology image classification approach. Computers in Biology and Medicine, 2022, 143, 105265.	7.0	58
1304	A 2.5D semantic segmentation of the pancreas using attention guided dual context embedded U-Net. Neurocomputing, 2022, 480, 14-26.	5.9	17
1305	A Method of Hierarchical Feature Fusion and Connected Attention Architecture for Pavement Crack Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16038-16047.	8.0	14
1306	Heterogeneous Knowledge Distillation for Simultaneous Infrared-Visible Image Fusion and Super-Resolution. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	23
1307	FSAD-Net: Feedback Spatial Attention Dehazing Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7719-7733.	11.3	7
1308	Deep multi-label joint learning for RNA and DNA-binding proteins prediction. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, PP, 1-1.	3.0	1
1309	A Segmentation-Based Multitask Learning Approach for Isolating Switch State Recognition in High-Speed Railway Traction Substation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15922-15939.	8.0	8
1310	From Pixel to Patch: Synthesize Context-Aware Features for Zero-Shot Semantic Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7689-7703.	11.3	3
1311	Deep Image Denoising With Adaptive Priors. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 5124-5136.	8.3	23
1312	JAC-Net: Joint learning with adaptive exploration and concise attention for unsupervised domain adaptive person re-identification. Neurocomputing, 2022, 483, 262-274.	5.9	3

#	ARTICLE	IF	CITATIONS
1313	BiRe-ID: Binary Neural Network for Efficient Person Re-ID. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-22.	4.3	6
1314	A Cascade Attention Based Facial Expression Recognition Network by Fusing Multi-Scale Spatio-Temporal Features. Sensors, 2022, 22, 1350.	3.8	12
1315	A High-Performance Deep Neural Network Model for BI-RADS Classification of Screening Mammography. Sensors, 2022, 22, 1160.	3.8	25
1316	Directionally separable dilated CNN with hierarchical attention feature fusion for hyperspectral image classification. International Journal of Remote Sensing, 2022, 43, 812-840.	2.9	4
1317	Remote Sensing Monitoring of Grasslands Based on Adaptive Feature Fusion with Multi-Source Data. Remote Sensing, 2022, 14, 750.	4.0	3
1318	Multi-scale network for remote sensing segmentation. IET Image Processing, 2022, 16, 1742-1751.	2.5	4
1319	Multilevel Feature Exploration Network for Image Superresolution. Scientific Programming, 2022, 2022, 1-9.	0.7	2
1320	Generating De-identification facial images based on the attention models and adversarial examples. AEJ - Alexandria Engineering Journal, 2022, 61, 8417-8429.	6.4	24
1321	SlimYOLOv4: lightweight object detector based on YOLOv4. Journal of Real-Time Image Processing, 2022, 19, 487-498.	3.5	13
1322	Research on Multi-Scene Electronic Component Detection Algorithm with Anchor Assignment Based on K-Means. Electronics (Switzerland), 2022, 11, 514.	3.1	2
1323	A Lightweight Attention-Based Convolutional Neural Networks for Tomato Leaf Disease Classification. Agriculture (Switzerland), 2022, 12, 228.	3.1	65
1324	Curvature-Driven Deformable Convolutional Networks for End-To-End Object Detection. Mobile Information Systems, 2022, 2022, 1-11.	0.6	1
1325	An Investigation of a Multidimensional CNN Combined with an Attention Mechanism Model to Resolve Small-Sample Problems in Hyperspectral Image Classification. Remote Sensing, 2022, 14, 785.	4.0	22
1326	Hybrid Variability Aware Network (HVANet): A Self-Supervised Deep Framework for Label-Free SAR Image Change Detection. Remote Sensing, 2022, 14, 734.	4.0	7
1327	Real-time goat face recognition using convolutional neural network. Computers and Electronics in Agriculture, 2022, 194, 106730.	7.7	31
1328	Dual attention based network for skin lesion classification with auxiliary learning. Biomedical Signal Processing and Control, 2022, 74, 103549.	5.7	12
1329	Squeeze-Excitation Based Communication Behavior Recognition Approach for Spectrum Sensing Data. , 2021, , .		1
1330	Fingerprint biometric key generation based on a deep neural network. International Journal of Intelligent Systems, 2022, 37, 4329-4358.	5.7	7

#	ARTICLE	IF	CITATIONS
1331	A localization strategy combined with transfer learning for image annotation. PLoS ONE, 2021, 16, e0260758.	2.5	0
1332	Few-Shot Transfer Learning for SAR Image Classification Without Extra SAR Samples. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2240-2253.	4.9	23
1333	FP-Age: Leveraging Face Parsing Attention for Facial Age Estimation in the Wild. IEEE Transactions on Image Processing, 2024, PP, 1-1.	9.8	10
1334	Using Deep Neural Networks for Predicting Diseased Cotton Plants and Leafs. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 385-399.	0.7	2
1335	Meta PID Attention Network for Flexible and Efficient Real-World Noisy Image Denoising. IEEE Transactions on Image Processing, 2022, 31, 2053-2066.	9.8	18
1336	A Channel Attention-Based Method for Micro-Motor Armature Surface Defect Detection. IEEE Sensors Journal, 2022, 22, 8672-8684.	4.7	13
1337	Contextual Transformer Networks for Visual Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 1489-1500.	13.9	182
1338	A Noise-robust Feature Fusion Model Combining Non-local Attention for Material Recognition. , 2022, , .		2
1339	Learning-Based Key Points Estimation Method for Burden Surface Profile Detection in Blast Furnace. IEEE Sensors Journal, 2022, 22, 9589-9597.	4.7	4
1340	YinYang-Net: Complementing Face and Body Information for Wild Gender Recognition. IEEE Access, 2022, 10, 28122-28132.	4.2	2
1341	CENet: A Channel-Enhanced Spatiotemporal Network With Sufficient Supervision Information for Recognizing Industrial Smoke Emissions. IEEE Internet of Things Journal, 2022, 9, 18749-18759.	8.7	10
1342	A Deep Multitask Convolutional Neural Network for Remote Sensing Image Super-Resolution and Colorization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	13
1343	An Effective Network Integrating Residual Learning and Channel Attention Mechanism for Thin Cloud Removal. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	12
1344	Deep Learning for Fine-Grained Image Recognition: A Comprehensive Study. , 2022, , .		5
1345	Fine Perceptive GANs for Brain MR Image Super-Resolution in Wavelet Domain. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8802-8814.	11.3	76
1346	Fast and Lightweight Network for Single Frame Structured Illumination Microscopy Super-Resolution. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	5
1347	Spatial-Temporal Feature Fusion Neural Network for EEG-Based Emotion Recognition. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	21
1348	SwinSUNet: Pure Transformer Network for Remote Sensing Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	55

#	ARTICLE	IF	CITATIONS
1349	MSF-Net: A Multiscale Supervised Fusion Network for Building Change Detection in High-Resolution Remote Sensing Images. IEEE Access, 2022, 10, 30925-30938.	4.2	11
1350	LIANet: Layer Interactive Attention Network for RGB-D Salient Object Detection. IEEE Access, 2022, 10, 25435-25447.	4.2	6
1351	RanNet: Learning Residual-Attention Structure in CNNs for Automatic Modulation Classification. IEEE Wireless Communications Letters, 2022, 11, 1243-1247.	5.0	13
1353	Semantic Segmentation of Terrestrial Laser Scanning Point Clouds Using Locally Enhanced Image-Based Geometric Representations. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	5
1354	An Attention-Based Lattice Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	8
1355	RegNet: Self-Regulated Network for Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9562-9567.	11.3	29
1356	A Method of Potentially Promising Network for Crack Detection With Enhanced Convolution and Dynamic Feature Fusion. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 18736-18745.	8.0	11
1357	A Semantic Guidance and Transformer-Based Matching Method for UAVs and Satellite Images for UAV Geo-Localization. IEEE Access, 2022, 10, 34277-34287.	4.2	9
1358	Visualization of Plant Leaf Classification Process Based on Multi-Layer Network Model. , 2022, , .		0
1359	A Learning-Based AoA Estimation Method for Device-Free Localization. IEEE Communications Letters, 2022, 26, 1264-1267.	4.1	5
1360	Pre-Activation - Spatial Attention Module for Multiple Catheters and Tubes Classification. , 2022, , .		0
1361	DSNet: A Dual-Stream Framework for Weakly-Supervised Gigapixel Pathology Image Analysis. IEEE Transactions on Medical Imaging, 2022, 41, 2180-2190.	8.9	10
1362	Zero-Shot Ultrasound Nondestructive Testing Image Super-Resolution Based on Reflection Projection. Lecture Notes in Electrical Engineering, 2022, , 1287-1297.	0.4	1
1363	A Crowdsourcing Approach to Develop Machine Learning Models to Quantify Radiographic Joint Damage in Rheumatoid Arthritis. SSRN Electronic Journal, 0, , .	0.4	1
1364	Filtering Deep Convolutional Features for Image Retrieval. International Journal of Pattern Recognition and Artificial Intelligence, 2022, 36, .	1.2	2
1365	Real-Time Semantic Segmentation with Local Spatial Pixel Adjustment. SSRN Electronic Journal, 0, , .	0.4	0
1367	Multi-Modality Reconstruction Attention and Difference Enhancement Network for Brain MRI Image Segmentation. IEEE Access, 2022, 10, 31058-31069.	4.2	6
1368	Face Expression Classification using Squeeze-Excitation based VGG16 Network. , 2022, , .		3

#	ARTICLE	IF	CITATIONS
1369	YOLO-Ship: A Visible Light Ship Detection Method. , 2022, , .		9
1370	Feature Fusion and Center Aggregation for Visible-Infrared Person Re-Identification. IEEE Access, 2022, 10, 30949-30958.	4.2	9
1371	Spreading Fine-Grained Prior Knowledge for Accurate Tracking. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6186-6199.	8.3	11
1372	FANet: A Feedback Attention Network for Improved Biomedical Image Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9375-9388.	11.3	67
1373	Automatic Abdominal Hernia Mesh Detection Based on YOLOM. IEEE Access, 2022, 10, 31420-31431.	4.2	3
1374	Simultaneous Viewpoint- and Condition-Invariant Loop Closure Detection Based on LiDAR Descriptor for Outdoor Large-Scale Environments. IEEE Transactions on Industrial Electronics, 2023, 70, 2117-2127.	7.9	2
1375	A Small-Sized Object Detection Oriented Multi-Scale Feature Fusion Approach With Application to Defect Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	96
1376	DCU-net: a deformable convolutional neural network based on cascade U-net for retinal vessel segmentation. Multimedia Tools and Applications, 2022, 81, 15593-15607.	3.9	14
1377	Intracranial Aneurysm Rupture Risk Estimation With Multidimensional Feature Fusion. Frontiers in Neuroscience, 2022, 16, 813056.	2.8	7
1378	Lightweight network-based multi-modal feature fusion for face anti-spoofing. Visual Computer, 0, , 1.	3.5	6
1379	VIMSNet: an effective network for visually induced motion sickness detection. Signal, Image and Video Processing, 2022, 16, 2029-2036.	2.7	4
1380	Classification of Phonocardiogram Based on Multi-View Deep Network. Neural Processing Letters, 2023, 55, 3655-3670.	3.2	4
1381	MBMR-Net: multi-branches multi-resolution cross-projection network for single image super-resolution. Applied Intelligence, 2022, 52, 12975-12989.	5.3	1
1382	Understanding the Computational Demands Underlying Visual Reasoning. Neural Computation, 2022, 34, 1075-1099.	2.2	6
1383	YOLO V4 with hybrid dilated convolution attention module for object detection in the aerial dataset. International Journal of Remote Sensing, 2022, 43, 1323-1344.	2.9	8
1384	A Combined Convolutional Neural Network for Urban Land-Use Classification with GIS Data. Remote Sensing, 2022, 14, 1128.	4.0	13
1385	Pre-Training Without Natural Images. International Journal of Computer Vision, 2022, 130, 990-1007.	15.6	13
1386	An Improved DeepLab v3+ Deep Learning Network Applied to the Segmentation of Grape Leaf Black Rot Spots. Frontiers in Plant Science, 2022, 13, 795410.	3.6	24

#	ARTICLE	IF	CITATIONS
1387	Survey of Road Extraction Methods in Remote Sensing Images Based on Deep Learning. PFG - Journal of Photogrammetry, Remote Sensing and Geoinformation Science, 2022, 90, 135-159.	1.1	10
1388	Adversarial Fusion Network for Forest Fire Smoke Detection. Forests, 2022, 13, 366.	2.1	3
1389	Improved Wafer Map Inspection Using Attention Mechanism and Cosine Normalization. Machines, 2022, 10, 146.	2.2	7
1390	Super-Resolving Ocean Dynamics from Space with Computer Vision Algorithms. Remote Sensing, 2022, 14, 1159.	4.0	11
1391	A dynamic object filtering approach based on object detection and geometric constraint between frames. IET Image Processing, 2022, 16, 1636-1647.	2.5	0
1392	Radar Signal Recognition and Localization Based on Multiscale Lightweight Attention Model. Journal of Sensors, 2022, 2022, 1-13.	1.1	2
1393	A Data-Efficient Framework for the Identification of Vaginitis Based on Deep Learning. Journal of Healthcare Engineering, 2022, 2022, 1-11.	1.9	2
1394	Fast Method of Detecting Packaging Bottle Defects Based on ECA-EfficientDet. Journal of Sensors, 2022, 2022, 1-9.	1.1	1
1395	Deep learning-based local climate zone classification using Sentinel-1 SAR and Sentinel-2 multispectral imagery. Geo-Spatial Information Science, 2022, 25, 383-398.	5.3	15
1396	Self-distribution binary neural networks. Applied Intelligence, 2022, 52, 13870-13882.	5.3	6
1397	Multi-view Road Disease Detection Based on Attention Fusion and Distillation. , 2022, , .		1
1398	Dynamic gesture recognition based on 2D convolutional neural network and feature fusion. Scientific Reports, 2022, 12, 4345.	3.3	24
1399	Multilevel Attention and Multiscale Feature Fusion Network for Author Classification of Chinese Ink-Wash Paintings. Discrete Dynamics in Nature and Society, 2022, 2022, 1-10.	0.9	2
1400	Efficient Depth Fusion Transformer for Aerial Image Semantic Segmentation. Remote Sensing, 2022, 14, 1294.	4.0	10
1401	Improving cervical cancer classification with imbalanced datasets combining taming transformers with T2T-ViT. Multimedia Tools and Applications, 2022, 81, 24265-24300.	3.9	18
1402	Attention mechanisms in computer vision: A survey. Computational Visual Media, 2022, 8, 331-368.	17.5	647
1403	Attention, please! A survey of neural attention models in deep learning. Artificial Intelligence Review, 2022, 55, 6037-6124.	15.7	57
1404	CASI-Net: A Novel and Effect Steel Surface Defect Classification Method Based on Coordinate Attention and Self-Interaction Mechanism. Mathematics, 2022, 10, 963.	2.2	10

#	ARTICLE	IF	CITATIONS
1405	Res-trans networks for lung nodule classification. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 1059-1068.	2.8	13
1406	Detection of Face Morphing Attacks Based on Patch-Level Features and Lightweight Networks. Security and Communication Networks, 2022, 2022, 1-12.	1.5	1
1407	A Novel Reference-Based and Gradient-Guided Deep Learning Model for Daily Precipitation Downscaling. Atmosphere, 2022, 13, 511.	2.3	3
1408	Deep Convolutional Network with Pixel-Aware Attention for Smoke Recognition. Fire Technology, 2022, 58, 1839-1862.	3.0	4
1409	Survey for person re-identification based on coarse-to-fine feature learning. Multimedia Tools and Applications, 2022, 81, 21939-21973.	3.9	3
1410	Mixed pyramid attention network for nuclear cataract classification based on anterior segment OCT images. Health Information Science and Systems, 2022, 10, 3.	5.2	12
1411	No-Reference Image Quality Assessment Based on Image Multi-Scale Contour Prediction. Applied Sciences (Switzerland), 2022, 12, 2833.	2.5	3
1412	Autonomous Detection of Spodoptera frugiperda by Feeding Symptoms Directly from UAV RGB Imagery. Applied Sciences (Switzerland), 2022, 12, 2592.	2.5	8
1413	X-ray weld defect detection based on AF-RCNN. Welding in the World, Le Soudage Dans Le Monde, 2022, 66, 1165-1177.	2.5	11
1414	Edge Constraint and Location Mapping for Liver Tumor Segmentation from Nonenhanced Images. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-15.	1.3	0
1415	Multi-Scale Normalization Method Combined With a Deep CNN Diagnosis Model of Dynamometer Card in SRP Well. Frontiers in Earth Science, 2022, 10, .	1.8	1
1416	Gradient-Guided and Multi-Scale Feature Network for Image Super-Resolution. Applied Sciences (Switzerland), 2022, 12, 2935.	2.5	6
1417	Classification of Arrhythmia From ECG Signals Using CSL-Net. , 2022, , .		0
1418	AABLSTM: A Novel Multi-task Based CNN-RNN Deep Model for Fashion Analysis. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-18.	4.3	1
1419	Computer-aided detection of pulmonary nodules based on convolutional neural networks: a review. Physics in Medicine and Biology, 2022, 67, 06TR01.	3.0	8
1420	An improved YOLOv5 model based on visual attention mechanism: Application to recognition of tomato virus disease. Computers and Electronics in Agriculture, 2022, 194, 106780.	7.7	128
1421	RPEOD: A Real-Time Pose Estimation and Object Detection System for Aerial Robot Target Tracking. Machines, 2022, 10, 181.	2.2	7
1422	Traffic Sign Detection via Improved Sparse R-CNN for Autonomous Vehicles. Journal of Advanced Transportation, 2022, 2022, 1-16.	1.7	39

#	ARTICLE	IF	CITATIONS
1423	Deep-learning-based 3D object salient detection via light-field integral imaging. Optics Letters, 2022, 47, 1758.	3.3	2
1424	Traffic Forecasting Based on Integration of Adaptive Subgraph Reformulation and Spatio-Temporal Deep Learning Model. Electronics (Switzerland), 2022, 11, 861.	3.1	1
1425	Semi-Supervised Deep Learning Semantic Segmentation for 3D Volumetric Computed Tomographic Scoring of Chronic Rhinosinusitis: Clinical Correlations and Comparison with Lund-Mackay Scoring. Tomography, 2022, 8, 718-729.	1.8	6
1426	Deep learning autofluorescence-harmonic microscopy. Light: Science and Applications, 2022, 11, 76.	16.6	27
1427	Advancement of deep learning in pneumonia/Covidâ€19 classification and localization: A systematic review with qualitative and quantitative analysis. Chronic Diseases and Translational Medicine, 2022, 8, 154-171.	1.2	4
1428	A pavement distresses identification method optimized for YOLOv5s. Scientific Reports, 2022, 12, 3542.	3.3	18
1429	Improving the generalization of glaucoma detection on fundus images via feature alignment between augmented views. Biomedical Optics Express, 2022, 13, 2018.	2.9	3
1430	DDGANSE: Dual-Discriminator GAN with a Squeeze-and-Excitation Module for Infrared and Visible Image Fusion. Photonics, 2022, 9, 150.	2.0	0
1431	AM-YOLO: Improved YOLOV4 based on attention mechanism and multi-feature fusion. , 2022, , .		3
1432	Real-Time Motor Fault Diagnosis Based on TCN and Attention. Machines, 2022, 10, 249.	2.2	9
1433	Fast location and segmentation of highâ€throughput damaged soybean seeds with invertible neural networks. Journal of the Science of Food and Agriculture, 2022, , .	3.5	1
1434	Precision Detection of Dense Plums in Orchards Using the Improved YOLOv4 Model. Frontiers in Plant Science, 2022, 13, 839269.	3.6	21
1435	Deep multiple auto-encoder with attention mechanism network: A dynamic domain adaptation method for rotary machine fault diagnosis under different working conditions. Knowledge-Based Systems, 2022, 249, 108639.	7.1	34
1436	Imbalanced Heart Sound Signal Classification Based on Two-Stage Trained DsaNet. Cognitive Computation, 2022, 14, 1378-1391.	5.2	6
1437	Hierarchical edge-aware network for defocus blur detection. Complex & Intelligent Systems, 2022, 8, 4265-4276.	6.5	1
1438	Defocus Blur detection via transformer encoder and edge guidance. Applied Intelligence, 2022, 52, 14426-14439.	5.3	3
1439	LSTNet: A Reference-Based Learning Spectral Transformer Network for Spectral Super-Resolution. Sensors, 2022, 22, 1978.	3.8	2
1440	Res2Unet: A multi-scale channel attention network for retinal vessel segmentation. Neural Computing and Applications, 2022, 34, 12001-12015.	5.6	11

#	ARTICLE	IF	CITATIONS
1441	Depth-wise Squeeze and Excitation Block-based Efficient-Unet model for surface defect detection. Visual Computer, 2023, 39, 1745-1764.	3.5	27
1442	A Spatio-Temporal Motion Network for Action Recognition Based on Spatial Attention. Entropy, 2022, 24, 368.	2.2	8
1443	Sharing Weights in Shallow Layers via Rotation Group Equivariant Convolutions. , 2022, 19, 115-126.		0
1444	Light-FireNet: an efficient lightweight network for fire detection in diverse environments. Multimedia Tools and Applications, 2022, 81, 24553-24572.	3.9	8
1445	Deep learning-based fusion hole state recognition and width extraction for thin plate TIG welding. Welding in the World, Le Soudage Dans Le Monde, 2022, 66, 1329-1347.	2.5	3
1446	Safety helmet wearing recognition based on improved YOLOv4 algorithm. , 2022, , .		2
1447	LAEDNet: A Lightweight Attention Encoderâ€“Decoder Network for ultrasound medical image segmentation. Computers and Electrical Engineering, 2022, 99, 107777.	4.8	23
1448	Combination of Radiological and Clinical Baseline Data for Outcome Prediction of Patients With an Acute Ischemic Stroke. Frontiers in Neurology, 2022, 13, 809343.	2.4	15
1449	Dynamic Sign Language Recognition Based on CBAM with Autoencoder Time Series Neural Network. Mobile Information Systems, 2022, 2022, 1-10.	0.6	1
1450	SE-BLTCNN: A channel attention adapted deep learning model based on PSSM for membrane protein classification. Computational Biology and Chemistry, 2022, 98, 107680.	2.3	5
1451	Real noise image adjustment networks for saliency-aware stylistic color retouch. Knowledge-Based Systems, 2022, 242, 108317.	7.1	6
1452	Semi-Supervised Adversarial Semantic Segmentation Network Using Transformer and Multiscale Convolution for High-Resolution Remote Sensing Imagery. Remote Sensing, 2022, 14, 1786.	4.0	11
1453	MSPENet: multi-scale adaptive fusion and position enhancement network for human pose estimation. Visual Computer, 2023, 39, 2005-2019.	3.5	3
1454	Offshore Oil Platform Detection in Polarimetric SAR Images Using Level Set Segmentation of Limited Initial Region and Convolutional Neural Network. Remote Sensing, 2022, 14, 1729.	4.0	6
1455	Weakly supervised attention-based models using activation maps for citrus mite and insect pest classification. Computers and Electronics in Agriculture, 2022, 195, 106839.	7.7	8
1456	UAV Imagery for Automatic Multi-Element Recognition and Detection of Road Traffic Elements. Aerospace, 2022, 9, 198.	2.2	8
1457	Scaling Up Sign Spotting Through Sign Language Dictionaries. International Journal of Computer Vision, 2022, 130, 1416-1439.	15.6	4
1458	Res-CapsNet: Residual Capsule Network for Data Classification. Neural Processing Letters, 2022, 54, 4229-4245.	3.2	5

#	ARTICLE	IF	CITATIONS
1459	Visual gait recognition based on convolutional block attention network. Multimedia Tools and Applications, 0, , 1.	3.9	0
1460	A model-driven network for guided image denoising. Information Fusion, 2022, 85, 60-71.	19.1	10
1461	CI-Net: a joint depth estimation and semantic segmentation network using contextual information. Applied Intelligence, 0, , 1.	5.3	4
1462	Cloud-edge orchestration-based bi-level autonomous process control for mass individualization of rapid printed circuit boards prototyping services. Journal of Manufacturing Systems, 2022, 63, 143-161.	13.9	40
1463	Self-attentional microvessel segmentation via squeeze-excitation transformer Unet. Computerized Medical Imaging and Graphics, 2022, 97, 102055.	5.8	15
1464	DilUnet: A U-net based architecture for blood vessels segmentation. Computer Methods and Programs in Biomedicine, 2022, 218, 106732.	4.7	15
1465	SADnet: Semi-supervised Single Image Dehazing Method Based on an Attention Mechanism. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-23.	4.3	9
1466	A deep learning model for incorporating temporal information in haze removal. Remote Sensing of Environment, 2022, 274, 113012.	11.0	12
1467	Designing efficient convolutional neural network structure: A survey. Neurocomputing, 2022, 489, 139-156.	5.9	5
1468	Relation-based global-partial feature learning network for video-based person re-identification. Neurocomputing, 2022, 488, 424-435.	5.9	11
1469	A multi-category intelligent method for the evaluation of visual comfort in underground space. Tunnelling and Underground Space Technology, 2022, 124, 104488.	6.2	7
1470	Learning feature-rich integrated comprehensive context networks for automated fundus retinal vessel analysis. Neurocomputing, 2022, 491, 132-143.	5.9	5
1471	DBGAN: A dual-branch generative adversarial network for undersampled MRI reconstruction. Magnetic Resonance Imaging, 2022, 89, 77-91.	1.8	8
1472	FCMNet: Frequency-aware cross-modality attention networks for RGB-D salient object detection. Neurocomputing, 2022, 491, 414-425.	5.9	14
1473	Scale-aware attention network for weakly supervised semantic segmentation. Neurocomputing, 2022, 492, 34-49.	5.9	4
1474	AUCO ResNet: an end-to-end network for Covid-19 pre-screening from cough and breath. Pattern Recognition, 2022, 127, 108656.	8.1	25
1475	Unabridged adjacent modulation for clothing parsing. Pattern Recognition, 2022, 127, 108594.	8.1	3
1476	Attention-based deep neural network for driver behavior recognition. Future Generation Computer Systems, 2022, 132, 152-161.	7.5	20

#	ARTICLE	IF	CITATIONS
1477	Blended fabric with integrated neural network based on attention mechanism qualitative identification method of near infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 276, 121214.	3.9	3
1478	A novel series arc fault detection method for photovoltaic system based on multi-input neural network. International Journal of Electrical Power and Energy Systems, 2022, 140, 108018.	5.5	16
1479	Missing wind speed data reconstruction with improved context encoder network. Energy Reports, 2022, 8, 3386-3394.	5.1	5
1480	HiT: Hierarchical Transformer with Momentum Contrast for Video-Text Retrieval. , 2021, , .		71
1481	An Efficient Point Cloud-based 3D Single Stage Object Detector. , 2021, , .		1
1482	Dual Attention Network for Heart Rate and Respiratory Rate Estimation. , 2021, , .		1
1483	Identifying environmental homologous complaint reports based on Siamese network. , 2021, , .		0
1484	Dynamic High-Pass Filtering and Multi-Spectral Attention for Image Super-Resolution. , 2021, 2021, 4268-4277.		30
1485	Online Multi-Granularity Distillation for GAN Compression. , 2021, , .		20
1486	A HEVC Video Steganography Algorithm Based on DCT/DST Coefficients with Improved VRCNN. , 2021, , .		0
1487	A Classroom Students Convergent Behavior Analysis System Based on Image Recognition. , 2021, , .		0
1488	Efficient Channel Attention U-Net For Mesh Crack Detection. , 2021, , .		2
1489	A Cascaded 3D Neural Network For Liver Tumor Segmentation. , 2021, , .		0
1490	Animal Migration Patterns Extraction Based on Atrous-Gated CNN Deep Learning Model. Remote Sensing, 2021, 13, 4998.	4.0	1
1491	Attention-Based DenseNet for Pneumonia Classification. Irbm, 2022, 43, 479-485.	5.6	11
1492	DR-IIXRN : Detection Algorithm of Diabetic Retinopathy Based on Deep Ensemble Learning and Attention Mechanism. Frontiers in Neuroinformatics, 2021, 15, 778552.	2.5	15
1493	Target Detection of Myrica rubra Based on Convolutional Neural Network and Transfer Learning. , 2021, , .		0
1494	A scSE-LinkNet Deep Learning Model for Daytime Sea Fog Detection. Remote Sensing, 2021, 13, 5163.	4.0	6

#	ARTICLE	IF	CITATIONS
1495	An Adversarial Learning Approach for Super-Resolution Enhancement Based on AgCl@Ag Nanoparticles in Scanning Electron Microscopy Images. <i>Nanomaterials</i> , 2021, 11, 3305.	4.1	4
1496	Wheel fault diagnosis model based on multichannel attention and supervised contrastive learning. <i>Advances in Mechanical Engineering</i> , 2021, 13, 168781402110670.	1.6	1
1497	Retinal Vessel Segmentation Algorithm Based on Residual Convolution Neural Network. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 786425.	4.1	11
1498	A Dual Attention Deep Neural Network For Maize Leaf Disease Recognition. , 2021, , .		0
1499	Research on time series classification based on convolutional neural network with attention mechanism. , 2021, , .		3
1500	Enhanced Bidirectional Propagation Network for Video Super-Resolution. , 2021, , .		0
1501	Citrus Huanglongbing Detection Based on Multi-Modal Feature Fusion Learning. <i>Frontiers in Plant Science</i> , 2021, 12, 809506.	3.6	10
1502	TransMixNet: An Attention Based Double-Branch Model for White Blood Cell Classification and Its Training with the Fuzzified Training Data. , 2021, , .		5
1503	A novel 1-D densely connected feature selection convolutional neural network for heart sounds classification. <i>Annals of Translational Medicine</i> , 2021, 9, 1752-1752.	1.7	3
1504	Garbage Sorting Front-end System Based on Deep Learning and Embedded Technology. , 2021, , .		0
1505	Cascaded Residual Attention Enhanced Road Extraction from Remote Sensing Images. <i>ISPRS International Journal of Geo-Information</i> , 2022, 11, 9.	2.9	25
1506	Kernel pooling feature representation of pre-trained convolutional neural networks for leaf recognition. <i>Multimedia Tools and Applications</i> , 2022, 81, 4255-4282.	3.9	3
1507	An Efficient Lightweight Neural Network for Remote Sensing Image Change Detection. <i>Remote Sensing</i> , 2021, 13, 5152.	4.0	13
1508	Red Tide Detection Method for HY-1D Coastal Zone Imager Based on U-Net Convolutional Neural Network. <i>Remote Sensing</i> , 2022, 14, 88.	4.0	9
1509	CiPSI and CiPSINet: a New Dataset and Network for Finding Cars in Panchromatic Satellite Images. , 2021, , .		1
1510	Attention Based GC-GhostNet for Forest Pests Detection. , 2021, , .		3
1511	MUFNet: Toward Semantic Segmentation of Multi-spectral Remote Sensing Images. , 2021, , .		0
1512	Local Feature Enhancement Network for Set-based Face Recognition. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
1513	By hybrid neural networks for prediction and interpretation of transcription factor binding sites based on multi-omics. , 2021, , .		4
1514	Adaptive Multi-receptive Field Spatial-Temporal Graph Convolutional Network for Traffic Forecasting. , 2021, , .		4
1515	SE-CapsNet: Automated evaluation of plant disease severity based on feature extraction through Squeeze and Excitation (SE) networks and Capsule networks. Kuwait Journal of Science, 2021, 49, .	0.6	4
1516	A Neural Network Model Compression Method for Pneumonia Image Classification. , 2021, , .		0
1517	Attentively Learning Edge Distributions for Semantic Segmentation of Remote Sensing Imagery. Remote Sensing, 2022, 14, 102.	4.0	15
1518	A novel ResNet101 model based on dense dilated convolution for image classification. SN Applied Sciences, 2022, 4, 1.	2.9	31
1519	EvoMBN: Evolving Multi-Branch Networks on Myocardial Infarction Diagnosis Using 12-Lead Electrocardiograms. Biosensors, 2022, 12, 15.	4.7	11
1520	Real-time detection network for tiny traffic sign using multi-scale attention module. Science China Technological Sciences, 2022, 65, 396-406.	4.0	15
1521	Monocular Depth Estimation Primed by Salient Point Detection and Normalized Hessian Loss. , 2021, , .		1
1522	A Fabric Defect Detection Method Based on Improved YOLOv5. , 2021, , .		19
1525	Facial Expression Recognition Method Based on Multi-scale Efficient Channel Attention Mechanism. , 2021, , .		1
1526	An Improved Target Detection General Framework Based on Yolov4. , 2021, , .		2
1527	Gender-specific Facial Age Group Classification Using Deep Learning. Intelligent Automation and Soft Computing, 2022, 34, 105-118.	2.1	4
1528	Visual Object Tracking via Cascaded RPN Fusion and Coordinate Attention. CMES - Computer Modeling in Engineering and Sciences, 2022, .	1.1	2
1529	Ultrasonic Thyroid Automatic Nodule Segmentation Method Based on SeVnet Network. SSRN Electronic Journal, 0, , .	0.4	2
1530	Adjacent Context Coordination Network for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Cybernetics, 2023, 53, 526-538.	9.5	47
1531	Gradient-Guided Attentional Network for Radio Transient Localization With the Cluster-Feed Telescope. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	1
1532	E2Style: Improve the Efficiency and Effectiveness of StyleGAN Inversion. IEEE Transactions on Image Processing, 2022, 31, 3267-3280.	9.8	24

#	ARTICLE	IF	CITATIONS
1533	Multi-Scale Attention-Based Deep Neural Network for Brain Disease Diagnosis. Computers, Materials and Continua, 2022, 72, 4645-4661.	1.9	3
1534	Spatiotemporal Co-Attention Hybrid Neural Network for Pedestrian Localization Based on 6D IMU. IEEE Transactions on Automation Science and Engineering, 2023, 20, 636-648.	5.2	4
1535	A Stable Lightweight and Adaptive Feature Enhanced Convolution Neural Network for Efficient Railway Transit Object Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 17952-17965.	8.0	12
1536	A Multiscale Feature Extraction Network Based on Channel-Spatial Attention for Electromyographic Signal Classification. IEEE Transactions on Cognitive and Developmental Systems, 2023, 15, 591-601.	3.8	7
1537	A Full-Level Context Squeeze-and-Excitation ROI Extractor for SAR Ship Instance Segmentation. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	24
1538	Gross Tumor Volume Segmentation for Stage III NSCLC Radiotherapy Using 3D ResSE-Unet. Technology in Cancer Research and Treatment, 2022, 21, 153303382210908.	1.9	7
1539	Angular Margin-Mining Softmax Loss for Face Recognition. IEEE Access, 2022, 10, 43071-43080.	4.2	1
1540	Saturated Reflection Detection for Reflection Removal Based on Convolutional Neural Network. IEEE Access, 2022, 10, 39800-39809.	4.2	0
1541	Leakage Detection and Identification of Power Plant Pipelines Based on Improved Faster RCNN. , 2022, , .		0
1542	Dense Face Network: A Dense Face Detector Based on Global Context and Visual Attention Mechanism. , 2022, 19, 247-256.		6
1543	Harmonic convolutional networks based on discrete cosine transform. Pattern Recognition, 2022, 129, 108707.	8.1	11
1544	Recent Advanced Deep Learning Architectures for Retinal Fluid Segmentation on Optical Coherence Tomography Images. Sensors, 2022, 22, 3055.	3.8	9
1545	TSRNet: Diagnosis of COVID-19 based on self-supervised learning and hybrid ensemble model. Computers in Biology and Medicine, 2022, 146, 105531.	7.0	4
1546	HFA-Net: High frequency attention siamese network for building change detection in VHR remote sensing images. Pattern Recognition, 2022, 129, 108717.	8.1	54
1547	Automated real-time detection of surface defects in manufacturing processes of aluminum alloy strip using a lightweight network architecture. Journal of Intelligent Manufacturing, 2023, 34, 2431-2447.	7.3	12
1548	Dimension Decoupling Attention Mechanism for Time Series Prediction. Neurocomputing, 2022, , .	5.9	3
1549	Focus on local: transmission line defect detection via feature refinement. Signal, Image and Video Processing, 2023, 17, 31-37.	2.7	2
1551	Fast identification model for coal and gangue based on the improved tiny YOLO v3. Journal of Real-Time Image Processing, 2022, 19, 687-701.	3.5	23

#	ARTICLE	IF	CITATIONS
1552	A Comprehensive Review of Recent Deep Learning Techniques for Human Activity Recognition. Computational Intelligence and Neuroscience, 2022, 2022, 1-17.	1.7	18
1553	MVGCNMDA: Multi-view Graph Augmentation Convolutional Network for Uncovering Disease-Related Microbes. Interdisciplinary Sciences, Computational Life Sciences, 2022, 14, 669-682.	3.6	9
1554	Online quality inspection of resistance spot welding for automotive production lines. Journal of Manufacturing Systems, 2022, 63, 354-369.	13.9	19
1555	Rice bacterial blight resistant cultivar selection based on visible/near-infrared spectrum and deep learning. Plant Methods, 2022, 18, 49.	4.3	15
1556	Combining feature importance and neighbor node interactions for cold start recommendation. Engineering Applications of Artificial Intelligence, 2022, 112, 104864.	8.1	7
1557	A Complete YOLO-Based Ship Detection Method for Thermal Infrared Remote Sensing Images under Complex Backgrounds. Remote Sensing, 2022, 14, 1534.	4.0	32
1560	Multi-scale organs image segmentation method improved by squeeze-and-attention based on partially supervised learning. International Journal of Computer Assisted Radiology and Surgery, 2022, , 1.	2.8	1
1561	Fast environmental sound classification based on resource adaptive convolutional neural network. Scientific Reports, 2022, 12, 6599.	3.3	8
1563	Spatio-temporal Model Combining VMD and AM for Wind Speed Prediction. Intelligent Automation and Soft Computing, 2022, 34, 1001-1016.	2.1	1
1564	Pansharpening via Triplet Attention Network With Information Interaction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3576-3588.	4.9	6
1565	Research on Silkworm Disease Detection in Real Conditions Based on Ca-Yolo V3. SSRN Electronic Journal, 0, , .	0.4	1
1566	A Bayesian Based Deep Unrolling Algorithm for Single-Photon Lidar Systems. IEEE Journal on Selected Topics in Signal Processing, 2022, 16, 762-774.	10.8	9
1567	Revisiting Modality-Specific Feature Compensation for Visible-Infrared Person Re-Identification. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7226-7240.	8.3	22
1568	Real-time Safety Helmet-wearing Detection Based on Improved YOLOv5. Computer Systems Science and Engineering, 2022, 43, 1219-1230.	2.4	5
1569	Using Keypoint Matching and Interactive Self Attention Network to Verify Retail POSMs. , 2022, , .		0
1570	Hierarchical CNN Classification of Hyperspectral Images Based on 3-D Attention Soft Augmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4217-4233.	4.9	3
1571	Lightweight Convolutional-iConformer for Sound Event Detection. IEEE Transactions on Artificial Intelligence, 2023, 4, 910-921.	4.7	2
1572	Rolling Bearing Fault Diagnosis Method Base on Periodic Sparse Attention and LSTM. IEEE Sensors Journal, 2022, 22, 12044-12053.	4.7	32

#	ARTICLE	IF	CITATIONS
1573	DualPRNet: Deep Shrinkage Dual Frame Network for Deep Unrolled Phase Retrieval. IEEE Signal Processing Letters, 2022, 29, 1177-1181.	3.6	6
1574	SA1D-CNN: A Separable and Attention Based Lightweight Sensor Fault Diagnosis Method for Solar Insecticidal Lamp Internet of Things. IEEE Open Journal of the Industrial Electronics Society, 2022, 3, 291-303.	6.8	7
1575	Bidirectional Matching Prototypical Network for Few-Shot Image Classification. IEEE Signal Processing Letters, 2022, 29, 982-986.	3.6	10
1576	ACRnet: Adaptive Cross-transfer Residual neural network for chest X-ray images discrimination of the cardiothoracic diseases. Mathematical Biosciences and Engineering, 2022, 19, 6841-6859.	1.9	0
1577	A Novel Block-wise Attention Method: Focus-and-Association Networks. , 2022, , .		0
1579	Contextual Squeeze-and-Excitation Mask R-CNN for SAR Ship Instance Segmentation. , 2022, , .		4
1580	Deep Learning for Real-Time Aerodynamic Evaluations of Arbitrary Vehicle Shapes. , 0, 15, .		8
1581	Insights on Mini-Batch Alignment for WiFi-CSI Data Domain Factor Independent Feature Extraction. , 2022, , .		2
1582	A Novel Multi-task Learning Method with Attention Mechanism for Wind Turbine Blades Imbalance Fault Diagnosis. , 2022, , .		3
1583	Image Quality Control in Lumbar Spine Radiography Using Enhanced U-Net Neural Networks. Frontiers in Public Health, 2022, 10, 891766.	2.7	0
1584	EAODâ€Net: Effective anomaly object detection networks for X-ray images. IET Image Processing, 2022, 16, 2638-2651.	2.5	12
1585	A study on several critical problems on arrhythmia detection using varying-dimensional electrocardiography. Physiological Measurement, 2022, 43, 064007.	2.1	6
1586	MR-FPN: Multi-Level Residual Feature Pyramid Text Detection Network Based on Self-Attention Environment. Sensors, 2022, 22, 3337.	3.8	3
1587	Object Detection Related to Irregular Behaviors of Substation Personnel Based on Improved YOLOv4. Applied Sciences (Switzerland), 2022, 12, 4301.	2.5	3
1588	FECTS: A Facial Emotion Cognition and Training System for Chinese Children with Autism Spectrum Disorder. Computational Intelligence and Neuroscience, 2022, 2022, 1-21.	1.7	5
1589	SEALNET: Facial recognition software for ecological studies of harbor seals. Ecology and Evolution, 2022, 12, e8851.	1.9	7
1590	Efficient Open-Set Recognition for Interference Signals Based on Convolutional Prototype Learning. Applied Sciences (Switzerland), 2022, 12, 4380.	2.5	1
1591	MobileYOLO: Real-Time Object Detection Algorithm in Autonomous Driving Scenarios. Sensors, 2022, 22, 3349.	3.8	11

#	ARTICLE	IF	CITATIONS
1592	A Self-Attentive Hybrid Coding Network for 3D Change Detection in High-Resolution Optical Stereo Images. Remote Sensing, 2022, 14, 2046.	4.0	5
1593	A Lightweight Attention-Based Network towards Distracted Driving Behavior Recognition. Applied Sciences (Switzerland), 2022, 12, 4191.	2.5	3
1594	Fault Recognition Method Based on Attention Mechanism and the 3D-UNet. Computational Intelligence and Neuroscience, 2022, 2022, 1-12.	1.7	1
1595	An Improved Schema of Brain-computer Interface Based on Motor Imagery with Eye Movement. Journal of Physics: Conference Series, 2022, 2219, 012057.	0.4	2
1596	An Efficient Lightweight SAR Ship Target Detection Network with Improved Regression Loss Function and Enhanced Feature Information Expression. Sensors, 2022, 22, 3447.	3.8	6
1597	Semi-Supervised Classification for Intra-Pulse Modulation of Radar Emitter Signals Using Convolutional Neural Network. Remote Sensing, 2022, 14, 2059.	4.0	5
1598	Automatic pixel-level crack detection and evaluation of concrete structures using deep learning. Structural Control and Health Monitoring, 2022, 29, .	4.0	31
1599	Attention-guided black-box adversarial attacks with large-scale multiobjective evolutionary optimization. International Journal of Intelligent Systems, 2022, 37, 7526-7547.	5.7	4
1600	Automatic Assessment of Depression and Anxiety through Encoding Pupil-wave from HCI in VR Scenes. ACM Transactions on Multimedia Computing, Communications and Applications, 2024, 20, 1-22.	4.3	28
1601	Computational Acceleration of Topology Optimization Using Parallel Computing and Machine Learning Methods – Analysis of Research Trends. Journal of Industrial Information Integration, 2022, 28, 100352.	6.4	4
1602	A Novel Image Recognition Method Based on DenseNet and DPRN. Applied Sciences (Switzerland), 2022, 12, 4232.	2.5	6
1603	Driver vigilance detection for high-speed rail using fusion of multiple physiological signals and deep learning. Applied Soft Computing Journal, 2022, 123, 108982.	7.2	10
1604	Sequential Hierarchical Learning with Distribution Transformation for Image Super-Resolution. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-21.	4.3	3
1605	Comparison of Residual and Dense Neural Network Approaches for Building Extraction from High-Resolution Aerial Images. Advances in Space Research, 2022, , .	2.6	2
1606	1D-DRSETL: a novel unsupervised transfer learning method for cross-condition fault diagnosis of rolling bearing. Measurement Science and Technology, 2022, 33, 085110.	2.6	6
1607	Statistical Pyramid Dense Time Delay Neural Network for Speaker Verification. , 2022, , .		4
1608	MEA-Net: multilayer edge attention network for medical image segmentation. Scientific Reports, 2022, 12, 7868.	3.3	7
1609	Balanced and Accurate Pseudo-Labels for Semi-Supervised Image Classification. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-18.	4.3	2

#	ARTICLE	IF	CITATIONS
1610	Robust Speaker Verification with Joint Self-Supervised and Supervised Learning. , 2022, , .		0
1611	A more compact object detector head network with feature enhancement and relational reasoning. Neurocomputing, 2022, 499, 23-34.	5.9	11
1612	RCANet: Row-Column Attention Network for Semantic Segmentation. , 2022, , .		1
1613	CDX-NET: Cross-Domain Multi-Feature Fusion Modeling Via Deep Neural Networks for Multivariate Time Series Forecasting in AIOps. , 2022, , .		1
1614	Two-Path GMM-ResNet and GMM-SENet for ASV Spoofing Detection. , 2022, , .		3
1615	Deep Learning for Radiographic Measurement of Femoral Component Subsidence Following Total Hip Arthroplasty. Radiology: Artificial Intelligence, 2022, 4, .	5.8	9
1616	PolypÂsegmentation network with hybrid channel-spatial attention and pyramid global context guided feature fusion. Computerized Medical Imaging and Graphics, 2022, 98, 102072.	5.8	5
1617	Rolling Bearing Fault Diagnosis Based on Time-Frequency Compression Fusion and Residual Time-Frequency Mixed Attention Network. Applied Sciences (Switzerland), 2022, 12, 4831.	2.5	3
1618	A spectral grouping-based deep learning model for haze removal of hyperspectral images. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 188, 177-189.	11.1	15
1619	MRCON-Net: Multiscale reweighted convolutional coding neural network for low-dose CT imaging. Computer Methods and Programs in Biomedicine, 2022, 221, 106851.	4.7	6
1620	A deep learning-based precision and automatic kidney segmentation system using efficient feature pyramid networks in computed tomography images. Computer Methods and Programs in Biomedicine, 2022, 221, 106854.	4.7	15
1621	Light weight object detector based on composite attention residual network and boundary location loss. Neurocomputing, 2022, 494, 132-147.	5.9	2
1622	MIA-Net: Multi-information aggregation network combining transformers and convolutional feature learning for polyp segmentation. Knowledge-Based Systems, 2022, 247, 108824.	7.1	16
1623	Multi-classification of arrhythmias using ResNet with CBAM on CWGAN-GP augmented ECG Gramian Angular Summation Field. Biomedical Signal Processing and Control, 2022, 77, 103684.	5.7	13
1624	A Time Series Transformer based method for the rotating machinery fault diagnosis. Neurocomputing, 2022, 494, 379-395.	5.9	51
1625	Real-time semantic segmentation with local spatial pixel adjustment. Image and Vision Computing, 2022, 123, 104470.	4.5	9
1626	Orthogonal channel attention-based multi-task learning for multi-view facial expression recognition. Pattern Recognition, 2022, 129, 108753.	8.1	17
1627	DCML: Deep contrastive mutual learning for COVID-19 recognition. Biomedical Signal Processing and Control, 2022, 77, 103770.	5.7	13

#	ARTICLE	IF	CITATIONS
1628	HAM: Hybrid attention module in deep convolutional neural networks for image classification. Pattern Recognition, 2022, 129, 108785.	8.1	29
1629	ATKey.Net: Keypoint Detection by Handcrafted and Learned CNN with Attention. , 2021, , .		0
1630	Pedestrian Graph +: A Fast Pedestrian Crossing Prediction Model Based on Graph Convolutional Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21050-21061.	8.0	12
1631	Transformer-Based Anchor-Free Detection of Concealed Objects in Passive Millimeter Wave Images. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-16.	4.7	9
1632	A High-Precision Classification Method of Mammary Cancer Based on Improved DenseNet Driven by an Attention Mechanism. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-14.	1.3	0
1633	PyraPVConv: Efficient 3D Point Cloud Perception with Pyramid Voxel Convolution and Sharable Attention. Computational Intelligence and Neuroscience, 2022, 2022, 1-9.	1.7	6
1634	Split-merge-excitation: a robust channel-wise feature attention mechanism applied to MDNet tracking. Multimedia Tools and Applications, 2022, 81, 40737-40754.	3.9	1
1635	Deformable image registration with attention-guided fusion of multi-scale deformation fields. Applied Intelligence, 2023, 53, 2936-2950.	5.3	4
1636	A Method Based on Multi-Network Feature Fusion and Random Forest for Foreign Objects Detection on Transmission Lines. Applied Sciences (Switzerland), 2022, 12, 4982.	2.5	8
1637	Pneumothorax Recognition Neural Network Based on Feature Fusion of Frontal and Lateral Chest X-Ray Images. IEEE Access, 2022, 10, 53175-53187.	4.2	2
1638	SPANet: Successive Pooling Attention Network for Semantic Segmentation of Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4045-4057.	4.9	41
1639	Deep Learning-Based Object Detection Techniques for Remote Sensing Images: A Survey. Remote Sensing, 2022, 14, 2385.	4.0	43
1640	HTC+ for SAR Ship Instance Segmentation. Remote Sensing, 2022, 14, 2395.	4.0	33
1641	Pattern Classification for Ovarian Tumors by Integration of Radiomics and Deep Learning Features. Current Medical Imaging, 2022, 18, 1486-1502.	0.8	3
1642	Segmentation and quantitative evaluation for tool wear condition via an improved SE-U-Net. International Journal of Advanced Manufacturing Technology, 0, , .	3.0	5
1643	Tri-Branch Convolutional Neural Networks for Top-k Focused Academic Performance Prediction. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 439-450.	11.3	2
1644	Cardiac Segmentation Method Based on Domain Knowledge. Ultrasonic Imaging, 2022, 44, 105-117.	2.6	1
1646	A Survey on the Applications of Image Classification Based on Convolution Neural Network. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
1647	Bimodal Feature Propagation and Fusion for Real-time Semantic Segmentation on RGB-D Images. , 2022, , .		0
1648	Iris segmentation method based on improved UNet++. Multimedia Tools and Applications, 2022, 81, 41249-41269.	3.9	7
1649	Face anti-spoofing via conditional adversarial domain generalization. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 16499-16512.	4.9	2
1650	Video-based action recognition using spurious 3D residual attention networks. IET Image Processing, 2022, 16, 3097-3111.	2.5	7
1651	A lightweight deep learning model for automatic segmentation and analysis of ophthalmic images. Scientific Reports, 2022, 12, .	3.3	6
1652	Gradient-supervised person re-identification based on dense feature pyramid network. Complex & Intelligent Systems, 2022, 8, 5329-5342.	6.5	3
1653	3D Skeleton and Two Streams Approach to Person Re-identification Using Optimized Region Matching. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-17.	4.3	1
1654	TP-DDI: A Two-Pathway Deep Neural Network for Drug-Drug Interaction Prediction. Interdisciplinary Sciences, Computational Life Sciences, 2022, 14, 895-905.	3.6	3
1655	Tunnel lining water leakage image Segmentation based on improved BlendMask. Structural Health Monitoring, 2023, 22, 865-878.	7.5	4
1656	Real-time surgical tool detection in computer-aided surgery based on enhanced feature-fusion convolutional neural network. Journal of Computational Design and Engineering, 2022, 9, 1123-1134.	3.1	5
1657	KIEGLFN: A unified acne grading framework on face images. Computer Methods and Programs in Biomedicine, 2022, 221, 106911.	4.7	13
1658	A novel method for 3D knee anatomical landmark localization by combining global and local features. Machine Vision and Applications, 2022, 33, .	2.7	1
1659	Nailfold Microhemorrhage Segmentation with Modified U-Shape Convolutional Neural Network. Applied Sciences (Switzerland), 2022, 12, 5068.	2.5	2
1660	Mammographic mass recognition using feature reuse and channel attention mechanism. International Journal of Imaging Systems and Technology, 0, , .	4.1	0
1661	3D convolutional neural networks with hybrid attention mechanism for early diagnosis of Alzheimer's disease. Biomedical Signal Processing and Control, 2022, 77, 103828.	5.7	12
1662	Trend attention fully convolutional network for remaining useful life estimation. Reliability Engineering and System Safety, 2022, 225, 108590.	8.9	30
1665	Rotation-Invariant Attention Network for Hyperspectral Image Classification. IEEE Transactions on Image Processing, 2022, 31, 4251-4265.	9.8	80
1666	3D Convolutional Neural Networks with Hybrid Attention Mechanism for Early Diagnosis of Alzheimer's Disease. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1667	A Shallow-to-Deep Feature Fusion Network for VHR Remote Sensing Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	17
1668	Joint Wavelet Sub-Bands Guided Network for Single Image Super-Resolution. IEEE Transactions on Multimedia, 2023, 25, 4623-4637.	7.2	5
1669	An Improved Lightweight RetinaNet for Ship Detection in SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4667-4679.	4.9	21
1670	Liver tumor segmentation and classification using FLAS-UNet++ and an improved DenseNet. Technology and Health Care, 2022, 30, 1475-1487.	1.2	4
1671	Application of Multi-Scale Fusion Attention U-Net to Segment the Thyroid Gland on Localized Computed Tomography Images for Radiotherapy. Frontiers in Oncology, 0, 12, .	2.8	3
1672	scSE-NL V-Net: A Brain Tumor Automatic Segmentation Method Based on Spatial and Channel "Squeeze-and-Excitation" Network With Non-local Block. Frontiers in Neuroscience, 2022, 16, .	2.8	8
1673	Colposcopic multimodal fusion for the classification of cervical lesions. Physics in Medicine and Biology, 2022, 67, 135003.	3.0	4
1674	Improved YOLOv5 network method for remote sensing image-based ground objects recognition. Soft Computing, 2022, 26, 10879-10889.	3.6	23
1675	DeepDRiD: Diabetic Retinopathy"Grading and Image Quality Estimation Challenge. Patterns, 2022, 3, 100512.	5.9	58
1676	Grouping Bilinear Pooling for Fine-Grained Image Classification. Applied Sciences (Switzerland), 2022, 12, 5063.	2.5	4
1677	An Attention Mechanism-based Relation Network for Few-Shot Image Classification. , 2022, , .		0
1678	Exploring the Impact of Built Environment Attributes on Social Followings Using Social Media Data and Deep Learning. ISPRS International Journal of Geo-Information, 2022, 11, 325.	2.9	4
1679	Neighbour feature attention-based pooling. Neurocomputing, 2022, 501, 285-293.	5.9	2
1680	Widen the Applicability of a Convolutional Neural-Network-Assisted Glaucoma Detection Algorithm of Limited Training Images across Different Datasets. Biomedicines, 2022, 10, 1314.	3.2	5
1681	A convolution neural network with multi-level convolutional and attention learning for classification of cancer grades and tissue structures in colon histopathological images. Computers in Biology and Medicine, 2022, 147, 105680.	7.0	17
1682	Deep spatio-temporal 3D densenet with multiscale ConvLSTM-Resnet network for citywide traffic flow forecasting. Knowledge-Based Systems, 2022, 250, 109054.	7.1	18
1683	Global contextual residual convolutional neural networks for motor fault diagnosis under variable-speed conditions. Reliability Engineering and System Safety, 2022, 225, 108618.	8.9	42
1688	Research on Cross-Camera Person Re-Identification Using Overlapping Field of View. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
1689	Fast CU Partition for VVC Using Texture Complexity Classification Convolutional Neural Network. Computers, Materials and Continua, 2022, 73, 3545-3556.	1.9	0
1690	Interactformer: Interactive Transformer and CNN for Hyperspectral Image Super-Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	24
1691	Real-Time and Cost-Effective Smart Mat System Based on Frequency Channel Selection for Sleep Posture Recognition in IoMT. IEEE Internet of Things Journal, 2022, 9, 21421-21431.	8.7	3
1692	EfficientTDNN: Efficient Architecture Search for Speaker Recognition. IEEE/ACM Transactions on Audio Speech and Language Processing, 2022, 30, 2267-2279.	5.8	5
1693	A Novel System and Experimental Study for 3D Finger Multibiometrics. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2022, 4, 471-485.	4.4	5
1694	Aircraft Signal Feature Extraction and Recognition Based on Deep Learning. IEEE Transactions on Vehicular Technology, 2022, 71, 9625-9634.	6.3	2
1695	A Joint Siamese Attention-Aware Network for Vehicle Object Tracking in Satellite Videos. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	9
1696	Precise and Fast Segmentation of Offshore Farms in High-Resolution SAR Images Based on Model Fusion and Half-Precision Parallel Inference. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 4861-4872.	4.9	3
1697	Tunnel Crack Detection With Linear Seam Based on Mixed Attention and Multiscale Feature Fusion. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	11
1698	Intelligent-BCD: A Novel Knowledge-Transfer Building Change Detection Framework for High-Resolution Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5065-5075.	4.9	6
1699	Salient Object Detection via Integrity Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-1.	13.9	64
1700	MicroCrack-Net: A Deep Neural Network With Outline Profile-Guided Feature Augmentation and Attention-Based Multiscale Fusion for MicroCrack Detection of Tantalum Capacitors. IEEE Transactions on Aerospace and Electronic Systems, 2022, 58, 5141-5152.	4.7	9
1702	Multibranch Feature Fusion Network With Self- and Cross-Guided Attention for Hyperspectral and LiDAR Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	20
1703	Multi-Scale One-Dimensional Convolution Tool Wear Monitoring Based on Multi-Model Fusion Learning Skills. SSRN Electronic Journal, 0, , .	0.4	0
1704	Power Transformations and Feature Alignment Guided Network for SAR Ship Detection. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	8
1705	Enhancing Variational Generation Through Self-Decomposition. IEEE Access, 2022, 10, 67510-67520.	4.2	2
1706	Attention-Guided Feature Extraction and Multiscale Feature Fusion 3D ResNet for Automated Pulmonary Nodule Detection. IEEE Access, 2022, 10, 61530-61543.	4.2	4
1707	Multimodal Fusion Convolutional Neural Network With Cross-Attention Mechanism for Internal Defect Detection of Magnetic Tile. IEEE Access, 2022, 10, 60876-60886.	4.2	55

#	ARTICLE	IF	CITATIONS
1708	Three-Fingers FBG Tactile Sensing System Based on Squeeze-and-Excitation LSTM for Object Classification. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	8
1709	EDR-Net: Lightweight Deep Neural Network Architecture for Detecting Referable Diabetic Retinopathy. IEEE Transactions on Biomedical Circuits and Systems, 2022, 16, 467-478.	4.0	10
1710	Blurred Image Restoration Conditional Generative Adversarial Network Based on Attention Mechanism. SSRN Electronic Journal, 0, , .	0.4	0
1711	A Photovoltaic System Fault Identification Method Based on Improved Deep Residual Shrinkage Networks. Energies, 2022, 15, 3961.	3.1	7
1712	Brain Tumor Classification Based on Attention Guided Deep Learning Model. International Journal of Computational Intelligence Systems, 2022, 15, .	2.7	10
1713	ChA-DenseUNet: Channel Attention DenseUNet for Polyp Segmentation. , 2022, , .		1
1714	Image classification of forage grasses on Etuoke Banner using edge autoencoder network. PLoS ONE, 2022, 17, e0259783.	2.5	2
1715	Construction of a Semantic Segmentation Network for the Overhead Catenary System Point Cloud Based on Multi-Scale Feature Fusion. Remote Sensing, 2022, 14, 2768.	4.0	7
1716	Deep learning detects invasive plant species across complex landscapes using Worldviewâ€2 and PlanetScope satellite imagery. Remote Sensing in Ecology and Conservation, 2022, 8, 875-889.	4.3	12
1717	An end-to-end laser-induced damage change detection approach for optical elements via siamese network and multi-layer perceptrons. Optics Express, 2022, 30, 24084.	3.4	1
1718	DeNovoCNN: a deep learning approach to <i>de novo</i> variant calling in next generation sequencing data. Nucleic Acids Research, 2022, 50, e97-e97.	14.5	8
1719	Temporal convolution network with a dual attention mechanism for Ĩt-OTDR event classification. Applied Optics, 2022, 61, 5951.	1.8	7
1720	Recognition and Classification of Ship Images Based on SMS-PCNN Model. Frontiers in Neurorobotics, 0, 16, .	2.8	5
1721	A Multi-Resolution Front-End for End-to-End Speech Anti-Spoofing. , 0, , .		0
1722	Evaluation of Online Teaching Quality Based on Facial Expression Recognition. Future Internet, 2022, 14, 177.	3.8	9
1723	An antagonistic training algorithm for TFT-LCD module mura defect detection. Signal Processing: Image Communication, 2022, 107, 116791.	3.2	7
1724	Multiple Biological Granularities Network for Person Re-Identification. , 2022, , .		0
1725	Reinforced domain adaptation with attention and adversarial learning for unsupervised person Re-ID. Applied Intelligence, 2023, 53, 4109-4123.	5.3	3

#	ARTICLE	IF	CITATIONS
1726	A cascaded spatiotemporal attention network for dynamic facial expression recognition. Applied Intelligence, 0, , .	5.3	0
1727	A Lightweight Network for Point Cloud Analysis via the Fusion of Local Features and Distribution Characteristics. Sensors, 2022, 22, 4742.	3.8	1
1728	CAP-YOLO: Channel Attention Based Pruning YOLO for Coal Mine Real-Time Intelligent Monitoring. Sensors, 2022, 22, 4331.	3.8	10
1729	Multi-Label Fundus Image Classification Using Attention Mechanisms and Feature Fusion. Micromachines, 2022, 13, 947.	2.9	9
1730	Multi-relational graph attention networks for knowledge graph completion. Knowledge-Based Systems, 2022, 251, 109262.	7.1	24
1731	CDTNet: Improved Image Classification Method Using Standard, Dilated and Transposed Convolutions. Applied Sciences (Switzerland), 2022, 12, 5984.	2.5	6
1732	Classification of multi-lead ECG with deep residual convolutional neural networks. Physiological Measurement, 2022, 43, 074003.	2.1	6
1734	One-Shot Retail Product Identification Based on Improved Siamese Neural Networks. Circuits, Systems, and Signal Processing, 2022, 41, 6098-6112.	2.0	2
1735	Automatic Artifact Detection Algorithm in Fetal MRI. Frontiers in Artificial Intelligence, 0, 5, .	3.4	1
1736	An improved spatial temporal graph convolutional network for robust skeleton-based action recognition. Applied Intelligence, 2023, 53, 4592-4608.	5.3	7
1737	Artifact-Assisted multi-level and multi-scale feature fusion attention network for low-dose CT denoising. Journal of X-Ray Science and Technology, 2022, 30, 875-889.	1.0	3
1738	Design and control of intelligent bionic artificial hand based on image recognition. Technology and Health Care, 2022, , 1-15.	1.2	0
1739	Convolutional Shrinkage Neural Networks Based Model-Agnostic Meta-Learning for Few-Shot Learning. Neural Processing Letters, 2023, 55, 505-518.	3.2	6
1740	Underwater scallop recognition algorithm using improved YOLOv5. Aquacultural Engineering, 2022, 98, 102273.	3.1	17
1741	Dual attention-guided and learnable spatial transformation data augmentation multi-modal unsupervised medical image segmentation. Biomedical Signal Processing and Control, 2022, 78, 103849.	5.7	6
1742	A novel visual guidance framework for robotic welding based on binocular cooperation. Robotics and Computer-Integrated Manufacturing, 2022, 78, 102393.	9.9	10
1743	MS-SSPCANet: A powerful deep learning framework for tool wear prediction. Robotics and Computer-Integrated Manufacturing, 2022, 78, 102391.	9.9	28
1746	Design and Implementation of Intelligent Electronic Police System. Software Engineering and Applications, 2022, 11, 667-678.	0.1	0

#	ARTICLE	IF	CITATIONS
1747	Multitask Touch Gesture and Emotion Recognition Using Multiscale Spatiotemporal Convolutions With Attention Mechanism. IEEE Sensors Journal, 2022, 22, 16190-16201.	4.7	6
1748	MHANet: A Multiscale Hierarchical Pansharpening Method With Adaptive Optimization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	2
1749	The Method for Micro Expression Recognition Based on Improved Light-Weight CNN. Lecture Notes in Electrical Engineering, 2022, , 760-768.	0.4	1
1750	Vision-Based Fruit Recognition Via Multi-Scale Attention Cnn. SSRN Electronic Journal, 0, , .	0.4	0
1751	HCRB-MSAN: Horizontally Connected Residual Blocks-Based Multiscale Attention Network for Semantic Segmentation of Buildings in HSR Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5534-5544.	4.9	5
1753	Semantic Segmentation of Plant Leaves Based on Generative Adversarial Network and Attention Mechanism. IEEE Access, 2022, 10, 76310-76317.	4.2	1
1754	Generative Memory-Guided Semantic Reasoning Model for Image Inpainting. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7432-7447.	8.3	8
1755	A Detection Method for Pavement Cracks Combining Object Detection and Attention Mechanism. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22179-22189.	8.0	19
1756	Research on Lightweight Mask Detection Algorithm Based on YOLOv3. Computer Science and Application, 2022, 12, 1700-1709.	0.1	0
1759	Recognition of complex surfaces based on multiscale temporal networks. , 2022, , .		0
1760	A2DIO: Attention-Driven Deep Inertial Odometry for Pedestrian Localization based on 6D IMU. , 2022, , .		4
1761	Hybridized Yolov4 for Detecting and Counting People in Congested Crowds. , 2022, , .		2
1762	DKNAS: A Practical Deep Keypoint Extraction Framework Based on Neural Architecture Search. , 2022, , .		0
1763	Fast Road Segmentation via Uncertainty-aware Symmetric Network. , 2022, , .		11
1764	Small object detection in remote sensing images based on attention mechanism and multi-scale feature fusion. International Journal of Remote Sensing, 2022, 43, 3280-3297.	2.9	9
1765	Active Boundary Loss for Semantic Segmentation. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 2397-2405.	4.9	14
1766	Scaled ReLU Matters for Training Vision Transformers. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 2495-2503.	4.9	9
1767	Landslide Recognition in High Resolution Remote Sensing Images Based on Semantic Segmentation. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
1768	Convolutional block attention module U-Net: a method to improve attention mechanism and U-Net for remote sensing images. Journal of Applied Remote Sensing, 2022, 16, .	1.3	6
1769	SVT-Net: Super Light-Weight Sparse Voxel Transformer for Large Scale Place Recognition. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 551-560.	4.9	23
1770	Intra-Inter Subject Self-Supervised Learning for Multivariate Cardiac Signals. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 4532-4540.	4.9	15
1771	Semi-supervised breast histopathological image classification with self-training based on non-linear distance metric. IET Image Processing, 0, , .	2.5	3
1772	MobileTrack: Siamese efficient mobile network for high-speed UAV tracking. IET Image Processing, 2022, 16, 3300-3313.	2.5	4
1773	Convolutional Neural Network Compression through Generalized Kronecker Product Decomposition. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 771-779.	4.9	6
1774	A Novel Deep Convolutional Neural Network Model for Alzheimer's Disease Classification Using Brain MRI. Automatic Control and Computer Sciences, 2022, 56, 261-271.	0.8	6
1775	Computation and memory optimized spectral domain convolutional neural network for throughput and energy-efficient inference. Applied Intelligence, 0, , .	5.3	0
1776	ASI-DBNet: An Adaptive Sparse Interactive ResNet-Vision Transformer Dual-Branch Network for the Grading of Brain Cancer Histopathological Images. Interdisciplinary Sciences, Computational Life Sciences, 0, , .	3.6	4
1777	Educational Behaviour Analysis Using Convolutional Neural Network and Particle Swarm Optimization Algorithm. Advances in Multimedia, 2022, 2022, 1-10.	0.4	3
1778	Neural architecture search for pneumonia diagnosis from chest X-rays. Scientific Reports, 2022, 12, .	3.3	12
1779	Temporal grafter network: Rethinking LSTM for effective video recognition. Neurocomputing, 2022, 505, 276-288.	5.9	2
1780	A Deep Learning System to Transform Cross-Section Spectra to Varying Environmental Conditions. Vibrational Spectroscopy, 2022, , 103410.	2.2	1
1781	Surface Defect Detection Model for Aero-Engine Components Based on Improved YOLOv5. Applied Sciences (Switzerland), 2022, 12, 7235.	2.5	24
1782	Research on Computer-Aided Diagnosis Method Based on Symptom Filtering and Weighted Network. Entropy, 2022, 24, 931.	2.2	0
1783	Automated segmentation of diabetic macular edema in OCT B-scan images based on RCU-Net. International Journal of Imaging Systems and Technology, 2023, 33, 299-311.	4.1	2
1784	Accurate classification of white blood cells by coupling pre-trained ResNet and DenseNet with SCAM mechanism. BMC Bioinformatics, 2022, 23, .	2.6	20
1785	Research on the magnetic resonance imaging brain tumor segmentation algorithm based on <sc>DO-UNet</sc>. International Journal of Imaging Systems and Technology, 0, , .	4.1	1

#	ARTICLE	IF	CITATIONS
1786	EEG Emotion Classification Network Based on Attention Fusion of Multi-Channel Band Features. Sensors, 2022, 22, 5252.	3.8	7
1787	Face Mask-Wearing Detection Model Based on Loss Function and Attention Mechanism. Computational Intelligence and Neuroscience, 2022, 2022, 1-10.	1.7	3
1788	Multi-branch detection network based on trigger attention for pedestrian detection under occlusion. Applied Intelligence, 2023, 53, 6119-6132.	5.3	1
1789	A survey of sound source localization with deep learning methods. Journal of the Acoustical Society of America, 2022, 152, 107-151.	1.1	93
1790	A comprehensive review on deep learning based remote sensing image super-resolution methods. Earth-Science Reviews, 2022, 232, 104110.	9.1	96
1791	Deep learning in cortical surface-based neuroimage analysis: a systematic review. Intelligent Medicine, 2023, 3, 46-58.	3.1	5
1792	Fusion network based on the dual attention mechanism and atrous spatial pyramid pooling for automatic segmentation in retinal vessel images. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2022, 39, 1393.	1.5	2
1793	Underwater trash detection algorithm based on improved YOLOv5s. Journal of Real-Time Image Processing, 2022, 19, 911-920.	3.5	12
1794	Dehazing algorithm for unmanned surface vessel based on GAN-U-Net++ network. Journal of Electronic Imaging, 2022, 31, .	0.9	1
1795	Predicting RNA solvent accessibility from multi-scale context feature via multi-shot neural network. Analytical Biochemistry, 2022, 654, 114802.	2.4	3
1796	Multiscale unsupervised domain adaptation for automatic pancreas segmentation in CT volumes using adversarial learning. Medical Physics, 2022, 49, 5799-5818.	3.0	2
1797	A Dual-input Fault Diagnosis Model Based on SE-MSCNN for Analog Circuits. Applied Intelligence, 0, , .	5.3	1
1798	A New Pulmonary Nodule Detection Based on Multiscale Convolutional Neural Network with Channel and Attention Mechanism. Lecture Notes in Electrical Engineering, 2023, , 1004-1010.	0.4	1
1799	Flow completion network: Inferring the fluid dynamics from incomplete flow information using graph neural networks. Physics of Fluids, 2022, 34, .	4.0	10
1800	A Recognition Method of Bactrocera minax (Diptera: Tephritidae) Grooming Behavior via a Multi-Object Tracking and Spatio-Temporal Feature Detection Model. Journal of Insect Behavior, 2022, 35, 67-81.	0.7	7
1801	Development of a deep learning-based nomogram for predicting lymph node metastasis in cervical cancer: A multicenter study. Clinical and Translational Medicine, 2022, 12, .	4.0	5
1802	Attention mechanism in intelligent fault diagnosis of machinery: A review of technique and application. Measurement: Journal of the International Measurement Confederation, 2022, 199, 111594.	5.0	62
1803	Pigeon cleaning behavior detection algorithm based on light-weight network. Computers and Electronics in Agriculture, 2022, 199, 107032.	7.7	9

#	ARTICLE	IF	CITATIONS
1804	Root cause diagnosis in multivariate time series based on modified temporal convolution and multi-head self-attention. Journal of Process Control, 2022, 117, 14-25.	3.3	6
1805	Attention-based anomaly detection in multi-view surveillance videos. Knowledge-Based Systems, 2022, 252, 109348.	7.1	17
1806	Cov-Net: A computer-aided diagnosis method for recognizing COVID-19 from chest X-ray images via machine vision. Expert Systems With Applications, 2022, 207, 118029.	7.6	78
1809	Rotating machinery faults detection method based on deep echo state network. Applied Soft Computing Journal, 2022, 127, 109335.	7.2	3
1810	DS-MENet for the classification of citrus disease. Frontiers in Plant Science, 0, 13, .	3.6	2
1811	AFFPN: Attention Fusion Feature Pyramid Network for Small Infrared Target Detection. Remote Sensing, 2022, 14, 3412.	4.0	23
1812	The Improved Deeplabv3plus Based Fast Lane Detection Method. Actuators, 2022, 11, 197.	2.3	0
1813	Fast vehicle detection algorithm in traffic scene based on improved SSD. Measurement: Journal of the International Measurement Confederation, 2022, 201, 111655.	5.0	40
1814	Multiscale convolutional neural network for no-reference image quality assessment with saliency detection. Multimedia Tools and Applications, 2022, 81, 42607-42619.	3.9	1
1815	A sample-proxy dual triplet loss function for object re-identification. IET Image Processing, 2022, 16, 3781-3789.	2.5	2
1816	DFAEN: Double-order knowledge fusion and attentional encoding network for texture recognition. Expert Systems With Applications, 2022, 209, 118223.	7.6	7
1817	Prediction of protein secondary structure based on an improved channel attention and multiscale convolution module. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	5
1818	Pest Region Detection in Complex Backgrounds via Contextual Information and Multi-Scale Mixed Attention Mechanism. Agriculture (Switzerland), 2022, 12, 1104.	3.1	6
1819	A review on AI-based medical image computing in head and neck surgery. Physics in Medicine and Biology, 2022, 67, 17TR01.	3.0	9
1820	Swin-MFINet: Swin transformer based multi-feature integration network for detection of pixel-level surface defects. Expert Systems With Applications, 2022, 209, 118269.	7.6	23
1821	Attention-based Frequency-aware Multi-scale Network for Sequential Recommendation. Applied Soft Computing Journal, 2022, 127, 109349.	7.2	9
1822	Handwritten Chemical Equations Recognition Based on Lightweight Networks. Lecture Notes in Computer Science, 2022, , 317-329.	1.3	0
1823	Sncf-Net: Scale-Aware Neighborhood Correlation Feature Network for Hotspot Defect Detection of Photovoltaic Farms. SSRN Electronic Journal, 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
1824	Learn-Explain-Reinforce: Counterfactual Reasoning and Its Guidance to Reinforce an Alzheimer's Disease Diagnosis Model. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-15.	13.9	3
1825	A Four-Stage Product Appearance Defect Detection Method With Small Samples. IEEE Access, 2022, 10, 83740-83754.	4.2	4
1826	A Multiobject Detection Scheme Based on Deep Learning for Infrared Images. IEEE Access, 2022, 10, 78939-78952.	4.2	1
1827	Road Network Extraction from Satellite Images: A Comparative Study. , 2022, , .		0
1828	Stacked Mixture-of-Expert Networks for Fast Aerial Scene Classification. , 2022, , .		0
1829	Abnormal Behavior Recognition Based on Hybrid Depth Model with SE Block. , 2022, , .		0
1830	TransIEA: Transformer-Baseartd Image Emotion Analysis. , 2022, , .		0
1831	An Improved U-Net Based on Self-adaptive Difference Convolution. , 2022, , .		0
1832	The Target Recognition Algorithm based on the Coordinate Attention Mechanism and the Mutual-channel Loss. , 2022, , .		0
1833	Channel Interaction Attention Networks for Fine-Grained Visual Classification. , 2022, , .		0
1834	Safety Helmet Wearing Detection Method Based on Improved YOLOX. , 2022, , .		1
1835	Computer-Aided Polyp Image Segmentation Using A Residual Attention Convolutional Neural Network. , 2022, , .		0
1836	DRCR Net: Dense Residual Channel Re-calibration Network with Non-local Purification for Spectral Super Resolution. , 2022, , .		11
1837	Multi-scale Features Fusion Network for Single Image Deraining. , 2022, , .		0
1838	Pedestrian attribute recognition in elevator. , 2022, , .		1
1839	An Attention Based YOLOv5 Network for Small Traffic Sign Recognition. , 2022, , .		13
1840	Improved DeeplabV3+ Network Segmentation Method for Urban Road Scenes. , 2022, , .		1
1841	Intelligentwarning System Monitoring Vehicle Surrounding and Driver's Behavior. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
1842	Multi-modal medical image fusion based on densely-connected high-resolution CNN and hybrid transformer. Neural Computing and Applications, 2022, 34, 21741-21761.	5.6	12
1843	A novel deep convolutional neural network algorithm for surface defect detection. Journal of Computational Design and Engineering, 2022, 9, 1616-1632.	3.1	10
1844	Global-guided cross-reference network for co-salient object detection. Machine Vision and Applications, 2022, 33, .	2.7	2
1845	Effective JPEG Steganalysis Using Non-Linear Pre-Processing and Residual Channel-Spatial Attention. , 2022, , .		1
1846	Fractional-order multiscale attention feature pyramid network for time series classification. Applied Intelligence, 0, , .	5.3	2
1847	KASiam: Keypoints-Aligned Siamese Network for the Completion of Partial TLS Point Clouds. Remote Sensing, 2022, 14, 3617.	4.0	0
1848	MRS-Net: an image inpainting algorithm with multi-scale residual attention fusion. Applied Intelligence, 0, , .	5.3	1
1849	A cell phone app for facial acne severity assessment. Applied Intelligence, 2023, 53, 7614-7633.	5.3	5
1850	Efficient CNN Architecture Design Guided by Visualization. , 2022, , .		5
1851	Lightweight image super-resolution with multiscale residual attention network. Journal of Electronic Imaging, 2022, 31, .	0.9	0
1852	Synthetic-to-Real Generalization for Semantic Segmentation. , 2022, , .		0
1853	Improving Deep Image Matting Via Local Smoothness Assumption. , 2022, , .		3
1854	HDNet: A Hierarchically Decoupled Network for Crowd Counting. , 2022, , .		3
1855	RMHNet: A Relation-Aware Multi-granularity Hierarchical Network for Person Re-identification. Neural Processing Letters, 0, , .	3.2	0
1856	Segmentation and accurate identification of large carious lesions on high quality x-ray images based on Attentional U-Net model. A proof of concept study. Journal of Applied Physics, 2022, 132, .	2.5	2
1857	RAD-UNet: a Residual, Attention-Based, Dense UNet for CT Sparse Reconstruction. Journal of Digital Imaging, 2022, 35, 1748-1758.	2.9	3
1858	Investigating Attention Mechanism for Page Object Detection in Document Images. Applied Sciences (Switzerland), 2022, 12, 7486.	2.5	4
1859	A Object Detection Algorithm Incorporates Lightweight Network and Dual Attention Mechanism. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
1860	Adaptive weighted multiscale feature fusion for small drone object detection. Journal of Applied Remote Sensing, 2022, 16, .	1.3	1
1861	YOLO Based Bridge Surface Defect Detection Using Decoupled Prediction. , 2022, , .		5
1862	A Real-Time Ship Detector via a Common Camera. Journal of Marine Science and Engineering, 2022, 10, 1043.	2.6	3
1863	Towards Generating Adversarial Examples on Combined Systems of Automatic Speaker Verification and Spoofing Countermeasure. Security and Communication Networks, 2022, 2022, 1-12.	1.5	3
1864	Deep learning radiomics of dual-modality ultrasound images for hierarchical diagnosis of unexplained cervical lymphadenopathy. BMC Medicine, 2022, 20, .	5.5	7
1865	Sea and Land Segmentation of Optical Remote Sensing Images Based on U-Net Optimization. Remote Sensing, 2022, 14, 4163.	4.0	1
1866	Risky-Driving-Image Recognition Based on Visual Attention Mechanism and Deep Learning. Sensors, 2022, 22, 5868.	3.8	0
1867	Cancer-Net SCa: tailored deep neural network designs for detection of skin cancer from dermoscopy images. BMC Medical Imaging, 2022, 22, .	2.7	6
1868	Multiview feature augmented neural network for knowledge graph embedding. Knowledge-Based Systems, 2022, 255, 109721.	7.1	8
1869	A supervised approach for automated surface defect detection in ceramic tile quality control. Advanced Engineering Informatics, 2022, 53, 101692.	8.0	16
1870	Deep-Learning-Based Detection of Paroxysmal Supraventricular Tachycardia Using Sinus-Rhythm Electrocardiograms. Journal of Clinical Medicine, 2022, 11, 4578.	2.4	1
1871	KDCTime: Knowledge distillation with calibration on InceptionTime for time-series classification. Information Sciences, 2022, 613, 184-203.	6.9	2
1872	Traffic sign detection based on multi-scale feature extraction and cascade feature fusion. Journal of Supercomputing, 2023, 79, 2137-2152.	3.6	6
1873	An Improved EfficientNetV2 Model Based on Visual Attention Mechanism: Application to Identification of Cassava Disease. Computational Intelligence and Neuroscience, 2022, 2022, 1-16.	1.7	7
1874	Domainâ€specific feature recalibration and alignment for multiâ€source unsupervised domain adaptation. IET Computer Vision, 2023, 17, 26-38.	2.0	1
1875	Encoding Contextual Information by Interlacing Transformer and Convolution for Remote Sensing Imagery Semantic Segmentation. Remote Sensing, 2022, 14, 4065.	4.0	20
1876	Application of Low-Altitude UAV Remote Sensing Image Object Detection Based on Improved YOLOv5. Applied Sciences (Switzerland), 2022, 12, 8314.	2.5	14
1877	Prediction of fluid intelligence from T1-w MRI images: A precise two-step deep learning framework. PLoS ONE, 2022, 17, e0268707.	2.5	2

#	ARTICLE	IF	CITATIONS
1878	Image Recognition of Wind Turbine Blade Defects Using Attention-Based MobileNetv1-YOLOv4 and Transfer Learning. Sensors, 2022, 22, 6009.	3.8	15
1879	Multi-Branch Attention-Based Grouped Convolution Network for Human Activity Recognition Using Inertial Sensors. Electronics (Switzerland), 2022, 11, 2526.	3.1	2
1880	Automated Pap Smear Cervical Cancer Detection Based on Multiscale Convolutional Neural Network. , 2022, , .		0
1881	<scp>Dualâ€¦domain</scp> reconstruction network with <scp>Vâ€¦Net</scp> and <scp>Kâ€¦Net</scp> for fast <scp>MRI</scp>. Magnetic Resonance in Medicine, 2022, 88, 2694-2708.	3.0	12
1882	A New Method of Bearing Remaining Useful Life Based on Life Evolution and SE-ConvLSTM Neural Network. Machines, 2022, 10, 639.	2.2	3
1883	A Lightweight Neural Learning Algorithm for Real-Time Facial Feature Tracking System via Split-Attention and Heterogeneous Convolution. Neural Processing Letters, 0, , .	3.2	0
1884	TDA-Net: A Novel Transfer Deep Attention Network for Rapid Response to Building Damage Discovery. Remote Sensing, 2022, 14, 3687.	4.0	1
1885	High-Resolution Drone Detection Based on Background Difference and SAG-YOLOv5s. Sensors, 2022, 22, 5825.	3.8	11
1886	Polyp segmentation with convolutional MLP. Visual Computer, 2023, 39, 4819-4837.	3.5	3
1887	A MobileNetV2-SENet-based method for identifying fish school feeding behavior. Aquacultural Engineering, 2022, 99, 102288.	3.1	12
1888	Application of Efficient Channel Attention Residual Mechanism in Blast Furnace Tuyere Image Anomaly Detection. Applied Sciences (Switzerland), 2022, 12, 7823.	2.5	2
1889	Video super-resolution with fused local and nonlocal feature. Journal of Electronic Imaging, 2022, 31, .	0.9	0
1890	A Novel Deep Transfer Learning Method for Intelligent Fault Diagnosis Based on Variational Mode Decomposition and Efficient Channel Attention. Entropy, 2022, 24, 1087.	2.2	2
1891	A deep learning method combined with electronic nose to identify the rice origin. Journal of Instrumentation, 2022, 17, P08016.	1.2	12
1892	Application of improved YOLOV5 in plate defect detection. International Journal of Advanced Manufacturing Technology, 0, , .	3.0	6
1893	SRMANet: Toward an Interpretable Neural Network with Multi-Attention Mechanism for Gearbox Fault Diagnosis. Applied Sciences (Switzerland), 2022, 12, 8388.	2.5	4
1894	River Extraction from Remote Sensing Images in Cold and Arid Regions Based on Attention Mechanism. Wireless Communications and Mobile Computing, 2022, 2022, 1-18.	1.2	0
1895	CSA-CDGAN: channel self-attention-based generative adversarial network for change detection of remote sensing images. Neural Computing and Applications, 2022, 34, 21999-22013.	5.6	5

#	ARTICLE	IF	CITATIONS
1896	An Improved Apple Object Detection Method Based on Lightweight YOLOv4 in Complex Backgrounds. Remote Sensing, 2022, 14, 4150.	4.0	28
1897	Robot Grasping Stability Prediction Network based on Feature-fusion and Feature-reconstruction of Tactile Information. , 2022, , .		2
1898	Learning Models of Individual Behavior in Chess. , 2022, , .		5
1899	Imbalanced Underwater Acoustic Target Recognition with Trigonometric Loss and Attention Mechanism Convolutional Network. Remote Sensing, 2022, 14, 4103.	4.0	7
1900	Video segmentation via target objectness constraint and multi-head soft aggregation. Neurocomputing, 2022, 510, 24-36.	5.9	2
1901	Combine unlabeled with labeled MR images to measure acute ischemic stroke lesion by stepwise learning. IET Image Processing, 0, , .	2.5	0
1902	MMASleepNet: A multimodal attention network based on electrophysiological signals for automatic sleep staging. Frontiers in Neuroscience, 0, 16, .	2.8	11
1903	A Detection Approach for Floating Debris Using Ground Images Based on Deep Learning. Remote Sensing, 2022, 14, 4161.	4.0	3
1904	AutoFAS: Automatic Feature and Architecture Selection for Pre-Ranking System. , 2022, , .		1
1905	Transformers in medical image analysis. Intelligent Medicine, 2023, 3, 59-78.	3.1	76
1906	Calibration and Distraction Mining Network for Aortic True Lumen segmentation. Journal of Intelligent and Fuzzy Systems, 2022, , 1-13.	1.4	0
1907	Cloud Detection of Remote Sensing Image Based on Multi-Scale Data and Dual-Channel Attention Mechanism. Remote Sensing, 2022, 14, 3710.	4.0	8
1908	Research on PCB defect detection algorithm based on mixed attention mechanism. , 0, 7, 116-123.		0
1909	HBRNet: Boundary Enhancement Segmentation Network for Cropland Extraction in High-Resolution Remote Sensing Images. Agriculture (Switzerland), 2022, 12, 1284.	3.1	2
1910	Multiscale Hybrid Convolutional Deep Neural Networks with Channel Attention. Entropy, 2022, 24, 1180.	2.2	1
1911	Semi-supervised region-connectivity-based cerebrovascular segmentation for time-of-flight magnetic resonance angiography image. Computers in Biology and Medicine, 2022, 149, 105972.	7.0	7
1912	SLT-Net: A codec network for skin lesion segmentation. Computers in Biology and Medicine, 2022, 148, 105942.	7.0	7
1913	Adaptive Modulation and Rectangular Convolutional Network for Stereo Image Super-Resolution. Pattern Recognition Letters, 2022, 161, 122-129.	4.2	2

#	ARTICLE	IF	CITATIONS
1914	Single-channel blind separation of co-frequency signals based on convolutional network. , 2022, 129, 103654.		3
1915	Semantic segmentation and path planning for orchards based on UAV images. Computers and Electronics in Agriculture, 2022, 200, 107222.	7.7	10
1916	A multi-branch hierarchical attention network for medical target segmentation. Biomedical Signal Processing and Control, 2022, 78, 104021.	5.7	1
1917	Generalizable multi-task, multi-domain deep segmentation of sparse pediatric imaging datasets via multi-scale contrastive regularization and multi-joint anatomical priors. Medical Image Analysis, 2022, 81, 102556.	11.6	8
1918	Attention-based generative adversarial network in medical imaging: A narrative review. Computers in Biology and Medicine, 2022, 149, 105948.	7.0	18
1919	Ultrasonic breast tumor extraction based on adversarial mechanism and active contour. Computer Methods and Programs in Biomedicine, 2022, 225, 107052.	4.7	3
1920	DAFT: A universal module to interweave tabular data and 3D images in CNNs. Neurolmage, 2022, 260, 119505.	4.2	8
1921	Multi-slice compressed sensing MRI reconstruction based on deep fusion connection network. Magnetic Resonance Imaging, 2022, 93, 115-127.	1.8	4
1922	Semantic segmentation of clouds in satellite images based on U-Net++ architecture and attention mechanism. Expert Systems With Applications, 2022, 209, 118380.	7.6	3
1923	A novel attentional deep neural network-based assessment method for ECG quality. Biomedical Signal Processing and Control, 2023, 79, 104064.	5.7	25
1924	A parallel multi-scale time-frequency block convolutional neural network based on channel attention module for motor imagery classification. Biomedical Signal Processing and Control, 2023, 79, 104066.	5.7	9
1925	Joint Frequency-Spatial Domain Network for Remote Sensing Optical Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	10
1928	M <sup>3</sup> ResU-Net: a deep residual network for multi-center colorectal polyp segmentation based on multi-scale learning and attention mechanism. Physics in Medicine and Biology, 2022, 67, 205005.	3.0	6
1929	A hybrid explainable ensemble transformer encoder for pneumonia identification from chest X-ray images. Journal of Advanced Research, 2023, 48, 191-211.	9.5	35
1930	lâ€CenterNet: Road infrared target detection based on improved CenterNet. IET Image Processing, 2023, 17, 57-66.	2.5	1
1931	Attention-based adaptive context network for anchor-free instance segmentation. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	0
1932	Real-time guava tree-part segmentation using fully convolutional network with channel and spatial attention. Frontiers in Plant Science, 0, 13, .	3.6	3
1933	SignHRNet: Street-level traffic signs recognition with an attentive semi-anchoring guided high-resolution network. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 192, 142-160.	11.1	6

#	ARTICLE	IF	CITATIONS
1934	CCNet: CNN model with channel attention and convolutional pooling mechanism for spatial image steganalysis. Journal of Visual Communication and Image Representation, 2022, 88, 103633.	2.8	12
1935	AGMR-Net: Attention-guided multiscale recovery framework for stroke segmentation. Computerized Medical Imaging and Graphics, 2022, 101, 102120.	5.8	4
1936	MTU: A multi-tasking U-net with hybrid convolutional learning and attention modules for cancer classification and gland Segmentation in Colon Histopathological Images. Computers in Biology and Medicine, 2022, 150, 106095.	7.0	4
1937	A global interactive attention-based lightweight denoising network for locating internal defects of CFRP laminates. Engineering Applications of Artificial Intelligence, 2022, 116, 105436.	8.1	8
1938	Precise maize detasseling base on oriented object detection for tassels. Computers and Electronics in Agriculture, 2022, 202, 107382.	7.7	3
1939	Infrared-visible cross-modal person re-identification via dual-attention collaborative learning. Signal Processing: Image Communication, 2022, 109, 116868.	3.2	2
1940	Learned large Field-of-View imager with a simple spherical optical module. Optics Communications, 2023, 526, 128918.	2.1	1
1941	Review of pixel-level remote sensing image fusion based on deep learning. Information Fusion, 2023, 90, 36-58.	19.1	20
1942	A multi-scale multi-model deep neural network via ensemble strategy on high-throughput microscopy image for protein subcellular localization. Expert Systems With Applications, 2023, 212, 118744.	7.6	5
1943	Android malware detection based on multi-head squeeze-and-excitation residual network. Expert Systems With Applications, 2023, 212, 118705.	7.6	22
1944	Learning Visual Context for Group Activity Recognition. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 3261-3269.	4.9	24
1945	Sleep Behavior Detection Based on Pseudo-3D Convolutional Neural Network and Attention Mechanism. IEEE Access, 2022, 10, 90101-90110.	4.2	2
1946	Automatic counting of retinal ganglion cells in the entire mouse retina based on improved YOLOv5. Zoological Research, 2022, 43, 738-749.	2.1	3
1947	Lattice Network for Lightweight Image Restoration. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-16.	13.9	8
1948	A Lip Reading Method Based on 3D Convolutional Vision Transformer. IEEE Access, 2022, 10, 77205-77212.	4.2	8
1949	Intelligent Detection Method of Forgings Defects Detection Based on Improved EfficientNet and Memetic Algorithm. IEEE Access, 2022, 10, 79553-79563.	4.2	12
1950	Efficient Two-Stream Network for Online Video Action Segmentation. IEEE Access, 2022, 10, 90635-90646.	4.2	2
1951	Attention-Based CNN Ensemble for Soil Organic Carbon Content Estimation With Spectral Data. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3

#	ARTICLE	IF	CITATIONS
1952	GCS-YOLOV4-Tiny: A lightweight group convolution network for multi-stage fruit detection. Mathematical Biosciences and Engineering, 2022, 20, 241-268.	1.9	13
1953	MLAN: Multi-Level Attention Network. IEEE Access, 2022, 10, 105437-105446.	4.2	2
1954	NT-Net: A Semantic Segmentation Network for Extracting Lake Water Bodies From Optical Remote Sensing Images Based on Transformer. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	15
1955	Global-and-Local Collaborative Learning for Co-Salient Object Detection. IEEE Transactions on Cybernetics, 2023, 53, 1920-1931.	9.5	34
1956	Cross-Domain Attention and Center Loss for Sketch Re-Identification. IEEE Transactions on Information Forensics and Security, 2022, 17, 3421-3432.	6.9	2
1957	TSN-A: An Efficient Deep Learning Model for Automatic Modulation Classification Based on Intra-Class Confusion Reduction of Modulation Families. IEEE Communications Letters, 2022, 26, 2964-2968.	4.1	1
1958	Local-to-Global Cost Aggregation for Semantic Correspondence. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 1209-1222.	8.3	0
1959	Multi-Branch Self-Learning Vision Transformer (Msvit) for Crop Type Mapping with Sar-Optical Time-Series. SSRN Electronic Journal, 0, , .	0.4	0
1960	Solar Image Cloud Removal based on Improved Pix2Pix Network. Computers, Materials and Continua, 2022, 73, 6181-6193.	1.9	0
1961	Application of YOLOv5 Based on Attention Mechanism and Receptive Field in Identifying Defects of Thangka Images. IEEE Access, 2022, 10, 81597-81611.	4.2	11
1962	Joint Strong Edge and Multi-Stream Adaptive Fusion Network for Non-Uniform Image Deblurring. SSRN Electronic Journal, 0, , .	0.4	0
1963	Illumination Guided Attentive Wavelet Network for Low-Light Image Enhancement. IEEE Transactions on Multimedia, 2023, 25, 6258-6271.	7.2	2
1964	DRN-SEAM: A deep residual network based on squeeze-and-excitation attention mechanism for motion recognition in education. Computer Science and Information Systems, 2022, , 41-41.	1.0	0
1965	Method and Application of Visual Relationship Detection Based on Deep Learning. Journal of Image and Signal Processing, 2022, 11, 144-161.	0.1	0
1966	Eagnet: A Method for Automatic Extraction of Agricultural Greenhouses from High Spatial Resolution Remote Sensing Images Based on Hybrid Multi-Attention. SSRN Electronic Journal, 0, , .	0.4	0
1967	Adaptive Channel Encoding Transformer for Point Cloud Analysis. Lecture Notes in Computer Science, 2022, , 1-13.	1.3	2
1968	Meta Pixel Loss Correction for Medical Image Segmentation with Noisy Labels. Lecture Notes in Computer Science, 2022, , 32-41.	1.3	3
1969	Multiscale Ship Detection Method in SAR Images Based on Information Compensation and Feature Enhancement. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	6

#	ARTICLE	IF	CITATIONS
1970	MFST: A Multi-Level Fusion Network for Remote Sensing Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	16
1971	Learning Local Attention With Guidance Map for Pose Robust Facial Expression Recognition. IEEE Access, 2022, 10, 85929-85940.	4.2	4
1972	Convformer-NSE: A Novel End-to-End Gearbox Fault Diagnosis Framework Under Heavy Noise Using Joint Global and Local Information. IEEE/ASME Transactions on Mechatronics, 2023, 28, 340-349.	5.8	23
1973	P2T: Pyramid Pooling Transformer for Scene Understanding. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 12760-12771.	13.9	61
1974	Multi-Sensor Data Fusion for Short-Term Traffic Flow Prediction: A Novel Multi-Channel Data Structure Integrated with Mixed-Pointwise Convolution and Channel Attention Mechanism. Lecture Notes in Computer Science, 2022, , 731-742.	1.3	2
1975	DeLightLCD: A Deep and Lightweight Network for Loop Closure Detection in LiDAR SLAM. IEEE Sensors Journal, 2022, 22, 20761-20772.	4.7	0
1976	Identifying malignant nodules on chest X-rays: A validation study of radiologist versus artificial intelligence diagnostic accuracy. , 2022, 1, 137.		5
1977	Stand-Alone Multi-Attention Fusion Network for Double-Identity Fingerprint Detection. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2022, 4, 596-602.	4.4	1
1978	Learning Dynamic Generative Attention for Single Image Super-Resolution. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 8368-8382.	8.3	5
1979	Printed Circuit Board Quality Detection Method Integrating Lightweight Network and Dual Attention Mechanism. IEEE Access, 2022, 10, 87617-87629.	4.2	13
1980	AGFA-Net: Adaptive Global Feature Augmentation Network for Point Cloud Completion. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
1981	Toward Better Accuracy-Efficiency Trade-Offs: Divide and Co-Training. IEEE Transactions on Image Processing, 2022, 31, 5869-5880.	9.8	9
1982	A Lightweight Modified YOLOX Network Using Coordinate Attention Mechanism for PCB Surface Defect Detection. IEEE Sensors Journal, 2022, 22, 20910-20920.	4.7	27
1983	Spatial-Temporal Information Aggregation and Cross-Modality Interactive Learning for RGB-D-Based Human Action Recognition. IEEE Access, 2022, 10, 104190-104201.	4.2	2
1984	Beyond Self-Attention: External Attention Using Two Linear Layers for Visual Tasks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-13.	13.9	133
1985	Multi-objective Evolutionary Architecture Search of U-Net with Diamond Atrous Convolution. Communications in Computer and Information Science, 2022, , 31-40.	0.5	0
1986	Integrated Fusion for Panchromatic, Multispectral, Hyperspectral Remote Sensing Images With Different Swath Widths. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
1987	SSP Framework: A New Approach to Designing Lightweight Convolutional Neural Networks. IEEE Access, 2022, 10, 102292-102307.	4.2	1

#	ARTICLE	IF	CITATIONS
1988	A Multimodal Multilevel Converged Attention Network for Hand Gesture Recognition With Hybrid sEMG and A-Mode Ultrasound Sensing. IEEE Transactions on Cybernetics, 2023, 53, 7723-7734.	9.5	10
1989	A ViT-AMC Network With Adaptive Model Fusion and Multiobjective Optimization for Interpretable Laryngeal Tumor Grading From Histopathological Images. IEEE Transactions on Medical Imaging, 2023, 42, 15-28.	8.9	30
1990	RLSegNet: An Medical Image Segmentation Network based on Reinforcement Learning. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, , 1-12.	3.0	2
1991	FSRDD: An Efficient Few-Shot Detector for Rare City Road Damage Detection. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 24379-24388.	8.0	8
1992	A New Multilabel Recognition Framework for Transmission Lines Bolt Defects Based on the Combination of Semantic Knowledge and Structural Knowledge. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	4.7	1
1993	Perception-and-Regulation Network for Salient Object Detection. IEEE Transactions on Multimedia, 2022, , 1-13.	7.2	1
1994	A Novel Multi-Stage Attentional Framework for 3d Hand-Object Pose Estimation from Rgb-D Data. SSRN Electronic Journal, 0, , .	0.4	0
1995	Convolutional Neural Network Based Anatomical Site Identification for Laryngoscopy Quality Control: A Multicenter Study. SSRN Electronic Journal, 0, , .	0.4	0
1996	Light-Guided and Cross-Fusion U-Net for Anti-Illumination Image Super-Resolution. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 8436-8449.	8.3	26
1997	Multi-Object Tracking Algorithm Based on Improved FairMOT Feature Decoupling. Computer Science and Application, 2022, 12, 1952-1963.	0.1	0
1998	An Intelligent Defect Detection Approach Based on Cascade Attention Network Under Complex Magnetic Flux Leakage Signals. IEEE Transactions on Industrial Electronics, 2023, 70, 7417-7427.	7.9	11
1999	An Automatic Prostate Surgical Region Reconstruction Method Based on Multilevel Learning. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	2
2000	DFCE: Decoder-Friendly Chrominance Enhancement for HEVC Intra Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 1481-1486.	8.3	0
2001	LW-CMDANet: A Novel Attention Network for SAR Automatic Target Recognition. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 6615-6630.	4.9	15
2002	Learning Nonlocal Quadrature Contrast for Detection and Recognition of Infrared Rotary-Wing UAV Targets in Complex Background. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	2
2003	An Anchor-Free Lightweight Deep Convolutional Network for Vehicle Detection in Aerial Images. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 24330-24342.	8.0	6
2004	Few-Shot Image Classification Based on Asymmetric Convolution and Attention Mechanism. , 2022, , .		1
2005	InceptionV3 Based Enriched Feature Integration Network Architecture for Pixel-Level Surface Defect Detection. Journal of the Faculty of Engineering and Architecture of Gazi University, 2022, 38, 721-732.	0.8	1

#	ARTICLE	IF	CITATIONS
2006	Kernelized Few-shot Object Detection with Efficient Integral Aggregation. , 2022, , .		31
2007	Capturing Humans in Motion: Temporal-Attentive 3D Human Pose and Shape Estimation from Monocular Video. , 2022, , .		29
2008	Represent, Compare, and Learn: A Similarity-Aware Framework for Class-Agnostic Counting. , 2022, , .		12
2009	Multi-Scale Feature Fusion for Hyperspectral and Lidar Data Joint Classification. , 2022, , .		2
2010	Ensemble framework based on attributes and deep features for benign-malignant classification of lung nodule. Biomedical Signal Processing and Control, 2023, 79, 104217.	5.7	4
2011	Information Purification Network for Remote Sensing Image Super-Resolution. Tsinghua Science and Technology, 2023, 28, 310-321.	6.1	0
2012	Road Traffic Vehicle Detection Method Using Lightweight YOLOv5 and Attention Mechanism. , 2022, , .		0
2013	A General Multiple Data Augmentation Based Framework for Training Deep Neural Networks. , 2022, , .		0
2014	Multi-modal Face Anti-spoofing Using Multi-fusion Network and Global Depth-wise Convolution. , 2022, , .		1
2015	An Improved Method of Image Recognition with Deep Learning Combined with Attention Mechanism. , 2022, , .		0
2016	Oil painting style classification based on deep learning. , 2022, , .		0
2017	CMB: A Novel Structural Re-parameterization Block without Extra Training Parameters. , 2022, , .		0
2018	An Improved HRNET and its application in crowd counting. , 2022, , .		0
2019	Pcwin Transformer: Permuted Channel Window based Attention for Image Classification. , 2022, , .		0
2020	Enhanced Feature Aggregation for Deep Neural Network Based Speaker Embedding. , 2022, , .		0
2021	PAV-Net: Point-wise Attention Keypoints Voting Network for Real-time 6D Object Pose Estimation. , 2022, , .		1
2022	Pedestrian Attribute Recognition Based on Multi-Scale Fusion and Cross Attention. , 2022, , .		1
2023	Dual Fusion Mass Detector for Mammogram Mass Detection. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2024	CNN-Enhanced graph attention network for hyperspectral image super-resolution using non-local self-similarity. International Journal of Remote Sensing, 2022, 43, 4810-4835.	2.9	2
2025	A Method of Removing Oil Droplets from Bearing Image Based on a Two-stage Neural Network. , 2022, , .		1
2026	Deep Multi-Scale Representation Learning with Attention for Automatic Modulation Classification. , 2022, , .		5
2027	Solar Panels Detection of High-Resolution Aerial Images Based on Improved Faster-RCNN. , 2022, , .		0
2028	A Spatial Attention Guided Scene Classification Method for Multiscale Remote Sensing Dataset. , 2022, , .		0
2029	Face detection for rail transit passengers based on single shot detector and active learning. Multimedia Tools and Applications, 2022, 81, 42433-42456.	3.9	3
2030	SE-YOLOv5x: An Optimized Model Based on Transfer Learning and Visual Attention Mechanism for Identifying and Localizing Weeds and Vegetables. Agronomy, 2022, 12, 2061.	3.0	22
2031	Hemerocallis citrina Baroni Maturity Detection Method Integrating Lightweight Neural Network and Dual Attention Mechanism. Electronics (Switzerland), 2022, 11, 2743.	3.1	6
2032	A Crowdsourcing Approach to Develop Machine Learning Models to Quantify Radiographic Joint Damage in Rheumatoid Arthritis. JAMA Network Open, 2022, 5, e2227423.	5.9	5
2033	Low-light image enhancement with geometrical sparse representation. Applied Intelligence, 2023, 53, 11019-11033.	5.3	3
2035	Cross-Modal Reconstruction for Tactile Signal in Human-Robot Interaction. Sensors, 2022, 22, 6517.	3.8	2
2036	Anomaly identification of critical power plant facilities based on YOLOX-CBAM. , 2022, , .		5
2037	Safety Helmet Wearing Detection Based on A Lightweight YOLOv4 Algorithm. , 2022, , .		1
2038	Automated Detection of Tuberculosis Bacilli Using Deep Neural Networks with Sputum Smear Images. , 2022, , .		1
2039	Rolling bearing fault diagnosis by Markov transition field and multi-dimension convolutional neural network. Measurement Science and Technology, 2022, 33, 114009.	2.6	14
2040	RS-YOLOX: A High-Precision Detector for Object Detection in Satellite Remote Sensing Images. Applied Sciences (Switzerland), 2022, 12, 8707.	2.5	18
2041	Automatic Segmentation of Laser-Induced Injury OCT Images Based on a Deep Neural Network Model. International Journal of Molecular Sciences, 2022, 23, 11079.	4.1	4
2042	HPFace: a high speed and accuracy face detector. Neural Computing and Applications, 0, , .	5.6	0

#	ARTICLE	IF	CITATIONS
2043	HEA-Net: Attention and MLP Hybrid Encoder Architecture for Medical Image Segmentation. Sensors, 2022, 22, 7024.	3.8	5
2044	Scale-Space Feature Recalibration Network for Single Image Deraining. Sensors, 2022, 22, 6823.	3.8	2
2045	Detection of Small Floating Target on Sea Surface Based on Gramian Angular Field and Improved EfficientNet. Remote Sensing, 2022, 14, 4364.	4.0	12
2046	An attentive hierarchy ConvNet for crowd counting in smart city. Cluster Computing, 2023, 26, 1099-1111.	5.0	15
2047	Malware Variants Detection Model Based on MFFâ€“HDBA. Applied Sciences (Switzerland), 2022, 12, 9593.	2.5	3
2048	SSGNet: semi-supervised multi-path grid network for diagnosing melanoma. Pattern Analysis and Applications, 0, , .	4.6	1
2049	Detection of maize tassels for UAV remote sensing image with an improved YOLOX Model. Journal of Integrative Agriculture, 2023, 22, 1671-1683.	3.5	12
2050	Post-disaster building damage assessment based on improved U-Net. Scientific Reports, 2022, 12, .	3.3	8
2051	Semantic Segmentation of Side-Scan Sonar Images with Few Samples. Electronics (Switzerland), 2022, 11, 3002.	3.1	4
2053	A coarse-to-fine cascade deep learning neural network for segmenting cerebral aneurysms in time-of-flight magnetic resonance angiography. BioMedical Engineering OnLine, 2022, 21, .	2.7	1
2054	A comparison of deep learning U-Net architectures for posterior segment OCT retinal layer segmentation. Scientific Reports, 2022, 12, .	3.3	13
2055	Automatic classification of galaxy morphology based on the RegNetX-CBAM3 algorithm. Monthly Notices of the Royal Astronomical Society, 2022, 517, 808-824.	4.4	1
2056	MFFAMM: A Small Object Detection with Multi-Scale Feature Fusion and Attention Mechanism Module. Applied Sciences (Switzerland), 2022, 12, 8940.	2.5	4
2057	MSFF: A Multi-Scale Feature Fusion Network for Surface Defect Detection of Aluminum Profiles. IEICE Transactions on Information and Systems, 2022, E105.D, 1652-1655.	0.7	4
2058	DSA-SOLO: Double Split Attention SOLO for Side-Scan Sonar Target Segmentation. Applied Sciences (Switzerland), 2022, 12, 9365.	2.5	2
2059	FEA-Swin: Foreground Enhancement Attention Swin Transformer Network for Accurate UAV-Based Dense Object Detection. Sensors, 2022, 22, 6993.	3.8	7
2060	Deep leaning-based ultra-fast stair detection. Scientific Reports, 2022, 12, .	3.3	9
2061	MPGIâ€“terminal defect detection based on Mâ€“FRCNN. IET Image Processing, 2023, 17, 428-438.	2.5	1

#	ARTICLE	IF	CITATIONS
2062	A hybrid fusion precipitation bias correction approach for <scp>Yinâ€He</scp> global spectral model. Meteorological Applications, 2022, 29, .	2.1	1
2063	An Improved YOLOV5 Based on Triplet Attention and Prediction Head Optimization for Marine Organism Detection on Underwater Mobile Platforms. Journal of Marine Science and Engineering, 2022, 10, 1230.	2.6	10
2064	FAM: focal attention module for lesion segmentation of COVID-19 CT images. Journal of Real-Time Image Processing, 2022, 19, 1091-1104.	3.5	4
2065	A novel CapsNet neural network based on MobileNetV2 structure for robot image classification. Frontiers in Neurorobotics, 0, 16, .	2.8	3
2066	CSM-Net: Automatic joint segmentation of intima-media complex and lumen in carotid artery ultrasound images. Computers in Biology and Medicine, 2022, 150, 106119.	7.0	11
2067	Attention-optimized DeepLab V3â€‰+â€‰for automatic estimation of cucumber disease severity. Plant Methods, 2022, 18, .	4.3	14
2068	UPANets: Learning from the Universal Pixel Attention Networks. Entropy, 2022, 24, 1243.	2.2	2
2069	A densely interconnected network for deep learning accelerated MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2023, 36, 65-77.	2.0	4
2070	A New Bolt Defect Identification Method Incorporating Attention Mechanism and Wide Residual Networks. Sensors, 2022, 22, 7416.	3.8	2
2071	Lightweight prohibited item detection method based on YOLOV4 for x-ray security inspection. Applied Optics, 2022, 61, 8454.	1.8	4
2072	U-shaped spatialâ€temporal transformer network for 3D human pose estimation. Machine Vision and Applications, 2022, 33, .	2.7	3
2073	A novel deep learning package for electrocardiography research. Physiological Measurement, 2022, 43, 115006.	2.1	1
2074	Effective Utilization of Multiple Convolutional Neural Networks for Chest X-Ray Classification. SN Computer Science, 2022, 3, .	3.6	3
2075	An Improved Image Classification Method for Cervical Precancerous Lesions Based on ShuffleNet. Computational Intelligence and Neuroscience, 2022, 2022, 1-8.	1.7	7
2076	A lightweight detection method for the spatial distribution of underwater fish school quantification in intensive aquaculture. Aquaculture International, 2023, 31, 31-52.	2.2	5
2077	MANet: A Network Architecture for Remote Sensing Spatiotemporal Fusion Based on Multiscale and Attention Mechanisms. Remote Sensing, 2022, 14, 4600.	4.0	6
2078	FASTNN: A Deep Learning Approach for Traffic Flow Prediction Considering Spatiotemporal Features. Sensors, 2022, 22, 6921.	3.8	12
2079	Research on CNN-BiLSTM Fall Detection Algorithm Based on Improved Attention Mechanism. Applied Sciences (Switzerland), 2022, 12, 9671.	2.5	2

#	ARTICLE	IF	CITATIONS
2080	Multi-class 12-lead ECG automatic diagnosis based on a novel subdomain adaptive deep network. Science China Technological Sciences, 2022, 65, 2617-2630.	4.0	14
2081	A compact periocular recognition system based on deep learning framework AttenMidNet with the attention mechanism. Multimedia Tools and Applications, 2023, 82, 15837-15857.	3.9	4
2082	Fault Diagnosis of the Dynamic Chemical Process Based on the Optimized CNN-LSTM Network. ACS Omega, 2022, 7, 34389-34400.	3.5	4
2083	DeDiM: De-identification using a diffusion model. , 2022, , .		1
2084	Using an improved YOLOv5s network for the automatic detection of silicon on wheat straw epidermis of micrographs. Journal of Field Robotics, 0, , .	6.0	0
2085	Efficient doseâ€‘volume histogramâ€‘based pretreatment patientâ€‘specific quality assurance methodology with combined deep learning and machine learning models for volumetric modulated arc radiotherapy. Medical Physics, 2022, 49, 7779-7790.	3.0	4
2086	Large scale instance segmentation of outdoor environment based on improved YOLACT. Concurrency Computation Practice and Experience, 0, , .	2.2	3
2087	Evaluation of a convolutional neural network to identify scaphoid fractures on radiographs. Journal of Hand Surgery: European Volume, 2023, 48, 445-450.	1.0	6
2088	Lightweight Channel Estimation Networks for OFDM Systems. IEEE Wireless Communications Letters, 2022, 11, 2066-2070.	5.0	2
2089	Deep learning-based segmentation and classification of leaf images for detection of tomato plant disease. Frontiers in Plant Science, 0, 13, .	3.6	66
2090	Enhancing the feasibility of cognitive load recognition in remote learning using physiological measures and an adaptive feature recalibration convolutional neural network. Medical and Biological Engineering and Computing, 2022, 60, 3447-3460.	2.8	1
2091	A real-time rural domestic garbage detection algorithm with an improved YOLOv5s network model. Scientific Reports, 2022, 12, .	3.3	11
2092	Evaluation of two semi-supervised learning methods and their combination for automatic classification of bone marrow cells. Scientific Reports, 2022, 12, .	3.3	2
2093	Fuzzy granular deep convolutional network with residual structures. Knowledge-Based Systems, 2022, 258, 109941.	7.1	3
2094	Retinal vessels segmentation of colour fundus images using two stages cascades convolutional neural networks. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 9305-9315.	4.9	3
2095	Oestrus detection in dairy cows by using atrous spatial pyramid and attention mechanism. Biosystems Engineering, 2022, 223, 259-276.	4.3	7
2096	Deep learning based soybean seed classification. Computers and Electronics in Agriculture, 2022, 202, 107393.	7.7	13
2097	Skin lesion classification using CNNs with grouping of multi-scale attention and class-specific loss weighting. Computer Methods and Programs in Biomedicine, 2022, 226, 107166.	4.7	16

#	ARTICLE	IF	CITATIONS
2098	Explicitly Modeled Attention Maps for Image Classification. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 9799-9807.	4.9	5
2099	Deep Event Stereo Leveraged by Event-to-Image Translation. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 882-890.	4.9	11
2100	RGB-D Salient Object Detection via 3D Convolutional Neural Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 1063-1071.	4.9	71
2101	Cascade Network with Guided Loss and Hybrid Attention for Finding Good Correspondences. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 1123-1131.	4.9	4
2102	Patch-Wise Attention Network for Monocular Depth Estimation. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 1873-1881.	4.9	27
2103	Regional Attention with Architecture-Rebuilt 3D Network for RGB-D Gesture Recognition. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 3563-3571.	4.9	15
2104	Attributes-Guided and Pure-Visual Attention Alignment for Few-Shot Recognition. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 7840-7847.	4.9	15
2109	Leaf Image Classification Using Deep Learning Network. Academic Journal of Computing & Information Science, 2021, 4, .	0.1	1
2110	Split then Refine: Stacked Attention-guided ResUNets for Blind Single Image Visible Watermark Removal. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 1184-1192.	4.9	13
2111	TDAF: Top-Down Attention Framework for Vision Tasks. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 2384-2392.	4.9	4
2112	Maximum Roaming Multi-Task Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 9331-9341.	4.9	6
2113	Query-Memory Re-Aggregation for Weakly-supervised Video Object Segmentation. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 2038-2046.	4.9	10
2114	Tied Block Convolution: Leaner and Better CNNs with Shared Thinner Filters. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 10227-10235.	4.9	12
2115	Large Norms of CNN Layers Do Not Hurt Adversarial Robustness. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 8565-8573.	4.9	1
2116	Capturing Uncertainty in Unsupervised GPS Trajectory Segmentation Using Bayesian Deep Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 390-398.	4.9	3
2117	Learning Contextual Embedding Deep Networks for Accurate and Efficient Image Deraining. Lecture Notes in Computer Science, 2022, , 236-248.	1.3	0
2118	SDCAFNet: A Deep Convolutional Neural Network for Land-Cover Semantic Segmentation With the Fusion of PolSAR and Optical Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 8928-8942.	4.9	5
2119	SEResU-Net for Multimodal Brain Tumor Segmentation. IEEE Access, 2022, 10, 117033-117044.	4.2	6

#	ARTICLE	IF	CITATIONS
2120	Road and Car Extraction Using UAV Images via Efficient Dual Contextual Parsing Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	2
2121	Efficient Video Understanding-Based Random Hand Gesture Authentication. Lecture Notes in Computer Science, 2022, , 247-256.	1.3	2
2122	A Lightweight YOLOv4-EDAM Model for Accurate and Real-time Detection of Foreign Objects Suspended on Power Lines. IEEE Transactions on Power Delivery, 2023, 38, 1329-1340.	4.3	5
2123	Time-Reversed Diffusion Tensor Transformer: A New TENET of Few-Shot Object Detection. Lecture Notes in Computer Science, 2022, , 310-328.	1.3	10
2124	A New Type of Renal Parenchymal Segmentation Network. Pure Mathematics, 2022, 12, 1661-1668.	0.0	0
2125	Image Derain Method for Generative Adversarial Network Based on Wavelet High Frequency Feature Fusion. Lecture Notes in Computer Science, 2022, , 165-178.	1.3	1
2126	A Unified Multiview Spectral Feature Learning Framework for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	0
2127	Context-Driven Visual Object Recognition Based on Knowledge Graphs. Lecture Notes in Computer Science, 2022, , 142-160.	1.3	1
2128	Fully Convolutional Network-Based Nonlocal-Dependent Learning for Hyperspectral Image Classification. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	4
2129	Teaching Where to Look: Attention Similarity Knowledge Distillation for Low Resolution Face Recognition. Lecture Notes in Computer Science, 2022, , 631-647.	1.3	6
2130	Garbage classification and detection method based on improved YOLOX. , 2022, , .		0
2131	Semi-Supervised Land-Cover Mapping Based on Multimodal Fusion and Pseudo-Label. , 2022, , .		1
2132	SE-EDSR: A Deep Learning Method for Gas Distribution Mapping. , 2022, , .		1
2133	An automatic defect detection system based on deep learning for fasteners in the power system. , 2022, , .		1
2134	A Convolutional Neural Network with Equal-Resolution Enhancement and Gradual Attention of Features for Tiny Target Detection. , 2022, , .		0
2135	Unknown Radar Signal Recognition Method Based on SER Block and Semi-Hard Triplet Loss. , 2022, , .		0
2136	HyperStyle-Based Data Augmentation to Improve the Performance of Face Recognition Model. , 2022, , .		0
2137	Orientation-aware People Detection and Counting Method based on Overhead Fisheye Camera. , 2022, , .		3

#	ARTICLE	IF	CITATIONS
2138	Infant Facial Expression Recognition Based on Parameter-free Attention Module. , 2022, , .		1
2139	A Self-Attention Based Wasserstein Generative Adversarial Networks for Single Image Inpainting. Pattern Recognition and Image Analysis, 2022, 32, 591-599.	1.0	5
2140	A Novel Defect Inspection System Using Convolutional Neural Network for MEMS Pressure Sensors. Journal of Imaging, 2022, 8, 268.	3.0	5
2141	A Defect Detection Method Based on BC-YOLO for Transmission Line Components in UAV Remote Sensing Images. Remote Sensing, 2022, 14, 5176.	4.0	26
2142	Deep Learning for Chondrogenic Tumor Classification through Wavelet Transform of Raman Spectra. Sensors, 2022, 22, 7492.	3.8	4
2143	A Method for Obtaining the Number of Maize Seedlings Based on the Improved YOLOv4 Lightweight Neural Network. Agriculture (Switzerland), 2022, 12, 1679.	3.1	3
2144	Multilevel Features-Guided Network for Few-Shot Segmentation. Electronics (Switzerland), 2022, 11, 3195.	3.1	0
2145	Pose estimation method for construction machine based on improved AlphaPose model. Engineering, Construction and Architectural Management, 2024, 31, 976-996.	3.1	4
2146	A multi-granularity convolutional neural network model with temporal information and attention mechanism for efficient diabetes medical cost prediction. Computers in Biology and Medicine, 2022, 151, 106246.	7.0	5
2147	MSSDet: Multi-Scale Ship-Detection Framework in Optical Remote-Sensing Images and New Benchmark. Remote Sensing, 2022, 14, 5460.	4.0	5
2148	Multiple Soft Attention Network for Vehicle Re-Identification. , 2022, , .		2
2149	Arg-Cnn: An Attention-Based Network for Plant Identification. , 2022, , .		1
2150	A Defect Detection Model for Industrial Products Based on Attention and Knowledge Distillation. Computational Intelligence and Neuroscience, 2022, 2022, 1-18.	1.7	5
2151	Structure-Inferred Bi-level Model for Underwater Image Enhancement. , 2022, , .		7
2152	Muti-Frame Point Cloud Feature Fusion Based on Attention Mechanisms for 3D Object Detection. Sensors, 2022, 22, 7473.	3.8	6
2153	Masked face recognition with convolutional visual self-attention network. Neurocomputing, 2023, 518, 496-506.	5.9	9
2154	ConvFaceNeXt: Lightweight Networks for Face Recognition. Mathematics, 2022, 10, 3592.	2.2	3
2155	Alzheimer's Disease Prediction Algorithm Based on Group Convolution and a Joint Loss Function. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-11.	1.3	2

#	ARTICLE	IF	CITATIONS
2156	Large-factor Micro-CT super-resolution of bone microstructure. <i>Frontiers in Physics</i> , 0, 10, .	2.1	3
2157	An Enhanced Spectral Fusion 3D CNN Model for Hyperspectral Image Classification. <i>Remote Sensing</i> , 2022, 14, 5334.	4.0	5
2158	Classification of Fine-Grained Crop Disease by Dilated Convolution and Improved Channel Attention Module. <i>Agriculture (Switzerland)</i> , 2022, 12, 1727.	3.1	4
2159	Tool Wear Prediction Based on a Multi-Scale Convolutional Neural Network with Attention Fusion. <i>Information (Switzerland)</i> , 2022, 13, 504.	2.9	5
2160	Towards Robotic Marble Resin Application: Crack Detection on Marble Using Deep Learning. <i>Electronics (Switzerland)</i> , 2022, 11, 3289.	3.1	6
2161	Weakly supervised adversarial learning via latent space for hyperspectral target detection. <i>Pattern Recognition</i> , 2023, 135, 109125.	8.1	12
2162	Multi-dimensional feature extraction-based deep encoderâ€“decoder network for automatic surface defect detection. <i>Neural Computing and Applications</i> , 2023, 35, 3263-3282.	5.6	7
2163	Detection algorithm for pigmented skin disease based on classifier-level and feature-level fusion. <i>Frontiers in Public Health</i> , 0, 10, .	2.7	1
2164	DSMENet: Detail and Structure Mutually Enhancing Network for under-sampled MRI reconstruction. <i>Computers in Biology and Medicine</i> , 2023, 154, 106204.	7.0	9
2165	Gating attention convolutional networks with dense connection for pixel-level crack detection. <i>Multimedia Systems</i> , 0, , .	4.7	0
2166	An Effective Surface Defect Classification Method Based on RepVGG with CBAM Attention Mechanism (RepVGG-CBAM) for Aluminum Profiles. <i>Metals</i> , 2022, 12, 1809.	2.3	10
2167	Convolutional Sparse Coding with Weighted L1 Norm for Phase Retrieval: Algorithm and Its Deep Unfolded Network. , 2022, , .		0
2168	An Efficient Face-based Age Group Detector on a CPU using Two Perspective Convolution with Attention Modules. , 2022, , .		2
2169	Document Shadow Removal with Foreground Detection Learning From Fully Synthetic Images. , 2022, , .		1
2170	Transformer-based hierarchical latent space VAE for interpretable remaining useful life prediction. <i>Advanced Engineering Informatics</i> , 2022, 54, 101781.	8.0	23
2171	Multisemantic Path Neural Network for Deepfake Detection. <i>Security and Communication Networks</i> , 2022, 2022, 1-14.	1.5	1
2172	PRO-Face: A Generic Framework for Privacy-preserving Recognizable Obfuscation of Face Images. , 2022, , .		4
2173	Research on Surface Defect Detection of Camera Module Lens Based on YOLOv5s-Small-Target. <i>Electronics (Switzerland)</i> , 2022, 11, 3189.	3.1	4

#	ARTICLE	IF	CITATIONS
2174	Dynamic Convolution Self-Attention Network for Land-Cover Classification in VHR Remote-Sensing Images. Remote Sensing, 2022, 14, 4941.	4.0	1
2175	Deep attentive convolutional neural network for automatic grading of imbalanced diabetic retinopathy in retinal fundus images. Biomedical Optics Express, 2022, 13, 5813.	2.9	4
2176	Weakly supervised pavement crack semantic segmentation based on multi-scale object localization and incremental annotation refinement. Applied Intelligence, 2023, 53, 14527-14546.	5.3	7
2177	Hierarchical Prototypes Polynomial Softmax Loss Function for Visual Classification. Applied Sciences (Switzerland), 2022, 12, 10336.	2.5	1
2178	LMA: lightweight mixed-domain attention for efficient network design. Applied Intelligence, 0, , .	5.3	0
2179	A novel CNN ensemble framework for bearing surface defects classification based on transfer learning. Measurement Science and Technology, 2023, 34, 025902.	2.6	7
2180	AIE-YOLO: Auxiliary Information Enhanced YOLO for Small Object Detection. Sensors, 2022, 22, 8221.	3.8	13
2181	Multi-Kernel Temporal and Spatial Convolution for EEG-Based Emotion Classification. Sensors, 2022, 22, 8250.	3.8	3
2182	Tree Trunk and Obstacle Detection in Apple Orchard Based on Improved YOLOv5s Model. Agronomy, 2022, 12, 2427.	3.0	10
2183	Research of Maritime Object Detection Method in Foggy Environment Based on Improved Model SRC-YOLO. Sensors, 2022, 22, 7786.	3.8	4
2184	Automatic Recognition of Giant Panda Attributes from Their Vocalizations Based on Squeeze-and-Excitation Network. Sensors, 2022, 22, 8015.	3.8	1
2185	Face Recognition Based on Improved Residual Network and Channel Attention. Automatic Control and Computer Sciences, 2022, 56, 383-392.	0.8	0
2186	A Person Re-Identification Baseline Based on Attention Block Neural Architecture Search. , 2022, , .		0
2187	F2RNET: A Full-Resolution Representation Network for Biomedical Image Segmentation. , 2022, , .		0
2188	Multi-scale convolutional neural network for texture recognition. Displays, 2022, 75, 102324.	3.7	1
2189	Robust Low-Rank Convolution Network for Image Denoising. , 2022, , .		5
2190	Application of attention-DnCNN for ESPI fringe patterns denoising. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2022, 39, 2110.	1.5	5
2191	EAGNet: A method for automatic extraction of agricultural greenhouses from high spatial resolution remote sensing images based on hybrid multi-attention. Computers and Electronics in Agriculture, 2022, 202, 107431.	7.7	10

#	ARTICLE	IF	CITATIONS
2192	Tool Wear Monitoring in Milling Based on Fine-Grained Image Classification of Machined Surface Images. <i>Sensors</i> , 2022, 22, 8416.	3.8	7
2193	A Fitting Recognition Approach Combining Depth-Attention YOLOv5 and Prior Synthetic Dataset. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 11122.	2.5	7
2194	Classification from Sky: A Robust Remote Sensing Time Series Image Classification Using Spatial Encoder and Multi-fast Channel Attention. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2022, , .	3.9	0
2195	BILLNET: A Binarized Conv3D-LSTM Network with Logic-gated residual architecture for hardware-efficient video inference. , 2022, , .		0
2196	Multi-signal feature fusion method with an attention mechanism for the $\hat{I}$ -OTDR event recognition system. <i>Optics Express</i> , 2022, 30, 42086.	3.4	2
2197	Localization of lung abnormalities on chest X-rays using self-supervised equivariant attention. <i>Biomedical Engineering Letters</i> , 0, , .	4.1	1
2198	A comparative study on neural networks for paroxysmal atrial fibrillation events detection from electrocardiography. <i>Journal of Electrocardiology</i> , 2022, 75, 19-27.	0.9	3
2199	Joint strong edge and multi-stream adaptive fusion network for non-uniform image deblurring. <i>Journal of Visual Communication and Image Representation</i> , 2022, 89, 103663.	2.8	0
2200	Waveform level adversarial example generation for joint attacks against both automatic speaker verification and spoofing countermeasures. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 116, 105469.	8.1	4
2201	Fast and accurate wheat grain quality detection based on improved YOLOv5. <i>Computers and Electronics in Agriculture</i> , 2022, 202, 107426.	7.7	11
2202	DAS weak signals recovery under condition of multiple complicated noise using CA-MSRNet. <i>Journal of Applied Geophysics</i> , 2022, 207, 104844.	2.1	1
2203	Accurate gait recognition with inertial sensors using a new FCN-BiLSTM architecture. <i>Computers and Electrical Engineering</i> , 2022, 104, 108428.	4.8	2
2204	An attention-based wide and deep CNN with dilated convolutions for detecting electricity theft considering imbalanced data. <i>Electric Power Systems Research</i> , 2023, 214, 108886.	3.6	7
2205	A one-stage deep learning method for fully automated mesiodens localization on panoramic radiographs. <i>Biomedical Signal Processing and Control</i> , 2023, 80, 104315.	5.7	3
2206	Wind turbine fault detection based on deep residual networks. <i>Expert Systems With Applications</i> , 2023, 213, 119102.	7.6	26
2207	A very lightweight and efficient image super-resolution network. <i>Expert Systems With Applications</i> , 2023, 213, 118898.	7.6	14
2208	P2Sharpen: A progressive pansharpening network with deep spectral transformation. <i>Information Fusion</i> , 2023, 91, 103-122.	19.1	18
2209	CosNAS: Enhancing estimation on cosmological parameters via neural architecture search. <i>New Astronomy</i> , 2023, 99, 101955.	1.8	1

#	ARTICLE	IF	CITATIONS
2210	CSwin-PNet: A CNN-Swin Transformer combined pyramid network for breast lesion segmentation in ultrasound images. Expert Systems With Applications, 2023, 213, 119024.	7.6	36
2215	VAMYOLOX: An Accurate and Efficient Object Detection Algorithm Based on Visual Attention Mechanism for UAV Optical Sensors. IEEE Sensors Journal, 2023, 23, 11139-11155.	4.7	5
2216	Semi-Supervised Adversarial Learning for Improving the Diagnosis of Pulmonary Nodules. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 109-120.	6.3	2
2217	Efficient Scattering Center Prediction Method for Targets With Coating Defects Through Deep Learning. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 5319-5331.	4.6	1
2218	A Lightweight Segmented Attention Network for Sleep Staging by Fusing Local Characteristics and Adjacent Information. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 238-247.	4.9	10
2219	Machine Learning for MRI Reconstruction. Advances in Magnetic Resonance Technology and Applications, 2022, , 281-323.	0.1	0
2220	Reg-SA“UNet++: A Lightweight Landslide Detection Network Based on Single-Temporal Images Captured Postlandslide. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 9746-9759.	4.9	8
2221	Two-Branch Attention Adversarial Domain Adaptation Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	32
2222	Remote Sensing Colorization Based on Bidirectional Macro-Micro Adaptive Enhancement Network. IEEE Access, 2022, 10, 121272-121286.	4.2	2
2223	DPCN: Dual Path Convolutional Network for“Single Image Deraining. Lecture Notes in Computer Science, 2022, , 310-324.	1.3	0
2224	Does Thermal Really Always Matter for RGB-T Salient Object Detection?. IEEE Transactions on Multimedia, 2023, 25, 6971-6982.	7.2	24
2225	An Attention Approach for Dimensionality Reduction That Can Correct Feature Collection Skewness. IEEE Access, 2022, 10, 117273-117280.	4.2	1
2226	MUGAN: Thermal Infrared Image Colorization Using Mixed-Skipping UNet and Generative Adversarial Network. IEEE Transactions on Intelligent Vehicles, 2023, 8, 2954-2969.	12.7	2
2227	Parameter-Efficient Person Re-Identification in the 3D Space. IEEE Transactions on Neural Networks and Learning Systems, 2024, , 1-14.	11.3	9
2228	MorphMLP: An Efficient MLP-Like Backbone for“Spatial-Temporal Representation Learning. Lecture Notes in Computer Science, 2022, , 230-248.	1.3	9
2229	Optimized S2E Attention Block based Convolutional Network for Human Pose Estimation. IEEE Access, 2022, 10, 111759-111771.	4.2	0
2230	SOCNet: A Lightweight and Fine-Grained Object Recognition Network for Satellite On-Orbit Computing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	6
2231	Gear Fault Diagnosis Under Variable Load Conditions Based on Acoustic Signals. IEEE Sensors Journal, 2022, 22, 22344-22355.	4.7	3

#	ARTICLE	IF	CITATIONS
2232	Incremental Cluster Validity Index-Guided Online Learning for Performance and Robustness to Presentation Order. IEEE Transactions on Neural Networks and Learning Systems, 2022, , 1-0.	11.3	2
2233	Improved Model Based on GoogLeNet and Residual Neural Network ResNet. International Journal of Cognitive Informatics and Natural Intelligence, 2022, 16, 1-19.	0.4	2
2234	A Decoupled Head and Coordinate Attention Detection Method for Ship Targets in SAR Images. IEEE Access, 2022, 10, 128562-128578.	4.2	5
2235	Deep Learning-Based Venous Gas Emboli Grade Classification in Doppler Ultrasound Audio Recordings. IEEE Transactions on Biomedical Engineering, 2023, 70, 1436-1446.	4.2	1
2236	An end-to-end model for ECG signals classification based on residual attention network. Biomedical Signal Processing and Control, 2023, 80, 104369.	5.7	0
2237	Luminance-Guided Chrominance Image Enhancement for HEVC Intra Coding. , 2022, , .		1
2238	Pulmonary Nodule Detection Based on RPN with Squeeze&Excitation Block. , 2022, , .		0
2239	Underwater Object Detection Based on Improved SSD with Convolutional Block Attention. , 2022, , .		3
2240	Segmentation of Ship Satellite Images with Transfer Learning and Attention Mechanism. , 2022, , .		0
2241	Research on Smoke Detection Model Based on Improved YOLOv4. , 2022, , .		0
2242	Novel Dynamic Feature Fusion Strategy for Detection of Small Underwater Marine Object. , 2022, , .		2
2243	A Fault Diagnosis Method for Rotating Machinery Based on Compressed Sensing and Deep Convolutional Neural Network with SE Block. , 2022, , .		0
2244	An Improved Faster R-CNN Method for Car Front Detection. , 2022, , .		0
2245	Efficient Ultrasound Image Enhancement Using Lightweight CNNs. , 2022, , .		1
2246	A novel multi-scale 2D CNN with weighted focal loss for arrhythmias detection on varying-dimensional ECGs. Physiological Measurement, 2022, 43, 104003.	2.1	1
2247	Remaining useful life prediction of rotating machinery based on a multi-scale separable convolutional network. , 2022, , .		0
2248	EBE-YOLOv4: A lightweight detecting model for pine cones in forest. Frontiers in Plant Science, 0, 13, .	3.6	0
2249	MHAU-Net: Skin Lesion Segmentation Based on Multi-Scale Hybrid Residual Attention Network. Sensors, 2022, 22, 8701.	3.8	4

#	ARTICLE	IF	CITATIONS
2250	Target-aware U-Net with fuzzy skip connections for refined pancreas segmentation. Applied Soft Computing Journal, 2022, 131, 109818.	7.2	7
2251	Insulated Gate Bipolar Transistor Solder Layer Defect Detection Research Based on Improved YOLOv5. Applied Sciences (Switzerland), 2022, 12, 11469.	2.5	1
2252	A Deep Learning-Based Cascade Automatic Classification System for Malignant Thyroid Nodule Recognition in Ultrasound Image. Journal of Physics: Conference Series, 2022, 2363, 012029.	0.4	0
2253	Surface roughness prediction of aircraft after coating removal based on optical image and deep learning. Scientific Reports, 2022, 12, .	3.3	2
2254	A Multi-Object Detection Method Based on Adaptive Feature Adjustment of 3D Point Cloud in Indoor Scenes. International Journal of Pattern Recognition and Artificial Intelligence, 0, , .	1.2	1
2255	Video Super-Resolution Method Using Deformable Convolution-Based Alignment Network. Sensors, 2022, 22, 8476.	3.8	2
2256	Intelligent injury prediction for traumatic airway obstruction. Medical and Biological Engineering and Computing, 0, , .	2.8	0
2257	DWSC-YOLO: A Lightweight Ship Detector of SAR Images Based on Deep Learning. Journal of Marine Science and Engineering, 2022, 10, 1699.	2.6	4
2258	Attention-Based Background/Foreground Monocular Depth Prediction Model Using Image Segmentation. Applied Sciences (Switzerland), 2022, 12, 11186.	2.5	1
2259	Pyramid Attention Based Early Forest Fire Detection Using UAV Imagery. Journal of Physics: Conference Series, 2022, 2363, 012021.	0.4	4
2260	Feature Pyramid U-Net with Attention for Semantic Segmentation of Forward-Looking Sonar Images. Sensors, 2022, 22, 8468.	3.8	3
2261	Fabric Surface Defect Detection Using SE-SSDNet. Symmetry, 2022, 14, 2373.	2.2	2
2262	Spermâ€œcell <sc>DNA</sc> fragmentation prediction using labelâ€œfree quantitative phase imaging and deep learning. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2023, 103, 470-478.	1.5	5
2263	Insulator-Defect Detection Algorithm Based on Improved YOLOv7. Sensors, 2022, 22, 8801.	3.8	34
2264	Automatic segmentation of the gross target volume in radiotherapy for lung cancer using transresSEUnet 2.5D Network. Journal of Translational Medicine, 2022, 20, .	4.4	3
2265	Video Action Recognition Using Motion and Multi-View Excitation with Temporal Aggregation. Entropy, 2022, 24, 1663.	2.2	1
2266	Dental Lesion Segmentation Using an Improved ICNet Network with Attention. Micromachines, 2022, 13, 1920.	2.9	2
2267	Multi-surface defect detection for universal joint bearings via multimodal feature and deep transfer learning. International Journal of Production Research, 2023, 61, 4402-4418.	7.5	4

#	ARTICLE	IF	CITATIONS
2269	Accurate cotton diseases and pests detection in complex background based on an improved YOLOX model. Computers and Electronics in Agriculture, 2022, 203, 107484.	7.7	14
2270	Cross attention guided multi-scale feature fusion for false-positive reduction in pulmonary nodule detection. Computers in Biology and Medicine, 2022, 151, 106302.	7.0	1
2271	FINet: A Feature Interaction Network for SAR Ship Object-Level and Pixel-Level Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	6
2272	Spatial Consistency and Feature Diversity Regularization in Transfer Learning for Fine-Grained Visual Categorization. , 2022, , .		0
2273	Improved V-Net lung nodule segmentation method based on selective kernel. Signal, Image and Video Processing, 2023, 17, 1763-1774.	2.7	1
2274	Scene Level Image Classification: A Literature Review. Neural Processing Letters, 2023, 55, 2471-2520.	3.2	1
2276	Research on Intelligent Robot Point Cloud Grasping in Internet of Things. Micromachines, 2022, 13, 1999.	2.9	2
2277	Soybean Seedling Root Segmentation Using Improved U-Net Network. Sensors, 2022, 22, 8904.	3.8	3
2279	Cov-TransNet: Dual branch fusion network with transformer for COVID-19 infection segmentation. Biomedical Signal Processing and Control, 2023, 80, 104366.	5.7	8
2280	Simplified Nonlocal Network Based on Adaptive Projection Attention Method for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	2
2281	An attention-based feature pyramid network for single-stage small object detection. Multimedia Tools and Applications, 2023, 82, 18529-18544.	3.9	2
2285	Sleep Staging Framework with Physiologically Harmonized Sub-Networks. Methods, 2023, 209, 18-28.	3.8	1
2286	Image Deblurring Based on Aggregate Residual Adversary Networks. Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics, 2022, 34, 84-93.	0.2	0
2287	Illumination Analysis of Deep Face Recognition. Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics, 2022, 34, 74-83.	0.2	1
2288	Ship Detection in SAR Images Based on Adjacent Context Guide Fusion Module and Dense Weighted Skip Connection. IEEE Access, 2022, 10, 134263-134276.	4.2	2
2289	Animal Pose Estimation Algorithm Based on the Lightweight Stacked Hourglass Network. IEEE Access, 2023, 11, 5314-5327.	4.2	0
2290	PUPA-GAN: A Frequency-Aware Generative Adversarial Network for 3D Point Cloud Upsampling. IEEE Transactions on Image Processing, 2022, 31, 7389-7402.	9.8	45
2291	HLF-Net: Pansharpening Based on High- and Low-Frequency Fusion Networks. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2

#	ARTICLE	IF	CITATION
2292	Electrical Insulator Surface Condition Analysis Based on Joint Fully Convolutional and Multiscale Spatial Pooling Attention Network. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-11.	4.7	1
2293	Smart Clothing System With Multiple Sensors Based on Digital Twin Technology. IEEE Internet of Things Journal, 2023, 10, 6377-6387.	8.7	3
2294	GoogLeNet based on residual network and attention mechanism identification of rice leaf diseases. Computers and Electronics in Agriculture, 2023, 204, 107543.	7.7	31
2295	A multi-kernel channel attention combined with convolutional neural network to identify spectral information for tracing the origins of rice samples. Analytical Methods, 2023, 15, 179-186.	2.7	3
2296	Improved accuracy of auto-segmentation of organs at risk in radiotherapy planning for nasopharyngeal carcinoma based on fully convolutional neural network deep learning. Oral Oncology, 2023, 136, 106261.	1.5	4
2297	$\frac{C}{d} = \frac{BA-UNet}{context-coordination}$ BA-UNet: A context-coordination multi-atlas boundary-aware UNet-like method for PET/CT images based tumor segmentation. Computerized Medical Imaging and Graphics, 2023, 103, 102159.	5.8	2
2298	Multicascaded Feature Fusion-Based Deep Learning Network for Local Climate Zone Classification Based on the So2Sat LCZ42 Benchmark Dataset. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 449-467.	4.9	4
2299	SNCF-Net: Scale-aware neighborhood correlation feature network for hotspot defect detection of photovoltaic farms. Measurement: Journal of the International Measurement Confederation, 2023, 206, 112342.	5.0	5
2300	Three-classification face manipulation detection using attention-based feature decomposition. Computers and Security, 2023, 125, 103024.	6.0	1
2301	An improved 3-D attention CNN with hybrid loss and feature fusion for pulmonary nodule classification. Computer Methods and Programs in Biomedicine, 2023, 229, 107278.	4.7	4
2302	Recognition of gangues from color images using convolutional neural networks with attention mechanism. Measurement: Journal of the International Measurement Confederation, 2023, 206, 112273.	5.0	5
2303	Multi-Scale and spatial position-based channel attention network for crowd counting. Journal of Visual Communication and Image Representation, 2023, 90, 103718.	2.8	4
2304	Channel attention generative adversarial network for super-resolution of glioma magnetic resonance image. Computer Methods and Programs in Biomedicine, 2023, 229, 107255.	4.7	4
2305	Bayesian-optimized deep learning model to segment deterioration patterns underneath bridge decks photographed by unmanned aerial vehicle. Automation in Construction, 2023, 146, 104666.	9.8	7
2306	2C2S: A two-channel and two-stream transformer based framework for offline signature verification. Engineering Applications of Artificial Intelligence, 2023, 118, 105639.	8.1	11
2307	Convolutional neural network based anatomical site identification for laryngoscopy quality control: A multicenter study. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2023, 44, 103695.	1.3	0
2308	Landslide susceptibility mapping and dynamic response along the Sichuan-Tibet transportation corridor using deep learning algorithms. Catena, 2023, 222, 106866.	5.0	22
2309	DfE-Net: Dual-branch feature extraction network for Enhanced segmentation in skin lesion. Biomedical Signal Processing and Control, 2023, 81, 104423.	5.7	5

#	ARTICLE	IF	CITATIONS
2310	Coarse-to-fine feature representation based on deformable partition attention for melanoma identification. Pattern Recognition, 2023, 136, 109247.	8.1	2
2311	Enhanced Frequency Fusion Network with Dynamic Hash Attention for image denoising. Information Fusion, 2023, 92, 420-434.	19.1	4
2312	An adaptive frame selection network with enhanced dilated convolution for video smoke recognition. Expert Systems With Applications, 2023, 215, 119371.	7.6	10
2313	Lightweight Multiscale Convolutional Networks With Adaptive Pruning for Intelligent Fault Diagnosis of Train Bogie Bearings in Edge Computing Scenarios. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-13.	4.7	20
2314	Multiscale Feature Enhancement Network for Salient Object Detection in Optical Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19.	6.3	60
2315	Few-Shot PCB Surface Defect Detection Based on Feature Enhancement and Multi-Scale Fusion. IEEE Access, 2022, 10, 129911-129924.	4.2	2
2316	DLBLS_SS: protein secondary structure prediction using deep learning and broad learning system. RSC Advances, 2022, 12, 33479-33487.	3.6	4
2317	A Novel Cross-Scale Octave Network for Hyperspectral and Multispectral Image Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	10
2318	Use of Affective Visual Information for Summarization of Human-Centric Videos. IEEE Transactions on Affective Computing, 2023, 14, 3135-3148.	8.3	1
2319	Rethinking Degradation: Radiograph Super-Resolution via AID-SRGAN. Lecture Notes in Computer Science, 2022, , 43-52.	1.3	4
2320	JAMSNet: A Remote Pulse Extraction Network Based on Joint Attention and Multi-Scale Fusion. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 2783-2797.	8.3	27
2321	MM-RCNN: Toward Few-Shot Object Detection in Remote Sensing Images With Meta Memory. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	14
2322	Full Semantic Constructed Network for Urban Use Classification from Very High-resolution Optical Remote Sensing Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2022, , 1-1.	6.3	0
2323	Semantic Segmentation based on Spatial Pyramid Pooling and Multi-layer Feature Fusion. IEEE Transactions on Cognitive and Developmental Systems, 2022, , 1-1.	3.8	0
2324	Unsupervised Denoising for Super-Resolution (UDSR) of Real-World Images. IEEE Access, 2022, 10, 122329-122346.	4.2	0
2325	TMM-Nets: Transferred Multi- to Mono-Modal Generation for Lupus Retinopathy Diagnosis. IEEE Transactions on Medical Imaging, 2023, 42, 1083-1094.	8.9	4
2326	Camouflage Target Segmentation Algorithm Using Multi-Scale Feature Extraction and Multi-Level Attention Mechanism. Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics, 2022, 34, 683-692.	0.2	1
2327	An Efficient Multi-view 3D Object Recognition Mechanism for Distributed Edge Devices. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2328	Feature Aggregation in Zero-Shot Cross-Lingual Transfer Using Multilingual BERT. , 2022, , .		0
2329	Cross-Guided Feature Fusion with Intra-Modality Reweighting for Multi-Spectral Pedestrian Detection. , 2022, , .		0
2330	NL-FCOS: Improving FCOS through Non-Local Modules for Object Detection. , 2022, , .		0
2331	A Light Model for Corrosion Segmentation with Multi-Scale Information and CRF. , 2022, , .		0
2332	Hybrid Adaptive Enhanced Network for Single Image Super Resolution. , 2022, , .		0
2333	Environmental Sound Detection based on Acoustic Multidimensional Synergistic Features and MobileNet-EAL. , 2022, , .		1
2334	Weighted split-flow network auxiliary with hierarchical multitasking for urban land use classification of high-resolution remote sensing images. International Journal of Remote Sensing, 2022, 43, 6721-6740.	2.9	4
2335	Task Adaptive Modeling for Few-shot Action Recognition. , 2022, , .		0
2336	Insulator Defect Detection Based on Feature Fusion and Attention Mechanism. , 2022, , .		0
2337	Improved Angle Steel Character Detection Algorithm Based on DBNet. , 2022, 3, 64-69.		0
2338	A Multiscale Lightweight and Efficient Model Based on YOLOv7: Applied to Citrus Orchard. Plants, 2022, 11, 3260.	3.5	44
2339	Multi-Growth Period Tomato Fruit Detection Using Improved YOLOv5. International Journal of Robotics and Automation Technology, 0, 9, 44-55.	0.2	0
2340	FAD-Net: Fake Images Detection and Generalization Based on Frequency Domain Transformation. , 2022, , .		0
2341	Fabric surface defect recognition based on multibranch residual network. Journal of Electronic Imaging, 2022, 31, .	0.9	0
2342	Hyperspectral Image Classification Based on 3D Calibrated Attention. Lecture Notes in Electrical Engineering, 2023, , 216-225.	0.4	0
2343	Research on intelligent detection of pavement damage based on CNN. Mathematical Models in Engineering, 0, , .	0.4	0
2344	A Two-Level Cascade Detection Algorithm for X-Band Marine Radar. , 2022, , .		0
2345	Stacking Ensemble and ECA-EfficientNetV2 Convolutional Neural Networks on Classification of Multiple Chest Diseases Including COVID-19. Academic Radiology, 2023, 30, 1915-1935.	2.5	10

#	ARTICLE	IF	CITATIONS
2346	SE-1DCNN-LSTM: A Deep Learning Framework for EEG-Based Automatic Diagnosis of Major Depressive Disorder and Bipolar Disorder. Communications in Computer and Information Science, 2023, , 60-72.	0.5	0
2347	YOLO-DFAN: Effective High-Altitude Safety Belt Detection Network. Future Internet, 2022, 14, 349.	3.8	4
2348	Detection Method of Fry Feeding Status Based on YOLO Lightweight Network by Shallow Underwater Images. Electronics (Switzerland), 2022, 11, 3856.	3.1	2
2349	Blur Detection for Surveillance Camera System. , 2022, , .		1
2351	TSHVNet: Simultaneous Nuclear Instance Segmentation and Classification in Histopathological Images Based on Multiattention Mechanisms. BioMed Research International, 2022, 2022, 1-17.	1.9	3
2352	A weld feature points detection method based on improved YOLO for welding robots in strong noise environment. Signal, Image and Video Processing, 2023, 17, 1801-1809.	2.7	3
2353	An Intelligent Waste-Sorting and Recycling Device Based on Improved EfficientNet. International Journal of Environmental Research and Public Health, 2022, 19, 15987.	2.6	7
2354	TC-SKNet with GridMask for Low-complexity Classification of Acoustic scene. , 2022, , .		1
2355	Classification of retinopathy of prematurity based on mixed attention. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering, 2022, 39, 701-708.	0.2	0
2356	A Human Body Infrared Image Recognition Approach via DCA-Net Deep Learning Models. International Journal on Artificial Intelligence Tools, 0, , .	1.0	0
2357	DMFF-Net: Densely Macroscopic Feature Fusion Network for Fast Magnetic Resonance Image Reconstruction. Electronics (Switzerland), 2022, 11, 3862.	3.1	1
2358	A Multi-Scale Feature Pyramid Network for Detection and Instance Segmentation of Marine Ships in SAR Images. Remote Sensing, 2022, 14, 6312.	4.0	13
2359	Unbalanced fault diagnosis of rolling bearings using transfer adaptive boosting with squeeze-and-excitation attention convolutional neural network. Measurement Science and Technology, 2023, 34, 044006.	2.6	4
2360	Deep learning-based age estimation from chest X-rays indicates cardiovascular prognosis. Communications Medicine, 2022, 2, .	4.2	11
2361	Automatic detection and diagnosis of thyroid ultrasound images based on attention mechanism. Computers in Biology and Medicine, 2023, 155, 106468.	7.0	2
2362	Instance segmentation using semi-supervised learning for fire recognition. Heliyon, 2022, 8, e12375.	3.2	4
2363	An Anchor-Free Detection Algorithm for SAR Ship Targets with Deep Saliency Representation. Remote Sensing, 2023, 15, 103.	4.0	5
2364	An enhanced spatiotemporal fusion model with degraded fine-resolution images via relativistic generative adversarial networks. Geocarto International, 2023, 38, .	3.5	1

#	ARTICLE	IF	CITATIONS
2365	Attention mechanism combined with residual recurrent neural network for sound event detection and localization. <i>Eurasip Journal on Audio, Speech, and Music Processing</i> , 2022, 2022, .	2.1	1
2366	A bearing fault diagnosis method for high-noise and unbalanced dataset. <i>Smart and Resilient Transportation</i> , 2022, ahead-of-print, .	2.1	1
2367	Interpretable laryngeal tumor grading of histopathological images via depth domain adaptive network with integration gradient CAM and priori experience-guided attention. <i>Computers in Biology and Medicine</i> , 2023, 154, 106447.	7.0	12
2368	Computer-aided diagnosis system based on multiscale feature fusion for screening large-scale gastrointestinal diseases. <i>Journal of Computational Design and Engineering</i> , 0, , .	3.1	0
2369	BloodNet: An attention-based deep network for accurate, efficient, and costless bloodstain time since deposition inference. <i>Briefings in Bioinformatics</i> , 0, , .	6.5	0
2370	A Multiorder Attentional Spatial Interactive Convolutional Neural Network (MoAS-CNN) for Low-Resolution Haptic Recognition. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12715.	2.5	1
2372	Image Segmentation Method for Sweetgum Leaf Spots Based on an Improved DeeplabV3+ Network. <i>Forests</i> , 2022, 13, 2095.	2.1	6
2373	MLA-Net: Feature Pyramid Network with Multi-Level Local Attention for Object Detection. <i>Mathematics</i> , 2022, 10, 4789.	2.2	1
2374	LDNet: low-light image enhancement with joint lighting and denoising. <i>Machine Vision and Applications</i> , 2023, 34, .	2.7	1
2375	Emotion Recognition on EEG Signal Using ResNeXt Attention 2D-3D Convolution Neural Networks. <i>Neural Processing Letters</i> , 0, , .	3.2	2
2376	Petrochemical Equipment Detection by Improved Yolov5 with Multiscale Deep Feature Fusion and Attention Mechanism. <i>Journal of Electrical and Computer Engineering</i> , 2022, 2022, 1-13.	0.9	2
2377	Fire situation detection method for unmanned fire-fighting vessel based on coordinate attention structure-based deep learning network. <i>Ocean Engineering</i> , 2022, 266, 113208.	4.3	6
2378	Programming ability prediction: Applying an attention-based convolutional neural network to functional near-infrared spectroscopy analyses of working memory. <i>Frontiers in Neuroscience</i> , 0, 16, .	2.8	0
2379	A fault diagnosis method for rotating machinery with variable speed based on multi-feature fusion and improved ShuffleNet V2. <i>Measurement Science and Technology</i> , 2023, 34, 035110.	2.6	3
2380	Noninvasive neuroimaging and spatial filter transform enable ultra low delay motor imagery EEG decoding. <i>Journal of Neural Engineering</i> , 2022, 19, 066034.	3.5	1
2381	Deeply supervised vestibule segmentation network for CT images with global context-aware pyramid feature extraction. <i>IET Image Processing</i> , 0, , .	2.5	0
2382	RAMRU-CAM: Residual-Atrous MultiResUnet with Channel Attention Mechanism for cell segmentation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022, , 1-19.	1.4	0
2383	Ship Recognition for SAR Scene Images under Imbalance Data. <i>Remote Sensing</i> , 2022, 14, 6294.	4.0	3

#	ARTICLE	IF	CITATIONS
2384	A mucosal recovery software tool for endoscopic submucosal dissection in early gastric cancer. <i>Frontiers in Medicine</i> , 2022, 9, .	2.6	0
2385	A New Method of Pedestrian Abnormal Behavior Detection Based on Attention Guidance. <i>Advances in Multimedia</i> , 2022, 2022, 1-20.	0.4	0
2386	Feasibility of intelligent drug control in the maintenance phase of general anesthesia based on convolutional neural network. <i>Heliyon</i> , 2023, 9, e12481.	3.2	1
2387	Multi-Stage attention network for monaural speech enhancement. <i>IET Signal Processing</i> , 2023, 17, .	1.5	1
2388	Unboxing the Black Box of Attention Mechanisms in Remote Sensing Big Data Using XAI. <i>Remote Sensing</i> , 2022, 14, 6254.	4.0	5
2389	Dual-Branch Attention-Assisted CNN for Hyperspectral Image Classification. <i>Remote Sensing</i> , 2022, 14, 6158.	4.0	6
2390	Intelligent identification and classification of sewer pipeline network defects based on improved RegNetY network. <i>Journal of Civil Structural Health Monitoring</i> , 2023, 13, 547-560.	3.9	2
2391	Multi-scale and attention enhanced graph convolution network for skeleton-based violence action recognition. <i>Frontiers in Neurorobotics</i> , 2023, 16, .	2.8	0
2392	HiGNN: A Hierarchical Informative Graph Neural Network for Molecular Property Prediction Equipped with Feature-Wise Attention. <i>Journal of Chemical Information and Modeling</i> , 2023, 63, 43-55.	5.4	9
2393	Trustworthy Breast Ultrasound Image Semantic Segmentation Based on Fuzzy Uncertainty Reduction. <i>Healthcare (Switzerland)</i> , 2022, 10, 2480.	2.0	0
2395	Pattern recognition of topologically associating domains using deep learning. <i>BMC Bioinformatics</i> , 2021, 22, .	2.6	0
2396	MAGNet: A Camouflaged Object Detection Network Simulating the Observation Effect of a Magnifier. <i>Entropy</i> , 2022, 24, 1804.	2.2	1
2397	MPFINet: A Multilevel Parallel Feature Injection Network for Panchromatic and Multispectral Image Fusion. <i>Remote Sensing</i> , 2022, 14, 6118.	4.0	0
2398	Semantic segmentation for remote sensing images based on an AD-HRNet model. <i>International Journal of Digital Earth</i> , 2022, 15, 2376-2399.	3.9	4
2399	Soft measurement of oil-water two-phase flow using a multi-task sequence-based CapsNet. <i>ISA Transactions</i> , 2022, .	5.7	0
2400	Pulmonary nodule detection based on IR-UNet++. <i>Medical and Biological Engineering and Computing</i> , 2023, 61, 485-495.	2.8	6
2401	A Dual Self-Attention mechanism for vehicle re-Identification. <i>Pattern Recognition</i> , 2023, 137, 109258.	8.1	11
2402	Stress-strain-based crack damage detection of composite structures using selective kernel convolutional networks and continuous wavelet transform. <i>Structural Health Monitoring</i> , 2023, 22, 2785-2799.	7.5	2

#	ARTICLE	IF	CITATIONS
2403	Identification of Corrosion on the Inner Walls of Water Pipes Using a VGG Model Incorporating Attentional Mechanisms. Applied Sciences (Switzerland), 2022, 12, 12731.	2.5	0
2404	High Precision Feature Fast Extraction Strategy for Aircraft Attitude Sensor Fault Based on RepVGG and SENet Attention Mechanism. Sensors, 2022, 22, 9662.	3.8	5
2409	Intelligent grading method for walnut kernels based on deep learning and physiological indicators. Frontiers in Nutrition, 0, 9, .	3.7	2
2410	Surface Defect Detection of Steel Strip with Double Pyramid Network. Applied Sciences (Switzerland), 2023, 13, 1054.	2.5	2
2411	Dual Residual Denoising Autoencoder with Channel Attention Mechanism for Modulation of Signals. Sensors, 2023, 23, 1023.	3.8	5
2412	Efficient Facial Expression Recognition With Representation Reinforcement Network and Transfer Self-Training for Human–Machine Interaction. IEEE Transactions on Industrial Informatics, 2023, 19, 9943-9952.	11.3	7
2413	Catch Recognition in Automated American Football Training Using Machine Learning. Sensors, 2023, 23, 840.	3.8	0
2414	Attention Mechanism for Classification of Melanomas. Communications in Computer and Information Science, 2022, , 65-77.	0.5	0
2415	A Channel-Based Attention Deep Semantic Segmentation Model for the Extraction of Multi-type Solar Photovoltaic Arrays from Large-Scale Orthorectified UAV RGB Imagery. Lecture Notes in Networks and Systems, 2023, , 421-429.	0.7	0
2416	A Spatiotemporal Channel Attention Residual Network With Extended Series Mean Amplitude Spectrum for Epilepsy Detection. IEEE Transactions on Cognitive and Developmental Systems, 2023, 15, 1783-1794.	3.8	1
2417	Plant Disease Classification and Adversarial Attack Using SimAM-EfficientNet and GP-MI-FGSM. Sustainability, 2023, 15, 1233.	3.2	11
2418	Reliable and stable fundus image registration based on brain-inspired spatially-varying adaptive pyramid context aggregation network. Frontiers in Neuroscience, 0, 16, .	2.8	0
2419	Integration of improved YOLOv5 for face mask detector and auto-labeling to generate dataset for fighting against COVID-19. Journal of Supercomputing, 2023, 79, 8966-8992.	3.6	12
2420	Toward Effective Personalized Service QoS Prediction From the Perspective of Multi-Task Learning. IEEE Transactions on Network and Service Management, 2023, 20, 2587-2597.	4.9	0
2421	Identification of Coal and Gangue Based on a Lightweight Network Model. Smart Innovation, Systems and Technologies, 2023, , 369-384.	0.6	0
2422	Real-time determination of flowering period for field wheat based on improved YOLOv5s model. Frontiers in Plant Science, 0, 13, .	3.6	1
2423	Automatic identification of conodont species using fine-grained convolutional neural networks. Frontiers in Earth Science, 0, 10, .	1.8	1
2424	Class Subdomain Adaptation Network for Bearing Fault Diagnosis Under Variable Working Conditions. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-17.	4.7	0

#	ARTICLE	IF	CITATIONS
2425	Differentiated Attention Guided Network Over Hierarchical and Aggregated Features for Intelligent UAV Surveillance. IEEE Transactions on Industrial Informatics, 2023, 19, 9909-9920.	11.3	5
2426	A deep learning semantic segmentation network with attention mechanism for concrete crack detection. Structural Health Monitoring, 2023, 22, 3006-3026.	7.5	7
2427	Gender Transformation Model of Face Image Based on Improved MUNIT. Hans Journal of Data Mining, 2023, 13, 23-35.	0.1	0
2428	Receptive-Field and Direction Induced Attention Network for Infrared Dim Small Target Detection With a Large-Scale Dataset IRDST. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.3	11
2429	Research on Edge Detection Model of Insulators and Defects Based on Improved YOLOv4-tiny. Machines, 2023, 11, 122.	2.2	0
2430	3D multi-view squeeze-and-excitation convolutional neural network for lung nodule classification. Medical Physics, 2023, 50, 1905-1916.	3.0	2
2431	An attention-based deep learning network for lung nodule malignancy discrimination. Frontiers in Neuroscience, 0, 16, .	2.8	1
2432	Memory Storable Network Based Feature Aggregation for Speaker Representation Learning. IEEE/ACM Transactions on Audio Speech and Language Processing, 2023, 31, 643-655.	5.8	1
2433	Low-Rank Constrained Attention-Enhanced Multiple Spatial-Spectral Feature Fusion for Small Sample Hyperspectral Image Classification. Remote Sensing, 2023, 15, 304.	4.0	2
2434	Cascaded information enhancement and cross-modal attention feature fusion for multispectral pedestrian detection. Frontiers in Physics, 0, 11, .	2.1	2
2435	Fusion of hyperspectral imaging (HSI) and RGB for identification of soybean kernel damages using ShuffleNet with convolutional optimization and cross stage partial architecture. Frontiers in Plant Science, 0, 13, .	3.6	1
2436	Feature-Fusion Segmentation Network for Landslide Detection Using High-Resolution Remote Sensing Images and Digital Elevation Model Data. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.3	7
2437	Topologically preserved registration of 3D CT images with deep networks. Physics in Medicine and Biology, 0, , .	3.0	0
2438	Pixel-Wise Grasp Pose Detection Based on Hierarchical Network. Computer Science and Application, 2023, 13, 72-82.	0.1	0
2439	KCFS-YOLOv5: A High-Precision Detection Method for Object Detection in Aerial Remote Sensing Images. Applied Sciences (Switzerland), 2023, 13, 649.	2.5	11
2440	CACPU-Net: Channel attention U-net constrained by point features for crop type mapping. Frontiers in Plant Science, 0, 13, .	3.6	2
2441	A Neural Network-Based Partial Fingerprint Image Identification Method for Crime Scenes. Applied Sciences (Switzerland), 2023, 13, 1188.	2.5	2
2442	NAUNet: lightweight retinal vessel segmentation network with nested connections and efficient attention. Multimedia Tools and Applications, 2023, 82, 25357-25379.	3.9	3

#	ARTICLE	IF	CITATIONS
2443	Research on Plant Species Identification Based on Improved Convolutional Neural Network. <i>Phyton</i> , 2023, 92, 1037-1058.	0.7	1
2444	Learning an attention-aware parallel sharing network for facial attribute recognition. <i>Journal of Visual Communication and Image Representation</i> , 2023, 90, 103745.	2.8	2
2445	In-field classification of the asymptomatic biotrophic phase of potato late blight based on deep learning and proximal hyperspectral imaging. <i>Computers and Electronics in Agriculture</i> , 2023, 205, 107585.	7.7	11
2446	A residual convolutional neural network with multi-block for appliance recognition in non-intrusive load identification. <i>Energy and Buildings</i> , 2023, 281, 112749.	6.7	12
2447	An accurate and adaptable deep learning-based solution to floating litter cleaning up and its effectiveness on environmental recovery. <i>Journal of Cleaner Production</i> , 2023, 388, 135816.	9.3	2
2448	Fast instruments and tissues segmentation of micro-neurosurgical scene using high correlative non-local network. <i>Computers in Biology and Medicine</i> , 2023, 153, 106531.	7.0	1
2449	3D SAACNet with GBM for the classification of benign and malignant lung nodules. <i>Computers in Biology and Medicine</i> , 2023, 153, 106532.	7.0	5
2450	Building change detection using the parallel spatial-channel attention block and edge-guided deep network. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2023, 117, 103180.	1.9	3
2451	Semantic segmentation of water bodies in very high-resolution satellite and aerial images. <i>Remote Sensing of Environment</i> , 2023, 287, 113452.	11.0	20
2452	An attention-based deep learning approach for inertial motion recognition and estimation in human-robot collaboration. <i>Journal of Manufacturing Systems</i> , 2023, 67, 97-110.	13.9	10
2453	A new two-stream network based on feature separation and complementation for ultrasound image segmentation. <i>Biomedical Signal Processing and Control</i> , 2023, 82, 104567.	5.7	2
2454	Knowledge aggregation networks for class incremental learning. <i>Pattern Recognition</i> , 2023, 137, 109310.	8.1	10
2455	CSGSA-Net: Canonical-structured graph sparse attention network for fetal ECG estimation. <i>Biomedical Signal Processing and Control</i> , 2023, 82, 104556.	5.7	7
2456	A lightweight network for smoke semantic segmentation. <i>Pattern Recognition</i> , 2023, 137, 109289.	8.1	7
2457	Artificial Intelligence-Assisted Diagnosis of Anterior Cruciate Ligament Tears From Magnetic Resonance Images: Algorithm Development and Validation Study. , 2022, 1, e37508.		0
2458	Driver Distraction Recognition Based on CBAM Attention Mechanism. , 2022, , .		0
2459	Remote sensing image segmentation of ground objects based on improved Deeplabv3+. , 2022, , .		1
2460	Method of Obtaining OD Matrix for Bus Passenger Flow Based on Pedestrian Re-identification Algorithm. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
2461	Hourglass Dehazing Network Based on Multi-scale Parallel Fusion. , 2022, , .		0
2462	MAPFASTER: A Faster and Simpler take on Multi-Agent Path Finding Algorithm Selection. , 2022, , .		0
2463	Research on Ground Cloud Image Segmentation Technology Based on Bilateral Feature Fusion. , 2022, , .		0
2464	Semantic Segmentation Based Rain and Fog Filtering Only by LiDAR Point Clouds. , 2022, , .		1
2465	Remote Sensing Object Detection Based on Improved YOLOv3. , 2022, , .		0
2466	Attention-Based Deep Driving Model for Autonomous Vehicles with Surround-View Cameras. , 2022, , .		0
2467	Detection of Dense Crowd based on Optimized YOLOv3 Algorithm. , 2022, , .		0
2468	Analysis of Interaction Grouping Modeling Fusion Group Behavior Recognition Algorithm. , 2022, 4, 149-153.		0
2469	Arbitrary Style Transfer with Semantic Content Enhancement. , 2022, , .		0
2470	Design of Intelligent Detection Platform for Wine Grape Pests and Diseases in Ningxia. Plants, 2023, 12, 106.	3.5	0
2471	Wafer Surface Defect Detection Based on Feature Enhancement and Predicted Box Aggregation. Electronics (Switzerland), 2023, 12, 76.	3.1	0
2472	CGPG-GAN: An Acne Lesion Inpainting Model for Boosting Downstream Diagnosis. , 2022, , .		4
2473	Identification of Defective Maize Seeds Using Hyperspectral Imaging Combined with Deep Learning. Foods, 2023, 12, 144.	4.3	7
2474	Random Dynamic Load Identification with Noise for Aircraft via Attention Based 1D-CNN. Aerospace, 2023, 10, 16.	2.2	1
2475	Texture-aware Network for Smoke Density Estimation. , 2022, , .		0
2476	A Fault Diagnosis Model for Complex Industrial Process Based on Improved TCN and 1D CNN. Wuhan University Journal of Natural Sciences, 2022, 27, 453-464.	0.4	1
2477	Automatic Detection of Weld Defects in Pressure Vessel X-Ray Image Based on CNN. Wuhan University Journal of Natural Sciences, 2022, 27, 489-498.	0.4	1
2478	Acne Severity Grading on Face Images via Extraction and Guidance of Prior Knowledge. , 2022, , .		3

#	ARTICLE	IF	CITATIONS
2479	LeFUNet: UNet with Learnable Feature Connections for Teeth Identification and Segmentation in Dental Panoramic X-ray Images. , 2022, , .		1
2480	Attention Res-UNet. International Journal of Decision Support System Technology, 2022, 15, 1-17.	0.7	1
2481	Intelligent Blockage Recognition using Cellular mmWave Beamforming Data: Feasibility Study. , 2022, , .		1
2482	A multiscale convolution neural network for bearing fault diagnosis based on frequency division denoising under complex noise conditions. Complex & Intelligent Systems, 2023, 9, 4263-4285.	6.5	2
2483	MSMA-Net: A Multi-scale Multidirectional Adaptation Network for Polyp Segmentation. , 2022, , .		2
2484	Intelligent diagnosis method of bearing fault based on ICEEMDAN and Ghost-IRCNN. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622211443.	2.1	4
2485	Shear-Wave Velocity Prediction Method via a Gate Recurrent Unit Fusion Network Based on the Spatiotemporal Attention Mechanism. Lithosphere, 2022, 2022, .	1.4	0
2486	A Lightweight Uav Swarm Detection Method Integrated Attention Mechanism. Drones, 2023, 7, 13.	4.9	3
2487	Automatic Sleep Staging via Frequency-Wise Spiking Neural Networks. , 2022, , .		1
2488	Local-Whole-Focus: Identifying Breast Masses and Calcified Clusters on Full-Size Mammograms. , 2022, , .		1
2489	Quality Assessment of Screen Content Images Based on Multi-Pathway Convolutional Neural Network. , 2022, , .		1
2490	Compact Convolutional Neural Network with Multi-Headed Attention Mechanism for Seizure Prediction. International Journal of Neural Systems, 2023, 33, .	5.2	11
2491	Marine Moving Target Classification Based on Capsule Network with Feature Enhancement. , 2022, , .		1
2494	Enhancing Differential-Neural Cryptanalysis. Lecture Notes in Computer Science, 2022, , 318-347.	1.3	5
2495	Lightweight End-To-End Deep Learning Model For Music Source Separation. , 2022, , .		0
2496	The multi-learning for food analyses in computer vision: a survey. Multimedia Tools and Applications, 0, , .	3.9	1
2497	YOLOv5-Based Model Integrating Separable Convolutions for Detection of Wheat Head Images. IEEE Access, 2023, 11, 12059-12074.	4.2	3
2498	RADFNNet: An infrared and visible image fusion framework based on distributed network. Frontiers in Plant Science, 0, 13, .	3.6	1

#	ARTICLE	IF	CITATIONS
2499	Multi-object Tracking via Discriminative Embeddings for the Internet of Things. IEEE Internet of Things Journal, 2023, , 1-1.	8.7	0
2500	Wavelet transform-based two-stream convolutional networks for face anti-spoofing. Journal of Electronic Imaging, 2023, 32, .	0.9	0
2501	Artificial intelligence-based classification of pollen grains using attention-guided pollen features aggregation network. Journal of King Saud University - Computer and Information Sciences, 2023, 35, 740-756.	3.9	0
2502	sORFPred: A Method Based on Comprehensive Features and Ensemble Learning to Predict the sORFs in Plant LncRNAs. Interdisciplinary Sciences, Computational Life Sciences, 2023, 15, 189-201.	3.6	3
2503	DCAM-Net: A Rapid Detection Network for Strip Steel Surface Defects Based on Deformable Convolution and Attention Mechanism. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-12.	4.7	17
2504	Multimodal Finger Recognition Based on Asymmetric Networks With Fused Similarity. IEEE Access, 2023, 11, 17497-17509.	4.2	3
2505	SS-TBN: A Semi-Supervised Tri-Branch Network for COVID-19 Screening and Lesion Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 10427-10442.	13.9	5
2506	AVFP-MVX: Multimodal VoxelNet With Attention Mechanism and Voxel Feature Pyramid. IEEE Sensors Journal, 2023, 23, 6139-6149.	4.7	1
2507	Scale in Scale for SAR Ship Instance Segmentation. Remote Sensing, 2023, 15, 629.	4.0	5
2508	TRCA-Net: stronger U structured network for human image segmentation. Neural Computing and Applications, 2023, 35, 9627-9635.	5.6	3
2509	Disentangled Representation and Enhancement Network for Vein Recognition. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 4164-4176.	8.3	2
2510	A Multi-View Multi-Scale Neural Network for Multi-Label ECG Classification. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 648-660.	4.9	11
2511	A novel ultrasound image diagnostic method for thyroid nodules. Scientific Reports, 2023, 13, .	3.3	3
2512	Unconditionally Generated and Pseudo-Labeled Synthetic Images for Diabetic Foot Ulcer Segmentation Dataset Extension. Lecture Notes in Computer Science, 2023, , 65-79.	1.3	1
2513	Research on Anomaly Detection of Surveillance Video Based on Branch-Fusion Net and CSAM. Sensors, 2023, 23, 1385.	3.8	0
2514	Rice Disease Identification Method Based on Attention Mechanism and Deep Dense Network. Electronics (Switzerland), 2023, 12, 508.	3.1	6
2515	Automatic Multilabel Classification of Multiple Fundus Diseases Based on Convolutional Neural Network With Squeeze-and-Excitation Attention. Translational Vision Science and Technology, 2023, 12, 22.	2.2	4
2516	Correlation-and-Correction Fusion Attention Network for Occluded Pedestrian Detection. IEEE Sensors Journal, 2023, 23, 6061-6073.	4.7	2

#	ARTICLE	IF	CITATIONS
2517	SCS-Net: An efficient and practical approach towards Face Mask Detection. Procedia Computer Science, 2023, 218, 1878-1887.	2.0	1
2518	A Wavelet-Driven Subspace Basis Learning Network for High-Resolution Synthetic Aperture Radar Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 1900-1913.	4.9	1
2519	A hybrid network capturing multisource feature correlations for tool remaining useful life prediction. International Journal of Advanced Manufacturing Technology, 2023, 125, 2815-2831.	3.0	1
2520	ResSKNet-SSDP: Effective and Light End-To-End Architecture for Speaker Recognition. Sensors, 2023, 23, 1203.	3.8	3
2521	A Synergistical Attention Model for Semantic Segmentation of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-16.	6.3	9
2522	Automatic counting of rapeseed inflorescences using deep learning method and UAV RGB imagery. Frontiers in Plant Science, 0, 14, .	3.6	1
2523	Medical Image Classification Using Light-Weight CNN With Spiking Cortical Model Based Attention Module. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 1991-2002.	6.3	6
2524	Wavelength-aware 2D Convolutions for Hyperspectral Imaging. , 2023, , .		0
2525	A Method for Separating the O/X Mode Signals in Vertical Ionograms Based on Improved U-Shaped Encoder-Decoder Network. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.3	0
2526	TSCNet: Topological Structure Coupling Network for Change Detection of Heterogeneous Remote Sensing Images. Remote Sensing, 2023, 15, 621.	4.0	3
2527	Time Series Classification Based on Multi-Dimensional Feature Fusion. IEEE Access, 2023, 11, 11066-11077.	4.2	1
2528	Generalizable Deep Learning-based Sleep Staging Approach for Ambulatory Textile Electrode Headband Recordings. IEEE Journal of Biomedical and Health Informatics, 2023, , 1-12.	6.3	1
2529	Unified Architecture Adaptation for Compressed Domain Semantic Inference. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 4108-4121.	8.3	6
2530	Automating Building Damage Reconnaissance to Optimize Drone Mission Planning for Disaster Response. Journal of Computing in Civil Engineering, 2023, 37, .	4.7	5
2531	Research on Raindrop Image Segmentation Method Based on Improved BiSeNet. , 2022, , .		0
2532	Two Feature Fusion Network Based on Efficient Deep Residual Shrinkage Spatial-Temporal Graph Convolution for Emotion Recognition from Gaits. , 2022, , .		0
2533	Ship detection based on deep learning under complex lighting. , 2022, , .		2
2534	Human Pose Estimation Based on SNHRNet. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2535	SE-ResNet-based noise reduction for steady-state micro-thrust measurement. , 2022, , .		1
2536	FineFormer: Fine-Grained Adaptive Object Transformer for Image Captioning. , 2022, , .		3
2537	MonNet: A Spatiotemporal Network Based on Skin Attention for Heart Rate Measurement. , 2022, , .		0
2538	Semantic Segmentation Algorithm of Remote Sensing Images Based on Improved Panoptic. , 2022, , .		0
2539	Dual-Channel Wind Power Forecasting Model Using Squeeze and Excitation Network. , 2022, , .		1
2540	Multi-scale input dual decoder Blind Motion Deblurring. , 2022, , .		0
2541	Real-time semantic segmentation network based on improved BiSeNet V1. , 2022, , .		0
2542	Quick Flash Flood Detection Based on Sound Energy Spectrum and Squeeze-and-Excitation Enhanced Deep Learning. , 2022, , .		0
2543	EDDNet: An Efficient and Accurate Defect Detection Network for the Industrial Edge Environment. , 2022, , .		0
2544	MobileNet <sub>ss</sub>   æ, Ÿä ← é ‡ Ç % 1 ä 3 / 4 è ž â ç ® — æ 3 •. Laser and Optoelectronics Progress, 2023, 60, 04100246		1
2545	Quality Feature Learning via Multi-Channel CNN and GRU for No-Reference Video Quality Assessment. IEEE Access, 2023, 11, 28060-28075.	4.2	1
2546	A Unified Attention Paradigm for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-16.	6.3	2
2547	MS-HNN: Multi-Scale Hierarchical Neural Network With Squeeze and Excitation Block for Neonatal Sleep Staging Using a Single-Channel EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 2195-2204.	4.9	6
2548	PKA <sup>2</sup> -Net: Prior Knowledge-Based Active Attention Network for Accurate Pneumonia Diagnosis on Chest X-Ray Images. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 3513-3524.	6.3	2
2549	Hand Movement Recognition and Salient Tremor Feature Extraction With Wearable Devices in Parkinson's Patients. IEEE Transactions on Cognitive and Developmental Systems, 2024, 16, 284-295.	3.8	1
2550	Active Jamming Mitigation for Short-Range Detection System. IEEE Transactions on Vehicular Technology, 2023, 72, 11446-11457.	6.3	2
2551	Foreign Bodies Detector Based on DETR for High-Resolution X-Ray Images of Textiles. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	4.7	3
2552	Effective Vehicle Classification and Re-identification on Stanford Cars Dataset Using Convolutional Neural Networks. Algorithms for Intelligent Systems, 2023, , 177-190.	0.6	0

#	ARTICLE	IF	CITATIONS
2553	CdcSegNet: Automatic COVID-19 Infection Segmentation From CT Images. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-13.	4.7	3
2554	Untrained Compound Fault Diagnosis for Planetary Gearbox Based on Adaptive Learning VMD and DSSECNN. IEEE Sensors Journal, 2023, 23, 11838-11854.	4.7	2
2555	èŽââ...â±â€Žâ±â€Œç%â³¼çš,,éŽâ°ç%â³¼â€â€±ç½‘ç»œè³¼è®¡. Laser and Optoelectronics Progress, 2023, 60, 06100150	0.6	1
2556	Adversarial Complementary Learning for Multisource Remote Sensing Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.3	27
2557	The Use of SNN for Ultralow-Power RF Fingerprinting Identification With Attention Mechanisms in VDES-SAT. IEEE Internet of Things Journal, 2023, 10, 15594-15603.	8.7	2
2558	Visual Active Tracking Algorithm for UAV Cluster Based on Deep Reinforcement Learning. Lecture Notes in Electrical Engineering, 2023, , 1047-1061.	0.4	0
2559	FPANet: feature pyramid attention network for crowd counting. Applied Intelligence, 2023, 53, 19199-19216.	5.3	8
2560	A gated multi-hierarchical feature fusion network for recognizing steel plate surface defects. Multimedia Systems, 2023, 29, 1347-1360.	4.7	3
2561	Application of a Novel Multiscale Global Graph Convolutional Neural Network to Improve the Accuracy of Forest Type Classification Using Aerial Photographs. Remote Sensing, 2023, 15, 1001.	4.0	10
2562	A Semi-Supervised Method for Real-Time Forest Fire Detection Algorithm Based on Adaptively Spatial Feature Fusion. Forests, 2023, 14, 361.	2.1	11
2563	I-DNAN6mA: Accurate Identification of DNA N <sup>6</sup> -Methyladenine Sites Using the Base-Pairing Map and Deep Learning. Journal of Chemical Information and Modeling, 2023, 63, 1076-1086.	5.4	3
2564	LSTM-Based Multi-Task Method for Remaining Useful Life Prediction under Corrupted Sensor Data. Machines, 2023, 11, 341.	2.2	2
2565	ASTT: acoustic spatial-temporal transformer for short utterance speaker recognition. Multimedia Tools and Applications, 0, , .	3.9	0
2566	From Head and Neck Tumour and Lymph Node Segmentation to Survival Prediction on PET/CT: An End-to-End Framework Featuring Uncertainty, Fairness, and Multi-Region Multi-Modal Radiomics. Cancers, 2023, 15, 1932.	3.7	4
2567	MPARN: multi-scale path attention residual network for fault diagnosis of rotating machines. Journal of Computational Design and Engineering, 2023, 10, 860-872.	3.1	4
2568	BGcsSENet: Bidirectional GRU With Spatial and Channel Squeeze-Excitation Network for Bundle Branch Block Detection. IEEE Transactions on Human-Machine Systems, 2023, 53, 449-457.	3.5	1
2569	BalanceHRNet: An effective network for bottom-up human pose estimation. Neural Networks, 2023, 161, 297-305.	5.9	5
2570	Globalâ€“localâ€“global context-aware network for salient object detection in optical remote sensing images. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 198, 184-196.	11.1	5

#	ARTICLE	IF	CITATIONS
2571	Registration of 3D medical images based on unsupervised cooperative cascade of deep networks. Biomedical Signal Processing and Control, 2023, 82, 104594.	5.7	3
2572	Smart IoMT-based segmentation of coronavirus infections using lung CT scans. AEJ - Alexandria Engineering Journal, 2023, 69, 571-583.	6.4	3
2573	Field-scale yield prediction of winter wheat under different irrigation regimes based on dynamic fusion of multimodal UAV imagery. International Journal of Applied Earth Observation and Geoinformation, 2023, 118, 103292.	1.9	2
2574	FRCNN-AA-CIF: An automatic detection model of colon polyps based on attention awareness and context information fusion. Computers in Biology and Medicine, 2023, 158, 106787.	7.0	4
2575	An automatic defect detection method for TO56 semiconductor laser using deep convolutional neural network. Computers and Industrial Engineering, 2023, 179, 109148.	6.3	3
2576	An improved YOLOv5s method based bruises detection on apples using cold excitation thermal images. Postharvest Biology and Technology, 2023, 199, 112280.	6.0	5
2577	Orientation Attention Network for semantic segmentation of remote sensing images. Knowledge-Based Systems, 2023, 267, 110415.	7.1	5
2578	An estimation method of maize impurity rate based on the deep residual networks. Industrial Crops and Products, 2023, 196, 116455.	5.2	1
2579	Global-aware siamese network for change detection on remote sensing images. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 199, 61-72.	11.1	13
2580	Deep metric learning for robust radar signal recognition. , 2023, 137, 104017.		3
2581	A deep neural network-based model for OSA severity classification using unsegmented peripheral oxygen saturation signals. Engineering Applications of Artificial Intelligence, 2023, 122, 106161.	8.1	1
2582	A frequency-spatial hybrid attention mechanism improved tool wear state recognition method guided by structure and process parameters. Measurement: Journal of the International Measurement Confederation, 2023, 214, 112833.	5.0	4
2583	Novel SEConv1D framework for real-time hydrodynamics prediction of the unidentified underwater vehicle. Ocean Engineering, 2023, 277, 114296.	4.3	1
2584	Where to look: Multi-granularity occlusion aware for video person re-identification. Neurocomputing, 2023, 536, 137-151.	5.9	3
2585	Deep learning and expert knowledge based underwater acoustic OFDM receiver. Physical Communication, 2023, 58, 102041.	2.1	4
2586	Improving protein-protein interaction site prediction using deep residual neural network. Analytical Biochemistry, 2023, 670, 115132.	2.4	2
2587	A novel dual-attention optimization model for points classification of power quality disturbances. Applied Energy, 2023, 339, 121011.	10.1	7
2588	Data augmentation method for underwater acoustic target recognition based on underwater acoustic channel modeling and transfer learning. Applied Acoustics, 2023, 208, 109344.	3.3	6

#	ARTICLE	IF	CITATIONS
2589	DSEU-net: A novel deep supervision SEU-net for medical ultrasound image segmentation. Expert Systems With Applications, 2023, 223, 119939.	7.6	5
2590	Mining and reasoning of data uncertainty-induced imprecision in deep image classification. Information Fusion, 2023, 96, 202-213.	19.1	2
2591	Multimodal multi-instance learning for long-term ECG classification. Knowledge-Based Systems, 2023, 270, 110555.	7.1	7
2592	AmtNet: Attentional multi-scale temporal network for phonocardiogram signal classification. Biomedical Signal Processing and Control, 2023, 85, 104934.	5.7	2
2593	LightX3ECG: A Lightweight and eXplainable Deep Learning System for 3-lead Electrocardiogram Classification. Biomedical Signal Processing and Control, 2023, 85, 104963.	5.7	9
2594	Decoupling of vehicle-induced structural responses of highway bridges based on bipartite matching U-Net. Engineering Structures, 2023, 286, 116108.	5.3	0
2595	Face spoofing detection based on multi-scale color inversion dual-stream convolutional neural network. Expert Systems With Applications, 2023, 224, 119988.	7.6	7
2596	A deep-learning-based time of arrival estimation using kernel sparse encoding scheme. Signal Processing, 2023, 209, 109047.	3.7	1
2597	A Novel Fault Inspection Method of Steel Plate Surface. , 2022, , .		1
2598	A Lightweight Deep Learning Model for Real-time Detection and Recognition of Traffic Signs Images Based on YOLOv5. , 2022, , .		1
2599	DeepCDL-PR: Deep unfolded convolutional dictionary learning with weighted $\ell_1$ -norm for phase retrieval. , 2023, 136, 103971.		0
2600	HiSup: Accurate polygonal mapping of buildings in satellite imagery with hierarchical supervision. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 198, 284-296.	11.1	6
2601	A real-time computer-aided diagnosis method for hydatidiform mole recognition using deep neural network. Computer Methods and Programs in Biomedicine, 2023, 234, 107510.	4.7	0
2602	Underwater object detection algorithm based on feature enhancement and progressive dynamic aggregation strategy. Pattern Recognition, 2023, 139, 109511.	8.1	9
2603	Deep learning seismic damage assessment with embedded signal denoising considering three-dimensional time-frequency feature correlation. Engineering Structures, 2023, 286, 116148.	5.3	1
2604	An attention-based bilinear feature extraction mechanism for fine-grained laser welding molten pool/keyhole defect recognition. Journal of Manufacturing Processes, 2023, 87, 150-159.	5.9	5
2605	Attention-guided MIL weakly supervised visual anomaly detection. Measurement: Journal of the International Measurement Confederation, 2023, 209, 112500.	5.0	2
2606	Strip steel surface defect detecting method combined with a multi-layer attention mechanism network. Measurement Science and Technology, 2023, 34, 055403.	2.6	9

#	ARTICLE	IF	CITATIONS
2607	Self-gated FM: Revisiting the Weight of Feature Interactions for ATR Prediction. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 415-432.	0.3	0
2608	A hybrid U-Net model with attention and advanced convolutional learning modules for simultaneous gland segmentation and cancer grade prediction in colorectal histopathological images. Intelligence-based Medicine, 2023, 7, 100094.	2.4	7
2609	ACCPG-Net: A skin lesion segmentation network with Adaptive Channel-Context-Aware Pyramid Attention and Global Feature Fusion. Computers in Biology and Medicine, 2023, 154, 106580.	7.0	2
2610	Multiple attention mechanisms-driven component fault location in optical networks with network-wide monitoring data. Journal of Optical Communications and Networking, 2023, 15, C9.	4.8	2
2611	YOLOv5-lotus an efficient object detection method for lotus seedpod in a natural environment. Computers and Electronics in Agriculture, 2023, 206, 107635.	7.7	10
2612	An Indoor Pool Drowning Risk Detection Method Based on Improved YOLOv4. , 2022, , .		1
2613	An efficient mobile model for insect image classification in the field pest management. Engineering Science and Technology, an International Journal, 2023, 39, 101335.	3.2	6
2614	Graph Attention U-Net for Retinal Layer Surface Detection and Choroid Neovascularization Segmentation in OCT Images. IEEE Transactions on Medical Imaging, 2023, 42, 3140-3154.	8.9	7
2615	Automated unruptured cerebral aneurysms detection in TOF MR angiography images using dual-channel SE-3D UNet: a multi-center research. European Radiology, 2023, 33, 3532-3543.	4.5	2
2616	Unsupervised RGB-T object tracking with attentional multi-modal feature fusion. Multimedia Tools and Applications, 0, , .	3.9	1
2617	Remote Sensing Image Change Detection Based on Deep Multi-Scale Multi-Attention Siamese Transformer Network. Remote Sensing, 2023, 15, 842.	4.0	16
2618	Multi-scale Superpixel based Hierarchical Attention model for brain CT classification. Journal of Visual Communication and Image Representation, 2023, 91, 103773.	2.8	1
2619	A Closed-Loop Network for Single Infrared Remote Sensing Image Super-Resolution in Real World. Remote Sensing, 2023, 15, 882.	4.0	1
2620	Safety Helmet Detection Based on YOLOv5 Driven by Super-Resolution Reconstruction. Sensors, 2023, 23, 1822.	3.8	8
2621	Boosting the Performance of SpEx+ by Attention and Contextual Mechanism. , 2022, , .		0
2622	Multi-Spectral-Attention Dual-Channel Network for Radar-Based Human Gait Recognition. , 2021, , .		0
2623	Research on steel rail surface defects detection based on improved YOLOv4 network. Frontiers in Neurorobotics, 0, 17, .	2.8	5
2624	A real-time and effective text detection method for multi-scale and fuzzy text. Journal of Real-Time Image Processing, 2023, 20, .	3.5	1

#	ARTICLE	IF	CITATIONS
2625	Single-image HDR reconstruction by dual learning the camera imaging process. Engineering Applications of Artificial Intelligence, 2023, 120, 105947.	8.1	1
2626	An aggregated loss function based lightweight few shot model for plant leaf disease classification. Multimedia Tools and Applications, 2023, 82, 23797-23815.	3.9	1
2627	Infrared and visible image fusion algorithm based on split-attention residual networks. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2022, 40, 1404-1413.	0.5	0
2628	LDANet: Automatic lung parenchyma segmentation from CT images. Computers in Biology and Medicine, 2023, 155, 106659.	7.0	13
2629	Lip Print Recognition Algorithm Based on Convolutional Network. Journal of Applied Mathematics, 2023, 2023, 1-8.	0.9	0
2630	A Three-Stage Self Supervised Deep Learning Network for Automatic Calcium Scoring of Cardiac Computed Tomography Images. , 2022, , .		0
2631	Prediction of Aeroengine Remaining Useful Life Based on SE-BiLSTM. , 2022, , .		0
2632	RGB-D-Based Stair Detection and Estimation Using Deep Learning. Sensors, 2023, 23, 2175.	3.8	1
2633	An Enhanced Residual Feature Fusion Network Integrated with a Terrain Weight Module for Digital Elevation Model Super-Resolution. Remote Sensing, 2023, 15, 1038.	4.0	2
2634	Converge of coordinate attention boosted YOLOv5 model and quantum dot labeled fluorescent biosensing for rapid detection of the poultry disease. Computers and Electronics in Agriculture, 2023, 206, 107702.	7.7	6
2635	Tactile Signal Reconstruction Assisted by Video Processing. , 2022, , .		0
2636	A Lightweight Network Model Based on an Attention Mechanism for Ship-Radiated Noise Classification. Journal of Marine Science and Engineering, 2023, 11, 432.	2.6	9
2638	Learning Dynamic Computing Resource Allocation in Convolutional Neural Networks for Wireless Interference Identification. IEEE Transactions on Vehicular Technology, 2023, 72, 8770-8782.	6.3	0
2639	Lightweight and Energy-Aware Monocular Depth Estimation Models for IoT Embedded Devices: Challenges and Performances in Terrestrial and Underwater Scenarios. Sensors, 2023, 23, 2223.	3.8	1
2640	Spatial multi-scale attention U-improved network for blood vessel segmentation. Signal, Image and Video Processing, 0, , .	2.7	0
2641	Iterative Fusion and Dual Enhancement for Accurate and Efficient Object Detection. Journal of Circuits, Systems and Computers, 0, , .	1.5	0
2642	Convolution-Enhanced Vision Transformer Network for Smoke Recognition. Fire Technology, 2023, 59, 925-948.	3.0	3
2643	Deep Learning Approach for <sc>MRI</sc> in the Classification of Anterior Talofibular Ligament Injuries. Journal of Magnetic Resonance Imaging, 2023, 58, 1544-1556.	3.4	2

#	ARTICLE	IF	CITATIONS
2644	An Atrous Convolved Hybrid Seg-Net Model with residual and attention mechanism for gland detection and segmentation in histopathological images. Computers in Biology and Medicine, 2023, 155, 106690.	7.0	9
2645	Synthesizing multi-frame high-resolution fluorescein angiography images from retinal fundus images using generative adversarial networks. BioMedical Engineering OnLine, 2023, 22, .	2.7	5
2646	Fusion and Allocation Network for Light Field Image Super-Resolution. Mathematics, 2023, 11, 1088.	2.2	0
2647	End-to-End Object Detection with Location-Sensitive Cues. , 2022, , .		0
2648	Recognition of Macrofungi by Convolutional Neural Networks with Attention Mechanism. , 2022, , .		0
2649	Detection of Occluded Small Commodities Based on Feature Enhancement under Super-Resolution. Sensors, 2023, 23, 2439.	3.8	1
2650	CA-BIT: A Change Detection Method of Land Use in Natural Reserves. Agronomy, 2023, 13, 635.	3.0	1
2651	A lightweight network for portable fry counting devices. Applied Soft Computing Journal, 2023, 136, 110140.	7.2	4
2652	Marine ship instance segmentation by deep neural networks using a global and local attention (GALA) mechanism. PLoS ONE, 2023, 18, e0279248.	2.5	1
2653	Debiased Video-Text Retrieval via Soft Positive Sample Calibration. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 5257-5270.	8.3	1
2654	Cloud detection of high-resolution remote sensing image based on improved U-Net. Multimedia Tools and Applications, 2023, 82, 25271-25288.	3.9	1
2655	Multi-attention-based soft partition network for vehicle re-identification. Journal of Computational Design and Engineering, 2023, 10, 488-502.	3.1	2
2656	Mine-Distill-Prototypes for Complete Few-Shot Class-Incremental Learning in Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.3	3
2657	HRRNet: Hierarchical Refinement Residual Network for Semantic Segmentation of Remote Sensing Images. Remote Sensing, 2023, 15, 1244.	4.0	3
2658	Multi-phase attention network for face super-resolution. PLoS ONE, 2023, 18, e0280986.	2.5	1
2659	Fast lane detection for extracting spatial location information. Multimedia Tools and Applications, 0, , .	3.9	0
2660	A unified speech enhancement approach to mitigate both background noises and adversarial perturbations. Information Fusion, 2023, 95, 372-383.	19.1	2
2661	Current trajectory image-based protection algorithm for transmission lines connected to MMC-HVDC stations using CA-CNN. Protection and Control of Modern Power Systems, 2023, 8, .	7.5	2

#	ARTICLE	IF	CITATIONS
2662	RINet: Relative Importance-Aware Network for Fixation Prediction. IEEE Transactions on Multimedia, 2023, 25, 9263-9277.	7.2	3
2663	Underwater Object Detection Using TC-YOLO with Attention Mechanisms. Sensors, 2023, 23, 2567.	3.8	11
2664	Calibrationless reconstruction of <scp>uniformlyâ€undersampled multiâ€channel MR</scp> data with deep learning estimated <scp>ESPIRiT</scp> maps. Magnetic Resonance in Medicine, 0, , .	3.0	0
2665	MFANet: A Collar Classification Network Based on Multi-Scale Features and an Attention Mechanism. Mathematics, 2023, 11, 1164.	2.2	0
2666	A Multi-Scale Pseudo-Siamese Network with an Attention Mechanism for Classification of Hyperspectral and LiDAR Data. Remote Sensing, 2023, 15, 1283.	4.0	3
2667	A lightweight object detection network in low-light conditions based on depthwise separable pyramid network and attention mechanism on embedded platforms. Journal of the Franklin Institute, 2023, 360, 4427-4455.	3.4	4
2668	An Adaptive Interference Removal Framework for Video Person Re-Identification. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 5148-5159.	8.3	10
2669	High-efficiency terahertz single-pixel imaging based on a physics-enhanced network. Optics Express, 2023, 31, 10273.	3.4	3
2670	Context-Driven Feature-Focusing Network for Semantic Segmentation of High-Resolution Remote Sensing Images. Remote Sensing, 2023, 15, 1348.	4.0	0
2671	C-ESRGAN: Synthesis of super-resolution images by image classification. , 2022, , .		1
2672	An efficient lightweight convolutional neural network for industrial surface defect detection. Artificial Intelligence Review, 2023, 56, 10651-10677.	15.7	9
2673	Machine learning techniques implementation for detection of grape leaf disease. Multimedia Tools and Applications, 2023, 82, 30709-30731.	3.9	2
2674	Development of an Improved YOLOv7-Based Model for Detecting Defects on Strip Steel Surfaces. Coatings, 2023, 13, 536.	2.6	5
2675	Deep learning - cancer genetics and application of deep learning to cancer oncology. Science and Technology, 2022, 60, 885-928.	0.2	0
2676	Interpretable Incremental Voltageâ€Current Representation Attention Convolution Neural Network for Nonintrusive Load Monitoring. IEEE Transactions on Industrial Informatics, 2023, 19, 11776-11787.	11.3	2
2677	An Improved Tuna-YOLO Model Based on YOLO v3 for Real-Time Tuna Detection Considering Lightweight Deployment. Journal of Marine Science and Engineering, 2023, 11, 542.	2.6	4
2678	Underwater Acoustic Target Recognition Based on Data Augmentation and Residual CNN. Electronics (Switzerland), 2023, 12, 1206.	3.1	6
2679	Image-to-image translation using an offset-based multi-scale codes GAN encoder. Visual Computer, 2024, 40, 699-715.	3.5	4

#	ARTICLE	IF	CITATIONS
2680	Feature pyramid with attention fusion for edge discontinuity classification. Machine Vision and Applications, 2023, 34, .	2.7	1
2681	Research on a Lip Reading Algorithm Based on Efficient-GhostNet. Electronics (Switzerland), 2023, 12, 1151.	3.1	0
2682	Abnormal Behavior Monitoring Method of Larimichthys crocea in Recirculating Aquaculture System Based on Computer Vision. Sensors, 2023, 23, 2835.	3.8	1
2683	Detection of Material on a Tray in an Automatic Assembly Line Based on Convolution Attention and Multitask Loss. , 2022, , .		0
2684	Lightweight Multiscale Neural Architecture Search With Spectralâ€“Spatial Attention for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-15.	6.3	3
2685	Steel Surface Defects Detection Based on Improved Faster R-CNN. , 2022, , .		0
2686	DCNNBT: A NOVEL DEEP CONVOLUTION NEURAL NETWORK-BASED BRAIN TUMOR CLASSIFICATION MODEL. Fractals, 2023, 31, .	3.7	4
2687	MaskSleepNet: A Cross-Modality Adaptation Neural Network for Heterogeneous Signals Processing in Sleep Staging. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 2353-2364.	6.3	9
2688	An enhanced SSD with feature cross-reinforcement for small-object detection. Applied Intelligence, 2023, 53, 19449-19465.	5.3	4
2689	Spatial-specific Transformer with involution for semantic segmentation of high-resolution remote sensing images. International Journal of Remote Sensing, 2023, 44, 1280-1307.	2.9	1
2690	Identification for the cortical 3-Hinges folding pattern based on cortical morphological and structural features. Frontiers in Neuroscience, 0, 17, .	2.8	0
2691	MATNet: A Combining Multi-Attention and Transformer Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-15.	6.3	6
2692	Detecting diseases in apple tree leaves using FPNâ€“ISResNetâ€“Faster RCNN. European Journal of Remote Sensing, 2023, 56, .	3.5	7
2693	EEG-Channel-Temporal-Spectral-Attention Correlation for Motor Imagery EEG Classification. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 1659-1669.	4.9	9
2694	Pig face recognition based on improved YOLOv4 lightweight neural network. Information Processing in Agriculture, 2023, , .	4.1	5
2695	DC-CNN-Based Quantum State Estimation. , 2022, , .		0
2696	Cotton Image Segmentation Network Based on Improved DeeplabV3+. , 2022, , .		0
2697	Human Pose Estimation Based on Lightweight Convolutional Neural Networks. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
2698	A new method based on YOLOv5 for remote sensing object detection. , 2022, , .		0
2699	KBN-YOLOv5: Improved YOLOv5 for Detecting Bird's Nest in High-Voltage Tower. , 2022, , .		1
2700	Depthwise Temporal Non-Local Network for Faster and Better Dynamic Hand Gesture Authentication. IEEE Transactions on Information Forensics and Security, 2023, 18, 1870-1883.	6.9	2
2701	Aircraft Wake Recognition Based on Improved ParNet Convolutional Neural Network. Applied Sciences (Switzerland), 2023, 13, 3560.	2.5	0
2702	Prediction of Remaining Useful Life Uncertainty Based on Monte Carlo Dropout and ResNet. , 2022, , .		1
2703	Panoramic Stereo Matching Network Based on Bi-Projection Fusion. , 2022, , .		0
2704	An Automatic Ultrasonic Feature Extraction and Fusion Approach for Fault Diagnosis of Tail Rotor Bearing in Unmanned Aerial Vehicle. , 2022, , .		0
2705	Multi-Scale Attention-Enhanced Deep Learning Model for Ionogram Automatic Scaling. Radio Science, 2023, 58, .	1.6	0
2706	End-to-end Monocular Pose Estimation for Uncooperative Spacecraft based on Direct Regression Network. IEEE Transactions on Aerospace and Electronic Systems, 2023, , 1-13.	4.7	0
2707	Artificial intelligence-based analysis of whole-body bone scintigraphy: The quest for the optimal deep learning algorithm and comparison with human observer performance. Zeitschrift Fur Medizinische Physik, 2023, , .	1.5	3
2708	Dual Guidance Of Optical Flow And Decoupled Attention For Infrared Video Object Detection Network. , 2022, , .		0
2709	SE-ResNet based vulnerable plaque recognition in IVOCT images. , 2022, , .		0
2710	Traffic Classification Method Based on Federated Semi-Supervised Learning. , 2022, , .		1
2711	Dynamic Super-Pixel Normalization for Robust Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.3	2
2712	Remote Sensing Image Object Detection Based on Improved YOLOv3 in Deep Learning Environment. Journal of Circuits, Systems and Computers, 0, , .	1.5	0
2714	CoReS: Compatible Representations via Stationarity. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, , 1-16.	13.9	0
2715	Detecting Unknown Network Attacks with Attention Encoding and Deep Metric Learning. , 2022, , .		1
2716	Open-Set Specific Emitter Identification Based on Prototypical Networks and Extreme Value Theory. Applied Sciences (Switzerland), 2023, 13, 3878.	2.5	2

#	ARTICLE	IF	CITATIONS
2717	Real-time Deep Radiance Reconstruction from Imperfect Caches. Computer Graphics Forum, 2022, 41, 267-278.	3.0	0
2718	MFGFNet: A Multi-Scale Remote Sensing Change Detection Network Using the Global Filter in the Frequency Domain. Remote Sensing, 2023, 15, 1682.	4.0	1
2719	A Novel Heteromorphic Ensemble Algorithm for Hand Pose Recognition. Symmetry, 2023, 15, 769.	2.2	0
2720	MSRA-Net: Tumor segmentation network based on Multi-scale Residual Attention. Computers in Biology and Medicine, 2023, 158, 106818.	7.0	2
2721	N-Net: an UNet architecture with dual encoder for medical image segmentation. Signal, Image and Video Processing, 2023, 17, 3073-3081.	2.7	6
2722	A Structure-Preserving and Illumination-Consistent Cycle Framework for Image Harmonization. IEEE Transactions on Multimedia, 2024, 26, 51-64.	7.2	2
2723	Object detection method based on lightweight YOLOv4 and attention mechanism in security scenes. Journal of Real-Time Image Processing, 2023, 20, .	3.5	7
2725	EMRNet: Efficient Modulation Recognition Networks for Continuous-Wave Radar Signals. IEICE Transactions on Electronics, 2023, , .	0.6	1
2726	3D network with channel excitation and knowledge distillation for action recognition. Frontiers in Neurorobotics, 0, 17, .	2.8	1
2727	Self-Supervised Learning of Depth and Ego-Motion for 3D Perception in Human Computer Interaction. ACM Transactions on Multimedia Computing, Communications and Applications, 2024, 20, 1-21.	4.3	1
2728	A Dehazing Method for Remote Sensing Image Under Nonuniform Hazy Weather Based on Deep Learning Network. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-17.	6.3	2
2729	HCT-net: hybrid CNN-transformer model based on a neural architecture search network for medical image segmentation. Applied Intelligence, 2023, 53, 19990-20006.	5.3	3
2730	Recent advances of few-shot learning methods and applications. Science China Technological Sciences, 2023, 66, 920-944.	4.0	7
2732	RES-CapsNet: an improved capsule network for micro-expression recognition. Multimedia Systems, 2023, 29, 1593-1601.	4.7	0
2733	Multi-Scale Feature Fusion Network for Low-Dose CT Denoising. Journal of Digital Imaging, 2023, 36, 1808-1825.	2.9	2
2734	Hierarchical multi-scale network for cross-scale visual defect detection. Journal of Intelligent Manufacturing, 2024, 35, 1141-1157.	7.3	5
2735	IR\$\$^2\$\$\$Net: information restriction and information recovery for accurate binary neural networks. Neural Computing and Applications, 0, , .	5.6	1
2736	Differentiable channel pruning guided via attention mechanism: a novel neural network pruning approach. Complex & Intelligent Systems, 0, , .	6.5	1

#	ARTICLE	IF	CITATIONS
2737	Mask Defect Detection Algorithm Based on Improved EfficientNetV2. , 2022, , .		0
2738	Intelligent Bearing Fault Diagnosis Using Adaptive Time-Frequency Convolutional Features with Multi-task Learning. , 2022, , .		0
2739	Multi-Scale Channel Adaptive Time-Delay Neural Network and Balanced Fine-Tuning for Arabic Dialect Identification. Applied Sciences (Switzerland), 2023, 13, 4233.	2.5	0
2740	Design and implementation of liveness detection system based on improved shufflenet V2. Signal, Image and Video Processing, 2023, 17, 3035-3043.	2.7	2
2741	PSAGNet: A Water Body Extraction Method for High Resolution Remote Sensing Images. Lecture Notes in Electrical Engineering, 2023, , 257-269.	0.4	1
2742	Multi-task learning-based histologic subtype classification of non-small cell lung cancer. Radiologia Medica, 2023, 128, 537-543.	7.7	1
2743	Novel Creation Method of Feature Graphics for Image Generation Based on Deep Learning Algorithms. Mathematics, 2023, 11, 1644.	2.2	0
2744	ManuChain II: Blockchain Smart Contract System as the Digital Twin of Decentralized Autonomous Manufacturing Toward Resilience in Industry 5.0. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 4715-4728.	9.3	10
2745	Improving remote sensing scene classification using quality-based data augmentation. International Journal of Remote Sensing, 2023, 44, 1749-1765.	2.9	2
2746	Attention mechanism-based deep denoiser for desert seismic random noise suppression. Acta Geophysica, 0, , .	2.0	0
2747	Mixture of Experts Residual Learning for Hamming Hashing. Neural Processing Letters, 0, , .	3.2	0
2748	DARUâ€Net: A dual attention residual Uâ€Net for uterine fibroids segmentation on MRI. Journal of Applied Clinical Medical Physics, 2023, 24, .	1.9	1
2749	AutoRF: Auto Learning Receptive Fields withÂSpatial Pooling. Lecture Notes in Computer Science, 2023, , 683-694.	1.3	0
2750	Differential Privacy Machine Learning Based on Attention Residual Networks. , 2023, , .		1
2751	Traffic sign detection algorithm based on improved YOLOv4. , 2023, , .		0
2752	Unsupervised Transformer Boundary Autoencoder Network for Hyperspectral Image Change Detection. Remote Sensing, 2023, 15, 1868.	4.0	2
2753	Image steganalysis using deep learning: a systematic review and open research challenges. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 7761-7793.	4.9	2
2754	RDB-CSCA: A deep learning method to identify the spectral information for tracing the egg quality. Transactions of the Institute of Measurement and Control, 0, , 014233122311644.	1.7	0

#	ARTICLE	IF	CITATION
2755	A novel residual block: replace Conv1A— 1 with Conv3A—3 and stack more convolutions. PeerJ Computer Science, 0, 9, e1302.	4.5	1
2756	An Image Recommendation Algorithm Based on Target Alternating Attention and User Affiliation Network. Applied Sciences (Switzerland), 2023, 13, 4389.	2.5	1
2757	Attention-based Multiscale Context Awareness Network for Insulator Defect Detection. , 2022, , .		0
2758	ǎŸǎ°Žæ”¹è¿U-Netçš,,éŷæ,,Ÿǎ½±ǎfđ»ºç‘ç%©æđ←æ—¹æ³•. Laser and Optoelectronics Progress, 2023, 60, 04010026		0
2759	A lightweight method for face expression recognition based on improved MobileNetV3. IET Image Processing, 2023, 17, 2375-2384.	2.5	2
2760	ǎšǎ°ǎ° ǎ†é†æ³“æ,,ǎšç½¿ç»œç””ǎ°žēš†ç½¿è†œè¿€ç®ŵǎ†ǎ°². Laser and Optoelectronics Progress, 2023, 60, 0616011.		0
2761	è²ǎ°TransformerǎžBYTEæ°æ®ǎ...³è²çš,,ǎšçç®æ‡ǎ®žæ—¶è·Ÿè,ç®—æ³•. Laser and Optoelectronics Progress, 2023,60, 0610014.		0
2762	ǎŸǎ°žMDRA-netçš,,è,ºç»“èš,è%¬æ¶æ€šǎ†ç±»æ—¹æ³•. Laser and Optoelectronics Progress, 2023, 60, 0417001.	0.6	0
2763	LCAM: Low-Complexity Attention Module for Lightweight Face Recognition Networks. Mathematics, 2023, 11, 1694.	2.2	0
2764	ǎŸǎ°žæ”¹è¿æ®ŵǎ°U-netçš,,æ°ǎ—ǎ...”æ²ç«¬ǎ°ç«¬¿ǎ½é‡đ»º. Laser and Optoelectronics Progress, 2023, 60, 0610016.		0
2765	A Lightweight Detector Based on Attention Mechanism for Fabric Defect Detection. IEEE Access, 2023, 11, 33554-33569.	4.2	2
2766	Bearing Fault Diagnosis Based on Mel Frequency Cepstrum Coefficient and Deformable Space-Frequency Attention Network. IEEE Access, 2023, 11, 34407-34420.	4.2	6
2767	Apple Surface Defect Detection Method Based on Weight Comparison Transfer Learning with MobileNetV3. Agriculture (Switzerland), 2023, 13, 824.	3.1	1
2768	Parallel learning attention-guided CNN for signal denoising and mechanical fault diagnosis. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2023, 45, .	1.6	2
2769	D̄FR-U-Net: Dual residual and feature fusion network for ulna and radius segmentation on dual-energy X-ray absorptiometry images. Journal of X-Ray Science and Technology, 2023, , 1-13.	1.0	0
2770	Multiple Attention-Guided Neural Architecture Search for Hyperspectral Image Classification. , 2022, , .		0
2771	An Effective Plant Recognition Method with Feature Recalibration of Multiple Pretrained CNN and Layers. Applied Sciences (Switzerland), 2023, 13, 4531.	2.5	1
2772	Adaptive cropping shallow attention network for defect detection of bridge girder steel using unmanned aerial vehicle images. Journal of Zhejiang University: Science A, 2023, 24, 243-256.	2.4	1

#	ARTICLE	IF	CITATIONS
2773	SFR-Net:A Spatial Feature Enhance Method for Road Extraction. , 2022, , .		0
2774	Convolutional neural network channel pruning based on attention mechanism. , 2022, , .		0
2775	RepCPSI: Coordinate-Preserving Proximity Spectral Interaction Network With Reparameterization for Lightweight Spectral Super-Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.3	0
2776	Multiple attention convolutional-recurrent neural networks for speech emotion recognition. , 2022, , .		1
2777	Relation-consistency graph convolutional network for image super-resolution. Visual Computer, 2024, 40, 619-635.	3.5	1
2778	Two-Phase Flow Pattern Identification by Embedding Double Attention Mechanisms into a Convolutional Neural Network. Journal of Marine Science and Engineering, 2023, 11, 793.	2.6	1
2779	Virtual-scanning light-field microscopy for robust snapshot high-resolution volumetric imaging. Nature Methods, 2023, 20, 735-746.	19.0	11
2780	Spatial-temporal gated graph convolutional network: a new deep learning framework for long-term traffic speed forecasting. Journal of Intelligent and Fuzzy Systems, 2023, , 1-14.	1.4	2
2781	Dual-Channel Improved ShuffleNet (DCISN) for Real-time Violence Detection. , 2023, , .		0
2782	A rapid deep-learning-assisted design method for 2bit coding metasurfaces. Applied Optics, 0, , .	1.8	0
2783	Electrical Impedance Tomography Image Reconstruction With Attention-Based Deep Convolutional Neural Network. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-18.	4.7	4
2784	A novel dataset and efficient deep learning framework for automated grading of renal cell carcinoma from kidney histopathology images. Scientific Reports, 2023, 13, .	3.3	9
2785	Development of a deep pathomics score for predicting hepatocellular carcinoma recurrence after liver transplantation. Hepatology International, 2023, 17, 927-941.	4.2	8
2786	Inception Resnet V2-ECANet Based onÂGramian Angular Field Image forÂSpecific Emitter Identification. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 26-38.	0.3	1
2787	Enhancing 2D Hand Pose Detection andÂTracking inÂSurgical Videos byÂAttention Mechanism. Studies in Computational Intelligence, 2023, , 168-177.	0.9	0
2788	Stereo Superpixel Segmentation via Decoupled Dynamic Spatial-Embedding Fusion Network. IEEE Transactions on Multimedia, 2024, 26, 367-378.	7.2	1
2789	A Multidimensional Parallel Convolutional Connected Network Based on Multisource and Multimodal Sensor Data for Human Activity Recognition. IEEE Internet of Things Journal, 2023, 10, 14873-14885.	8.7	2
2790	Splicing complexity as a pivotal feature of alternative exons in mammalian species. BMC Genomics, 2023, 24, .	2.8	1

#	ARTICLE	IF	CITATIONS
2791	A Family of Automatic Modulation Classification Models Based on Domain Knowledge for Various Platforms. Electronics (Switzerland), 2023, 12, 1820.	3.1	2
2792	Bearing Fault Diagnosis Based on Dynamic Convolution and Multi-scale Gradient Information Aggregation Under Variable Working Conditions. Communications in Computer and Information Science, 2023, , 249-263.	0.5	1
2793	Segmentation of thyroid glands and nodules in ultrasound images using the improved U-Net architecture. BMC Medical Imaging, 2023, 23, .	2.7	5
2794	Dynamic Convolutional Network for Generalizable Face Anti-spoofing. Communications in Computer and Information Science, 2023, , 471-482.	0.5	0
2795	Improved Light-Weight Target Detection Method Based on YOLOv5. IEEE Access, 2023, 11, 38604-38613.	4.2	2
2796	Deep learning enables nonlinear Lamb waves for precise location of fatigue crack. Structural Health Monitoring, 2024, 23, 77-93.	7.5	2
2797	Research on Helmet Wearing Detection Based on Improved YOLOv4 Algorithm. Communications in Computer and Information Science, 2023, , 265-274.	0.5	0
2798	Bi-DCNet: Bilateral Network with Dilated Convolutions for Left Ventricle Segmentation. Life, 2023, 13, 1040.	2.4	0
2799	Generative UAP attacks against deep learning based modulation classification. IET Communications, 0, , .	2.2	0
2800	Vehicle Damage Detection based on MD R-CNN. , 2022, , .		0
2801	Multiscale 1-DCNN for Damage Localization and Quantification Using Guided Waves With Novel Data Fusion Technique and New Self-Attention Module. IEEE Transactions on Industrial Informatics, 2024, 20, 492-502.	11.3	0
2802	Art image inpainting via embedding multiple attention dilated convolutions. Multimedia Tools and Applications, 0, , .	3.9	0
2803	Fault Diagnosis Method for Imbalanced Data of Rotating Machinery Based on Time Domain Signal Prediction and SC-ResNeSt. IEEE Access, 2023, 11, 38875-38893.	4.2	4
2804	An Auxiliary Synthesis Framework for Enhancing EEG-Based Classification With Limited Data. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 2120-2131.	4.9	1
2805	Evaluation Method of Surface Hydrophobicity Class of On-Board Cable Terminal Based on MSRCR-SPA-ResNet. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-11.	4.7	1
2806	Automatic cardiac arrhythmias classification using CNN and attention-based RNN network. Healthcare Technology Letters, 2023, 10, 53-61.	3.3	4
2807	Visual-Lexical Alignment Constraint for Continuous Sign Language Recognition. , 2022, , .		0
2808	Detection algorithm of abnormal flow state fluid on closed vibrating screen based on improved YOLOv5. Engineering Applications of Artificial Intelligence, 2023, 123, 106272.	8.1	3

#	ARTICLE	IF	CITATIONS
2809	Research on Performance Degradation Estimation of Key Components of High-Speed Train Bogie Based on Multi-Task Learning. Entropy, 2023, 25, 696.	2.2	2
2810	A new deep convolutional neural network incorporating attentional mechanisms for ECG emotion recognition. Computers in Biology and Medicine, 2023, 159, 106938.	7.0	9
2819	RPI-CapsuleGAN: Predicting RNA-protein interactions through an interpretable generative adversarial capsule network. Pattern Recognition, 2023, 141, 109626.	8.1	5
2820	An improved interaction-and-aggregation network for person re-identification. Multimedia Tools and Applications, 2023, 82, 44053-44069.	3.9	1
2821	LeNet5. Journal of Central South University, 2023, 30, 1-10.		
2822	An Improved Insulator and Spacer Detection Algorithm Based on Dual Network and SSD. IEICE Transactions on Information and Systems, 2023, E106.D, 662-672.	0.7	1
2823	Hyperspectral Classification of Hazardous Materials Based on Deep Learning. Sustainability, 2023, 15, 7653.	3.2	0
2824	STILN: A novel spatial-temporal information learning network for EEG-based emotion recognition. Biomedical Signal Processing and Control, 2023, 85, 104999.	5.7	4
2825	CO <sub>3</sub> Net: Coordinate-Aware Contrastive Competitive Neural Network for Palmprint Recognition. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-14.	4.7	2
2826	Radar micro moving gesture recognition method based on multi-scale fusion deep network. , 2022, , .		0
2827	A Dual-Task Deep Neural Network for Scene and Action Recognition Based on 3D SENet and 3D SEResNet. , 2022, , .		0
2828	Multilevel Feature Aggregated Network with Instance Contrastive Learning Constraint for Building Extraction. Remote Sensing, 2023, 15, 2585.	4.0	2
2831	Classification of the Condition of Pavement with the Use of Machine Learning Methods. Transport and Telecommunication, 2023, 24, 158-166.	1.0	0
2832	Dual feature enhanced video super-resolution network based on low-light scenarios. Signal Processing: Image Communication, 2023, 115, 116984.	3.2	1
2833	Siamese infrared and visible light fusion network for RGB-T tracking. International Journal of Machine Learning and Cybernetics, 2023, 14, 3281-3293.	3.6	3
2834	Separable Convolution Network With Dual-Stream Pyramid Enhanced Strategy for Speech Steganalysis. IEEE Transactions on Information Forensics and Security, 2023, 18, 2737-2750.	6.9	2
2835	Convolution-Based Channel-Frequency Attention for Text-Independent Speaker Verification. , 2023, , .		1
2836	CNN Filter for Super-Resolution with RPR Functionality in VVC. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
2837	Emergency Evacuation Simulation Study Based on Improved YOLOv5s and Anylogic. Applied Sciences (Switzerland), 2023, 13, 5812.	2.5	1
2838	Truncated attention-aware proposal networks with multi-scale dilation for temporal action detection. Pattern Recognition, 2023, 142, 109684.	8.1	1
2839	Research on real-time teachersâ€™ facial expression recognition based on YOLOv5 and attention mechanisms. Eurasip Journal on Advances in Signal Processing, 2023, 2023, .	1.7	1
2840	DPF-Net: A Dual-Path Progressive Fusion Network for Retinal Vessel Segmentation. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-17.	4.7	1
2841	Urban scene segmentation model based on multi-scale shuffle features. Mathematical Biosciences and Engineering, 2023, 20, 11763-11784.	1.9	0
2842	BPAT-UNet: Boundary preserving assembled transformer UNet for ultrasound thyroid nodule segmentation. Computer Methods and Programs in Biomedicine, 2023, 238, 107614.	4.7	7
2843	A Mental Stress Classification Method Based on Feature Fusion Using Physiological Signals. Journal of Circuits, Systems and Computers, 2024, 33, .	1.5	0
2844	Hyperspectral pathology image classification using dimension-driven multi-path attention residual network. Expert Systems With Applications, 2023, 230, 120615.	7.6	12
2845	Cross-sensor remote sensing imagery super-resolution via an edge-guided attention-based network. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 199, 226-241.	11.1	2
2846	Histopathological image classification using CNN with squeeze and excitation networks based on hybrid squeezing. Signal, Image and Video Processing, 0, , .	2.7	1
2847	An Effective Multi-Layer Attention Network for SAR Ship Detection. Journal of Marine Science and Engineering, 2023, 11, 906.	2.6	1
2848	Detection of Chrysanthemums Inflorescence Based on Improved CR-YOLOv5s Algorithm. Sensors, 2023, 23, 4234.	3.8	4
2849	Multi-scale spectral-spatial dual-transformer network for hyperspectral image classification. International Journal of Remote Sensing, 2023, 44, 2480-2494.	2.9	3
2850	Self-Supervised Spectral-Level Contrastive Learning for Hyperspectral Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-15.	6.3	4
2851	A sparse lightweight attention network for image super-resolution. Visual Computer, 2024, 40, 1261-1272.	3.5	0
2852	Alternative muscle synergy patterns of upper limb amputees. Cognitive Neurodynamics, 0, , .	4.0	1
2853	TL-Detector: Lightweight Based Real-Time Traffic Light Detection Model for Intelligent Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2023, , 1-15.	8.0	0
2854	CLS-Net: An Action Recognition Algorithm Based on Channel-Temporal Information Modeling. International Journal of Pattern Recognition and Artificial Intelligence, 0, , .	1.2	0

#	ARTICLE	IF	CITATIONS
2855	Realtime Crowd Monitoring—Estimating Count, Speed and Direction of People Using Hybridized YOLOv4. IEEE Access, 2023, 11, 56368-56379.	4.2	0
2856	A coherent framework for simultaneous detection and spotting of the nucleus phase from the mid-air gesticulation of alphanumeric keys. Soft Computing, 0, , .	3.6	0
2857	Diagnostic value of artificial intelligence-assisted endoscopy for chronic atrophic gastritis: a systematic review and meta-analysis. Frontiers in Medicine, 0, 10, .	2.6	1
2858	Research on Fault Diagnosis of Rolling Bearing Based on Lightweight Model With Multiscale Features. IEEE Sensors Journal, 2023, 23, 13236-13247.	4.7	5
2859	GeSAnet: Geospatial-Awareness Network for VHR Remote Sensing Image Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.3	1
2860	DED: Diagnostic Evidence Distillation for acne severity grading on face images. Expert Systems With Applications, 2023, 228, 120312.	7.6	3
2861	DMCT-Net: dual modules convolution transformer network for head and neck tumor segmentation in PET/CT. Physics in Medicine and Biology, 2023, 68, 115006.	3.0	2
2862	Segment aorta and localize landmarks simultaneously on noncontrast CT using a multitask learning framework for patients without severe vascular disease. Computers in Biology and Medicine, 2023, 160, 107002.	7.0	2
2863	CTA-FPN: Channel-Target Attention Feature Pyramid Network for Prohibited Object Detection in X-ray Images. Sensing and Imaging, 2023, 24, .	1.5	0
2864	Multiple Attention Network for Spartina alterniflora Segmentation Using Multitemporal Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-15.	6.3	4
2865	HAMPLE: deciphering TF-DNA binding mechanism in different cellular environments by characterizing higher-order nucleotide dependency. Bioinformatics, 2023, 39, .	4.1	2
2866	Deep learning-based methods for classification of microsatellite instability in endometrial cancer from HE-stained pathological images. Journal of Cancer Research and Clinical Oncology, 0, , .	2.5	1
2867	Fine coordinate attention for surface defect detection. Engineering Applications of Artificial Intelligence, 2023, 123, 106368.	8.1	5
2868	An Efficient Multi-Task Synergetic Network for Polyp Segmentation and Classification. IEEE Journal of Biomedical and Health Informatics, 2024, 28, 1228-1239.	6.3	1
2869	Attention—guided multi—scale context aggregation network for multi—modal brain glioma segmentation. Medical Physics, 2023, 50, 7629-7640.	3.0	0
2870	Petrochemical Equipment Tracking by Improved Yolov7 Network and Hybrid Matching in Moving Scenes. Sensors, 2023, 23, 4546.	3.8	0
2871	Neighboring-Part Dependency Mining and Feature Fusion Network for Person Re-Identification. IEEE Access, 2023, 11, 49760-49771.	4.2	0
2872	Robust and efficient abdominal CT segmentation using shape constrained multi-scale attention network. Physica Medica, 2023, 110, 102595.	0.7	1

#	ARTICLE	IF	CITATIONS
2873	Economic Fruit Forest Classification Based on Improved U-Net Model in UAV Multispectral Imagery. Remote Sensing, 2023, 15, 2500.	4.0	3
2874	Feature refinement with multi-level context for object detection. Machine Vision and Applications, 2023, 34, .	2.7	1
2875	Fuzzy-VGG: A fast deep learning method for predicting the staging of Alzheimer's disease based on brain MRI. Information Sciences, 2023, 642, 119129.	6.9	1
2876	A Deep-Learning-Based Low-Cost Micro-Leakage Measurement System for Industrial Applications. IEEE/ASME Transactions on Mechatronics, 2024, 29, 119-130.	5.8	1
2877	Classification of Typical Pests and Diseases of Rice Based on the ECA Attention Mechanism. Agriculture (Switzerland), 2023, 13, 1066.	3.1	4
2878	Lightweight single image super-resolution based on multi-path progressive feature fusion and attention mechanism. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	1
2880	Contactless Palm Vein Recognition Based on Attention-Gated Residual U-Net and ECA-ResNet. Applied Sciences (Switzerland), 2023, 13, 6363.	2.5	2
2881	MSAFFNet: A Multiscale Label-Supervised Attention Feature Fusion Network for Infrared Small Target Detection. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-16.	6.3	6
2882	Vision-based fruit recognition via multi-scale attention CNN. Computers and Electronics in Agriculture, 2023, 210, 107911.	7.7	6
2883	An effective approach based on nonlinear spectrum and improved convolution neural network for analog circuit fault diagnosis. Review of Scientific Instruments, 2023, 94, .	1.3	2
2884	PCB defects target detection combining multi-scale and attention mechanism. Engineering Applications of Artificial Intelligence, 2023, 123, 106359.	8.1	5
2885	A Lightweight Radar Ship Detection Framework with Hybrid Attentions. Remote Sensing, 2023, 15, 2743.	4.0	7
2886	Underwater Object Detection Algorithm Based on Adding Channel and Spatial Fusion Attention Mechanism. Journal of Marine Science and Engineering, 2023, 11, 1116.	2.6	3
2887	COVID19-ResCapsNet: A Novel Residual Capsule Network for COVID-19 Detection from Chest X-Ray Scans Images. IEEE Access, 2023, , 1-1.	4.2	0
2888	CNN2D-SENet-Based Prospecting Prediction Method: A Case Study from the Cu Deposits in the Zhunuo Mineral Concentrate Area in Tibet. Minerals (Basel, Switzerland), 2023, 13, 730.	2.0	4
2889	A real-time lane detection network using two-directional separation attention. Computer-Aided Civil and Infrastructure Engineering, 2024, 39, 86-101.	9.8	3
2890	Deep learning-based lightweight radar target detection method. Journal of Real-Time Image Processing, 2023, 20, .	3.5	2
2891	Video-based neonatal pain expression recognition with cross-stream attention. Multimedia Tools and Applications, 2024, 83, 4667-4690.	3.9	1

#	ARTICLE	IF	CITATIONS
2892	An object detection approach with residual feature fusion and second-order term attention mechanism. CAAI Transactions on Intelligence Technology, 0, , .	8.1	0
2893	Improved YOLOv7 Network Model for Gangue Selection Robot for Gangue and Foreign Matter Detection in Coal. Sensors, 2023, 23, 5140.	3.8	1
2894	An Emotion Recognition Method Based On Feature Fusion and Self-Supervised Learning. , 2023, , .		0
2895	Delineation of clinical target volume and organs at risk in cervical cancer radiotherapy by deep learning networks. Medical Physics, 2023, 50, 6354-6365.	3.0	3
2896	AENet: attention efficient network for cross-view image geo-localization. Electronic Research Archive, 2023, 31, 4119-4138.	0.9	0
2897	CAM-VT: A Weakly supervised cervical cancer nest image identification approach using conjugated attention mechanism and visual transformer. Computers in Biology and Medicine, 2023, 162, 107070.	7.0	8
2898	SGFNet: Semantic-Guided Fusion Network for RGB-Thermal Semantic Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 7737-7748.	8.3	2
2899	The multi-modal fusion in visual question answering: a review of attention mechanisms. PeerJ Computer Science, 0, 9, e1400.	4.5	140
2900	Temporal-Spatial Dynamic Convolutional Neural Network for Human Activity Recognition Using Wearable Sensors. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-12.	4.7	1
2901	Improvement of deep learning Method for water body segmentation of remote sensing images based on attention modules. Earth Science Informatics, 2023, 16, 2865-2876.	3.2	5
2902	A CNNA-Based Lightweight Multi-Scale Tomato Pest and Disease Classification Method. Sustainability, 2023, 15, 8813.	3.2	1
2903	AlphaTracker: a multi-animal tracking and behavioral analysis tool. Frontiers in Behavioral Neuroscience, 0, 17, .	2.0	3
2904	Nailfold Capillary Segmentation Based on U-Net and Attention Mechanism. , 2023, , .		0
2905	Hybrid Domain Consistency Constraints-Based Deep Neural Network for Facial Expression Recognition. Sensors, 2023, 23, 5201.	3.8	0
2906	First-Person Video Domain Adaptation with Multi-Scene Cross-Site Datasets and Attention-Based Methods. IEEE Transactions on Circuits and Systems for Video Technology, 2023, , 1-1.	8.3	1
2907	Image embedding for denoising generative models. Artificial Intelligence Review, 2023, 56, 14511-14533.	15.7	2
2908	GABNet: global attention block for retinal OCT disease classification. Frontiers in Neuroscience, 0, 17, .	2.8	4
2909	A Multi-Attention Autoencoder for Hyperspectral Unmixing Based on the Extended Linear Mixing Model. Remote Sensing, 2023, 15, 2898.	4.0	3

#	ARTICLE	IF	CITATIONS
2910	Differential diagnosis of hepatocellular carcinoma and intrahepatic cholangiocarcinoma based on spatial and channel attention mechanisms. Journal of Cancer Research and Clinical Oncology, 2023, 149, 10161-10168.	2.5	4
2911	OTB-AAE: Semi-Supervised Anomaly Detection on Industrial Images Based on Adversarial Autoencoder With Output-Turn-Back Structure. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-14.	4.7	1
2912	Mask Wearing Detection System Based On YOLO And Raspberry Pi. , 2023, , .		0
2913	Deep learning-based welding image recognition: A comprehensive review. Journal of Manufacturing Systems, 2023, 68, 601-625.	13.9	7
2914	A Super-Resolution Data Processing for Automatic Modulation Classification Based on Tree Compression Networks. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-13.	4.7	0
2915	An Improved Lightweight YOLOv5 Algorithm for Detecting Strawberry Diseases. IEEE Access, 2023, 11, 54080-54092.	4.2	8
2916	PCB surface defect fast detection method based on attention and multi-source fusion. Multimedia Tools and Applications, 2024, 83, 5451-5472.	3.9	2
2917	Real-time driver behaviour recognition. , 2023, , 109-129.		0
2918	Deep Learning-Based Damage Inspection for Concrete Structures. Advances in Civil and Industrial Engineering Book Series, 2023, , 19-45.	0.2	0
2919	A dual attention network for automatic metallic corrosion detection in natural environment. Journal of Building Engineering, 2023, 75, 107014.	3.4	0
2920	Deep-Learning Model of ResNet Combined with CBAM for Malignant&quot;Benign Pulmonary Nodules Classification on Computed Tomography Images. Medicina (Lithuania), 2023, 59, 1088.	2.0	4
2921	On Deep Recurrent Reinforcement Learning for Active Visual Tracking of Space Noncooperative Objects. IEEE Robotics and Automation Letters, 2023, 8, 4418-4425.	5.1	1
2922	Research of segmentation recognition of small disease spots on apple leaves based on hybrid loss function and CBAM. Frontiers in Plant Science, 0, 14, .	3.6	3
2923	A micro-hyperspectral image classification method of gallbladder cancer based on multi-scale fusion attention mechanism. , 2023, 28, 1173-1185.		0
2924	TCN Stock Price Prediction Model Based on Channel Attention Mechanism. , 2023, , .		0
2925	AI-aided holographic flow cytometry for label-free identification of ovarian cancer cells in the presence of unbalanced datasets. APL Bioengineering, 2023, 7, .	6.2	3
2926	F-DARTS: Foveated Differentiable Architecture Search Based Multimodal Medical Image Fusion. IEEE Transactions on Medical Imaging, 2023, , 1-1.	8.9	2
2927	Segmentation of multi-regional skeletal muscle in abdominal CT image for cirrhotic sarcopenia diagnosis. Frontiers in Neuroscience, 0, 17, .	2.8	0

#	ARTICLE	IF	CITATIONS
2928	Cross-layer connected network with adaptive attention mechanism for 3D multi-organ and tumor segmentations from CT. Optics and Laser Technology, 2023, 167, 109662.	4.6	1
2929	Pseudo 3D Pose Recognition Network. IEEE Access, 2023, 11, 56380-56391.	4.2	0
2930	Sleep staging based on single-channel EEG and EOG with Tiny U-Net. Computers in Biology and Medicine, 2023, 163, 107127.	7.0	2
2931	An Intelligent Detection Approach for Smoking Behavior. International Journal of Cognitive Informatics and Natural Intelligence, 2023, 17, 1-18.	0.4	0
2932	A method of knowledge distillation based on feature fusion and attention mechanism for complex traffic scenes. Engineering Applications of Artificial Intelligence, 2023, 124, 106533.	8.1	3
2933	Mutual learning generative adversarial network. Multimedia Tools and Applications, 2024, 83, 7479-7503.	3.9	0
2935	The Image Data and Backbone in Weakly Supervised Fine-Grained Visual Categorization: A Revisit and Further Thinking. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 2-16.	8.3	2
2936	EMCÂ²A-Net: An Efficient Multibranch Cross-Channel Attention Network for SAR Target Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.3	0
2937	Adaptive Gated Attention Network With Weighted Metric Enhancement for Fault Diagnosis of Wind Turbine Gearbox. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-8.	4.7	0
2938	MBIAN: Multi-level bilateral interactive attention network for multi-modal image processing. Expert Systems With Applications, 2023, 231, 120733.	7.6	0
2939	Jointed Task of Multi-scale CNN Based Power Transformer Fault Diagnosis with Vibration and Sound Signals. , 2023, , .		1
2940	MCHA-Net: A multi-end composite higher-order attention network guided with hierarchical supervised signal for high-resolution remote sensing image change detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 202, 40-68.	11.1	4
2941	A Novel Multiperson Activity Recognition Algorithm Based on Point Clouds Measured by Millimeter-Wave MIMO Radar. IEEE Sensors Journal, 2023, 23, 19509-19523.	4.7	0
2942	SiamBAG: Band Attention Grouping-Based Siamese Object Tracking Network for Hyperspectral Videos. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-12.	6.3	6
2943	Three-Dimension Attention Mechanism and Self-Supervised Pretext Task for Augmenting Few-Shot Learning. IEEE Access, 2023, 11, 59428-59437.	4.2	0
2944	A mixed attention-gated U-Net for continuous cuffless blood pressure estimation. Signal, Image and Video Processing, 2023, 17, 4143-4151.	2.7	1
2945	SFF-Siam: A New Oracle Bone Rejoining Method Based on Siamese Network. IEEE Computer Graphics and Applications, 2023, 43, 22-32.	1.2	0
2946	Dynamic Feature Attention Network for Remote Sensing Image Dehazing. Neural Processing Letters, 0, , .	3.2	0

#	ARTICLE	IF	CITATIONS
2947	Hand Gesture Authentication by Discovering Fine-Grained Spatiotemporal Identity Characteristics. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 461-474.	8.3	1
2948	Learning discriminative feature representation with pixel-level supervision for forest smoke recognition. Pattern Recognition, 2023, 143, 109761.	8.1	15
2949	Digital twin-assisted enhanced meta-transfer learning for rolling bearing fault diagnosis. Mechanical Systems and Signal Processing, 2023, 200, 110490.	8.0	8
2950	MS3Net: Multiscale stratified-split symmetric network with quadra-view attention for hyperspectral image classification. Signal Processing, 2023, 212, 109153.	3.7	5
2951	Pixel-Wise Attention Residual Network for Super-Resolution of Optical Remote Sensing Images. Remote Sensing, 2023, 15, 3139.	4.0	2
2952	Research on semantic segmentation of x-ray weld seam based on region enhancement and transfer feature information correction. Multimedia Tools and Applications, 2024, 83, 8241-8265.	3.9	2
2953	Lung Segmentation in CT scans with Residual Convolutional and Attention Learning-based U-Net. , 2023, , .		1
2954	Fault diagnosis of pumping system based on multimodal attention learning (CBMA Learning). Journal of Process Control, 2023, 128, 103006.	3.3	1
2955	TbsNet: the importance of thin-branch structures in CNNs. PeerJ Computer Science, 0, 9, e1429.	4.5	0
2956	Automatic Segmentation of Pneumothorax in Chest Radiographs Based on Dual-Task Interactive Learning Method. , 2023, , .		0
2957	Driver vigilance detection based on deep learning with fused thermal image information for public transportation. Engineering Applications of Artificial Intelligence, 2023, 124, 106604.	8.1	4
2958	Cutout with patch-loss augmentation for improving generative adversarial networks against instability. Computer Vision and Image Understanding, 2023, 234, 103761.	4.7	2
2959	Recognition of Front-Vehicle Taillights Based on YOLOv5s. IEEE Access, 2023, 11, 61698-61709.	4.2	2
2960	ASVspoof 2021: Towards Spoofed and Deepfake Speech Detection in the Wild. IEEE/ACM Transactions on Audio Speech and Language Processing, 2023, 31, 2507-2522.	5.8	14
2961	Research on Object Detection and Recognition Method for UAV Aerial Images Based on Improved YOLOv5. Drones, 2023, 7, 402.	4.9	3
2962	Forest Fire Smoke Detection Based on Deep Learning Approaches and Unmanned Aerial Vehicle Images. Sensors, 2023, 23, 5702.	3.8	9
2963	MGFCTFuse: A Novel Fusion Approach for Infrared and Visible Images. Electronics (Switzerland), 2023, 12, 2740.	3.1	1
2964	Web Service Recommendation via Integrating Heterogeneous Graph Attention Network Representation and FiBiNET Score Prediction. IEEE Transactions on Services Computing, 2023, 16, 3837-3850.	4.6	1

#	ARTICLE	IF	CITATIONS
2965	FSformer: Fast-Slow Transformer for video action recognition. Image and Vision Computing, 2023, 137, 104740.	4.5	2
2966	Compound feature attention network with edge enhancement for low-dose CT denoising. Journal of X-Ray Science and Technology, 2023, , 1-19.	1.0	0
2967	Åÿ°ä°Žæ±±â°  ä¸ä¸çš„ç“‘ç—æ—æœ‰é™™èš‘â°  CTé†â»°æ—¹æ³•ç”ç©¶ç»¼4è¿°. Laser and Optoelectronics Progress, 2023, 60, 0811002.		
2968	A novel multiple targets detection method for service robots in the indoor complex scenes. Intelligent Service Robotics, 0, , .	2.6	0
2969	Mushroom Image Classification Based on Improved MobileNetV2. , 2022, , .		0
2970	Åÿ°ä°Žæ±±â°  æ°•é€šé“æ³•æ„Œ, äš•çš„èf, éf“Xâ...%ç%ç—¾ç—...â†‡ç±»ç©—æ³•. Laser and Optoelectronics Progress, 2023, 60, 1217001.		
2971	A feature aggregation network for multispectral pedestrian detection. Applied Intelligence, 2023, 53, 22117-22131.	5.3	1
2972	Expansion Spectralâ€“Spatial Attention Network for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 6411-6427.	4.9	4
2973	Inter-patient congestive heart failure automatic recognition using attention-based multi-scale convolutional neural network. Measurement: Journal of the International Measurement Confederation, 2023, 218, 113239.	5.0	0
2974	A deep learning method combined with an electronic nose for gas information identification of soybean from different origins. Chemometrics and Intelligent Laboratory Systems, 2023, 240, 104906.	3.5	2
2975	Robust automatic modulation classification under noise mismatch. Eurasip Journal on Advances in Signal Processing, 2023, 2023, .	1.7	1
2976	WSAFormer-DFFN: A model for rotating machinery fault diagnosis using 1D window-based multi-head self-attention and deep feature fusion network. Engineering Applications of Artificial Intelligence, 2023, 124, 106633.	8.1	7
2977	A systematic review of object detection from images using deep learning. Multimedia Tools and Applications, 2024, 83, 12253-12338.	3.9	5
2978	IMSFNet: integrated multi-source feature network for salient object detection. Applied Intelligence, 2023, 53, 22228-22248.	5.3	2
2979	A two-branch trade-off neural network for balanced scoring sleep stages on multiple cohorts. Frontiers in Neuroscience, 0, 17, .	2.8	1
2980	A real-time and efficient surface defect detection method based on YOLOv4. Journal of Real-Time Image Processing, 2023, 20, .	3.5	2
2981	BCDetNet: a deep learning architecture for building change detection from bi-temporal high resolution satellite images. International Journal of Machine Learning and Cybernetics, 2023, 14, 4047-4062.	3.6	2
2982	Neutrino characterisation using convolutional neural networks in CHIPS water Cherenkov detectors. Journal of Instrumentation, 2023, 18, P06032.	1.2	0

#	ARTICLE	IF	CITATIONS
2983	Automatic identification of seismic faults via integrating Residual Network-50 residual blocks and convolutional block attention modules. Applied Geophysics, 2023, 20, 20-35.	0.6	0
2984	Global attention-enabled texture enhancement network for MR image reconstruction. Magnetic Resonance in Medicine, 2023, 90, 1919-1931.	3.0	1
2985	Identification of tea bud with improved DCGAN algorithm and GhostNet-RCLAM network. Journal of Food Measurement and Characterization, 0, , .	3.2	0
2987	A Causal Intervention Scheme for Semantic Segmentation of Quasi-Periodic Cardiovascular Signals. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 3175-3186.	6.3	1
2988	Gearbox compound fault diagnosis method based on deep adversarial graph convolution transfer learning network under low label ratios. Measurement Science and Technology, 2023, 34, 085010.	2.6	2
2989	Real-Time Automatic Assisted Detection of Uterine Fibroid in Ultrasound Images Using a Deep Learning Detector. Ultrasound in Medicine and Biology, 2023, 49, 1616-1626.	1.5	5
2990	Fast flame recognition algorithm base on segmentation network. , 2023, , .		1
2991	Complex-Valued Convolution and Frequency Global Filter for Automatic Modulation Recognition. IEEE Communications Letters, 2023, 27, 1779-1783.	4.1	1
2992	Emotion Recognition of EEG Signals Based on Channel Attention Convolution Neural Network. Lecture Notes in Electrical Engineering, 2023, , 90-97.	0.4	0
2993	CORSD: Class-Oriented Relational Self Distillation. , 2023, , .		0
2994	Learning discriminative correlation filters via saliency-aware channel selection for robust visual object tracking. Journal of Real-Time Image Processing, 2023, 20, .	3.5	0
2995	Progressive Meta-Pooling Learning for Lightweight Image Classification Model. , 2023, , .		1
2996	Optimized Quality Feature Learning for Video Quality Assessment. , 2023, , .		0
2997	Adapting Self-Supervised Models to Multi-Talker Speech Recognition Using Speaker Embeddings. , 2023, , .		1
2998	A Lightweight Object Detection Algorithm for Remote Sensing Images Based on Attention Mechanism and YOLOv5s. Remote Sensing, 2023, 15, 2429.	4.0	9
2999	Algorithm analysis of defect depth for PVC plate with flat-bottomed holes in active pulsed infrared thermography. Measurement Science and Technology, 2023, 34, 085404.	2.6	0
3000	Power Quality Disturbance Classification Based on Parallel Fusion of CNN and GRU. Energies, 2023, 16, 4029.	3.1	2
3001	A novel method for intelligent analysis of rice yield traits based on LED transmission imaging and cloud computing. Measurement: Journal of the International Measurement Confederation, 2023, 217, 113017.	5.0	1

#	ARTICLE	IF	CITATIONS
3002	YOLOX-Ray: An Efficient Attention-Based Single-Staged Object Detector Tailored for Industrial Inspections. <i>Sensors</i> , 2023, 23, 4681.	3.8	2
3003	Real-time fire detection algorithms running on small embedded devices based on MobileNetV3 and YOLOv4. <i>Fire Ecology</i> , 2023, 19, .	3.0	8
3004	Bird's-Eye-View Semantic Segmentation with Two-Stream Compact Depth Transformation and Feature Rectification. <i>IEEE Transactions on Intelligent Vehicles</i> , 2023, , 1-13.	12.7	0
3005	TCCL-Net: Transformer-Convolution Collaborative Learning Network for Omnidirectional Image Super-Resolution. <i>Knowledge-Based Systems</i> , 2023, 274, 110625.	7.1	1
3006	Local to non-local: Multi-scale progressive attention network for image restoration. <i>Computer Vision and Image Understanding</i> , 2023, 233, 103725.	4.7	2
3007	Robust attention ranking architecture with frequency-domain transform to defend against adversarial samples. <i>Computer Vision and Image Understanding</i> , 2023, 233, 103717.	4.7	0
3008	Enriched multi-scale cascade pyramid features and guided context attention network for industrial surface defect detection. <i>Engineering Applications of Artificial Intelligence</i> , 2023, 123, 106369.	8.1	3
3009	Machine Learning Algorithm for Trend Analysis in Short term Forecasting of COVID-19 using Lung X-ray Images. <i>Journal of Physics: Conference Series</i> , 2023, 2467, 012001.	0.4	0
3010	An Improved Lightweight Real-Time Detection Algorithm Based on the Edge Computing Platform for UAV Images. <i>Electronics (Switzerland)</i> , 2023, 12, 2274.	3.1	3
3011	Zero-shot learning via visual feature enhancement and dual classifier learning for image recognition. <i>Information Sciences</i> , 2023, 642, 119161.	6.9	0
3012	SAR Image Aircraft Target Recognition Based on Improved YOLOv5. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 6160.	2.5	1
3013	CGBA-Net: context-guided bidirectional attention network for surgical instrument segmentation. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2023, 18, 1769-1781.	2.8	1
3014	Improving Reconstruction of Structured Illumination Microscopy Images via Dual-Domain Learning. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2023, 29, 1-12.	2.9	1
3015	HTC-Net: Hashimoto's thyroiditis ultrasound image classification model based on residual network reinforced by channel attention mechanism. <i>Health Information Science and Systems</i> , 2023, 11, .	5.2	1
3016	XGL-T transformer model for intelligent image captioning. <i>Multimedia Tools and Applications</i> , 2024, 83, 4219-4240.	3.9	0
3017	Denoising Method for Microseismic Signals with Convolutional Neural Network Based on Transfer Learning. <i>International Journal of Computational Intelligence Systems</i> , 2023, 16, .	2.7	2
3018	DBGru-SE: predicting drug-drug interactions based on double BiGRU and squeeze-and-excitation attention mechanism. <i>Briefings in Bioinformatics</i> , 2023, 24, .	6.5	2
3019	An Image Detection Method for Image Stabilization Deviation of the Tank Gunner's Primary Sight. <i>Sensors</i> , 2023, 23, 5039.	3.8	0

#	ARTICLE	IF	CITATIONS
3020	Deformable residual attention network for defect detection of train wheelset tread. Visual Computer, 2024, 40, 1775-1785.	3.5	1
3021	An anchor-based convolutional network for the near-surface camouflaged personnel detection of UAVs. Visual Computer, 2024, 40, 1659-1671.	3.5	1
3022	Object Tracking Method Combined with Lightweight Hybrid Attention Siamese Network. , 2022, , .		0
3023	Context Encoder Network with Channel-Wise Attention Mechanism for Nerve Fibers Detection in Corneal Confocal Microscopy Images. , 2022, , .		0
3024	CenterNet-Based Target Detection Method for Remote Sensing Images. , 2022, , .		0
3025	Sentiment Analysis using Text And Emoji's. , 2023, , .		1
3026	A Fall Detection Algorithm Based on Improved MobileNetV2. , 2022, , .		0
3027	HEU-Net: hybrid attention residual block-based network with external skip connections for metal corrosion semantic segmentation. Visual Computer, 2024, 40, 1273-1287.	3.5	1
3028	A semantic segmentation of the lung nodules using shape attention-guided contextual residual network. Physics in Medicine and Biology, 0, , .	3.0	0
3029	Remote Sensing Ship Detection and Classification Based on Improved BBAVectors Algorithm. Journal of Physics: Conference Series, 2023, 2522, 012012.	0.4	0
3030	A Spectralâ€Spatial Fusion Transformer Network for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-16.	6.3	6
3031	Abnormal Traffic Detection Based on Attention and Big Step Convolution. IEEE Access, 2023, 11, 64957-64967.	4.2	0
3032	Modality-based attention and dual-stream multiple instance convolutional neural network for predicting microvascular invasion of hepatocellular carcinoma. Frontiers in Oncology, 0, 13, .	2.8	1
3033	An Improved Deep Learning Network Based Defect Detection Algorithm for Lithium-ion Battery Pole Chip. , 2023, , .		0
3034	Object Detection for Rare Birds on the Plateau. , 2023, , .		0
3035	Efficientdet Based Visial Perception for Autonomous Driving. , 2023, , .		0
3036	SGSR-Net: Structure Semantics Guided LiDAR Super-Resolution Network for Indoor LiDAR SLAM. IEEE Transactions on Multimedia, 2024, 26, 1842-1854.	7.2	0
3037	PAF-Net: A Progressive and Adaptive Fusion Network for Pavement Crack Segmentation. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 12686-12700.	8.0	2

#	ARTICLE	IF	CITATIONS
3038	Efficient Feature Relation Learning Network for Cross-Spectral Image Patch Matching. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-17.	6.3	0
3039	DAEGAN: Generative adversarial network based on dual-domain attention-enhanced encoder-decoder for low-dose PET imaging. Biomedical Signal Processing and Control, 2023, 86, 105197.	5.7	2
3040	Helmet-wearing detection with intelligent learning approach. Journal of Intelligent and Fuzzy Systems, 2023, , 1-14.	1.4	0
3041	Adjustable enhancer for low-light image enhancement using multi-expressions fusion and convolutional kernel calibration. Multimedia Tools and Applications, 0, , .	3.9	1
3042	Attention-enhanced joint learning network for micro-video venue classification. Multimedia Tools and Applications, 0, , .	3.9	0
3043	Ensembling to Leverage the Interpretability of Medical Image Analysis Systems. IEEE Access, 2023, , 1-1.	4.2	0
3044	A Customized ECA-CRNN Model for Emotion Recognition Based on EEG Signals. Electronics (Switzerland), 2023, 12, 2900.	3.1	2
3045	CEAFFOD: Cross-Ensemble Attention-based Feature Fusion Architecture Towards a Robust and Real-time UAV-based Object Detection in Complex Scenarios. , 2023, , .		1
3046	An Adaptive Post-Processing Network With the Global-Local Aggregation for Semantic Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 1159-1173.	8.3	1
3047	Intelligent Grading of Tobacco Leaves Using an Improved Bilinear Convolutional Neural Network. IEEE Access, 2023, 11, 68153-68170.	4.2	1
3048	CAM R-CNN: End-to-End Object Detection with Class Activation Maps. Neural Processing Letters, 2023, 55, 10483-10499.	3.2	1
3049	PL-TARMI: A deep learning framework for pixel-level traffic crash risk map inference. Accident Analysis and Prevention, 2023, 191, 107174.	5.7	0
3050	SARNas: A Hardware-Aware SAR Target Detection Algorithm via Multiobjective Neural Architecture Search. IEEE Transactions on Geoscience and Remote Sensing, 2023, , 1-1.	6.3	1
3051	Cross-directional consistency network with adaptive layer normalization for multi-spectral vehicle re-identification and a high-quality benchmark. Information Fusion, 2023, 100, 101901.	19.1	3
3052	Lightweight Spatial-Spectral Network Based on 3D-2D Multi-Group Feature Extraction Module for Hyperspectral Image Classification. International Journal of Remote Sensing, 2023, 44, 3607-3634.	2.9	4
3053	Decomposed Guided Dynamic Filters for Efficient RGB-Guided Depth Completion. IEEE Transactions on Circuits and Systems for Video Technology, 2024, 34, 1186-1198.	8.3	0
3054	Intelligent pixel-level pavement marking detection using 2D laser pavement images. Measurement: Journal of the International Measurement Confederation, 2023, 219, 113269.	5.0	0
3056	A Lightweight Object Detection and Recognition Method Based on Light Global-Local Module for Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	3.1	0

#	ARTICLE	IF	CITATIONS
3057	Radiomics and artificial neural networks modelling for identification of high-risk carotid plaques. <i>Frontiers in Cardiovascular Medicine</i> , 0, 10, .	2.4	0
3058	Blood Cell Detection Method Based on Improved YOLOv5. <i>IEEE Access</i> , 2023, 11, 67987-67995.	4.2	1
3059	Tool Wear State Identification Based on Frequency Domain Denoising and Frequencies-Separation Attention Networks. , 2023, , .		0
3060	A lightweight temporal attention-based convolution neural network for driver's activity recognition in edge. <i>Computers and Electrical Engineering</i> , 2023, 110, 108861.	4.8	1
3061	Jamming Recognition of Carrier-Free UWB Cognitive Radar Based on MANet. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2023, 72, 1-13.	4.7	2
3062	Surface defect detection of smartphone glass based on deep learning. <i>International Journal of Advanced Manufacturing Technology</i> , 2023, 127, 5817-5829.	3.0	0
3063	A new model based on improved VGG16 for corn weed identification. <i>Frontiers in Plant Science</i> , 0, 14, .	3.6	2
3064	A Multi-Target Detection Method Based on Improved U-Net for UWB MIMO Through-Wall Radar. <i>Remote Sensing</i> , 2023, 15, 3434.	4.0	0
3065	Multi-scale convolutional attention network for lightweight image super-resolution. <i>Journal of Visual Communication and Image Representation</i> , 2023, 95, 103889.	2.8	2
3066	A Lightweight Pipeline Defect Detection Method via Structural Reparameterization Technique and Ghost Convolution. , 2023, , .		0
3067	BreastDM: A DCE-MRI dataset for breast tumor image segmentation and classification. <i>Computers in Biology and Medicine</i> , 2023, 164, 107255.	7.0	6
3068	Large Kernel Spectral and Spatial Attention Networks for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2023, 61, 1-15.	6.3	3
3069	CFU-Net: A Coarse-Fine U-Net With Multilevel Attention for Medical Image Segmentation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2023, 72, 1-12.	4.7	1
3070	Deep Camera-Radar Fusion with an Attention Framework for Autonomous Vehicle Vision in Foggy Weather Conditions. <i>Sensors</i> , 2023, 23, 6255.	3.8	1
3071	A Novel Competitive Temporal Convolutional Network for Remaining Useful Life Prediction of Rolling Bearings. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2023, 72, 1-12.	4.7	0
3072	Local Enhancing Transformer With Temporal Convolutional Attention Mechanism for Bearings Remaining Useful Life Prediction. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2023, 72, 1-12.	4.7	3
3073	An Algorithm Based on DAF-Net++ Model for Wood Annual Rings Segmentation. <i>Electronics (Switzerland)</i> , 2023, 12, 3009.	3.1	0
3074	MNGNAS: Distilling Adaptive Combination of Multiple Searched Networks for One-Shot Neural Architecture Search. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2023, , 1-20.	13.9	3

#	ARTICLE	IF	CITATIONS
3075	Efficient Conflict-Filtered Network for Defect Detection. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-14.	4.7	0
3076	Deep learning perception for self-driving cars: A survey on what to expect. AIP Conference Proceedings, 2023, , .	0.4	0
3077	SCFANet: Semantics and Context Feature Aggregation Network for 360° Salient Object Detection. IEEE Transactions on Multimedia, 2024, 26, 2276-2288.	7.2	0
3078	Compact Depth-Wise Separable Precise Network for Depth Completion. IEEE Access, 2023, 11, 72679-72688.	4.2	1
3079	Improvement and application of UNet network for avoiding the effect of urban dense high-rise buildings and other feature shadows on water body extraction. International Journal of Remote Sensing, 2023, 44, 3861-3891.	2.9	0
3080	Deep Learning Based Pilot-Free Transmission: Error Correction Coding for Low-Resolution Reception Under Time-Varying Channels. IEEE Transactions on Vehicular Technology, 2023, 72, 16031-16041.	6.3	0
3081	Position Weighted Convolutional Neural Network for Unbalanced Children Caries Diagnosis. IEEE Access, 2023, , 1-1.	4.2	0
3082	An End-to-End Neural Network for Complex Electromagnetic Simulations. IEEE Antennas and Wireless Propagation Letters, 2023, 22, 2522-2526.	4.0	0
3083	Categorizing Crises From Social Media Feeds via Multimodal Channel Attention. IEEE Access, 2023, 11, 72037-72049.	4.2	0
3084	MJ-GAN: Generative Adversarial Network with Multi-Grained Feature Extraction and Joint Attention Fusion for Infrared and Visible Image Fusion. Sensors, 2023, 23, 6322.	3.8	2
3085	Brain Tumor Segmentation from MRI Images Using Deep Learning Techniques. Communications in Computer and Information Science, 2023, , 434-448.	0.5	0
3086	Efficient visual fault detection for freight train braking system via heterogeneous self distillation in the wild. Advanced Engineering Informatics, 2023, 57, 102091.	8.0	2
3087	Convolution With Rotation Invariance for Online Detection of Tiny Defects on Magnetic Tile Surface. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-12.	4.7	2
3088	Real-Time Damage Detection Method for Conveyor Belts Based on Improved YoloX. Journal of Failure Analysis and Prevention, 0, , .	0.9	1
3091	Semantic segmentation of satellite images for crop type identification in smallholder farms. Journal of Supercomputing, 0, , .	3.6	0
3092	3D CATBraTS: Channel Attention Transformer for Brain Tumour Semantic Segmentation. , 2023, , .		0
3093	InDeandCoE: A framework based on multi-scale feature fusion and residual learning for interferometric SAR remote sensing image denoising and coherence estimation. Displays, 2023, 79, 102496.	3.7	1
3094	Attention mechanism optimized neural network for automatic measurement of fetal anterior-neck-lower-jaw angle in nuchal translucency tests. Multimedia Tools and Applications, 0, , .	3.9	0

#	ARTICLE	IF	CITATIONS
3095	Robust Emotion Recognition Across Diverse Scenes: A Deep Neural Network Approach Integrating Contextual Cues. IEEE Access, 2023, 11, 73959-73970.	4.2	0
3096	Structural reasoning for image-based social relation recognition. Computer Vision and Image Understanding, 2023, 235, 103785.	4.7	0
3097	Multi-scale one-dimensional convolution tool wear monitoring based on multi-model fusion learning skills. Journal of Manufacturing Systems, 2023, 70, 69-98.	13.9	4
3099	A novel feature enhancement framework for rotating machinery fault identification under limited datasets. Applied Acoustics, 2023, 211, 109537.	3.3	3
3100	Online monitoring of crack dynamic development using attention-based deep networks. Automation in Construction, 2023, 154, 105022.	9.8	7
3101	Real-Time Stereo Matching Network Based on 3D Channel and Disparity Attention for Edge Devices Toward Autonomous Driving. IEEE Access, 2023, 11, 76781-76792.	4.2	0
3102	3DF-FCOS: Small object detection with 3D features based on FCOS. Computer Vision and Image Understanding, 2023, , 103787.	4.7	0
3103	SU-Net: pose estimation network for non-cooperative spacecraft on-orbit. Scientific Reports, 2023, 13, .	3.3	0
3104	RAMFAE: a novel unsupervised visual anomaly detection method based on autoencoder. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	0
3106	Facial Video-based Remote Physiological Measurement via Self-supervised Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, , 1-16.	13.9	2
3107	Detection of irregular small defects on metal base surface of infrared laser diode based on deep learning. Multimedia Tools and Applications, 2024, 83, 19181-19197.	3.9	0
3108	Plant image recognition with deep learning: A review. Computers and Electronics in Agriculture, 2023, 212, 108072.	7.7	8
3109	FedKNOW: Federated Continual Learning with Signature Task Knowledge Integration at Edge. , 2023, , .		0
3110	A Multi-modal celestial object classification network based on two-dimensional spectrum and photometric image. , 0, , .		0
3111	Siamese object tracking for unmanned aerial vehicle: a review and comprehensive analysis. Artificial Intelligence Review, 2023, 56, 1417-1477.	15.7	12
3112	ELS2T: Efficient Lightweight Spectralâ€Spatial Transformer for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-16.	6.3	5
3113	SET: a squeeze-and-excitation transformer for offline signature verification. , 2022, , .		0
3114	GSA-DLA34: a novel anchor-free method for human-vehicle detection. Applied Intelligence, 0, , .	5.3	0

#	ARTICLE	IF	CITATIONS
3115	Deep learning-based CSI feedback for IoT-oriented massive MIMO systems. , 2022, , .		0
3117	Traffic Conflicts Analysis in Penang Based on Improved Object Detection With Transformer Model. IEEE Access, 2023, 11, 84061-84073.	4.2	0
3118	Lithology identification technology of logging data based on deep learning model. Earth Science Informatics, 2023, 16, 2545-2557.	3.2	2
3119	Detection Mature Bud for Daylily Based on Faster R-CNN Integrated With CBAM. IEEE Access, 2023, 11, 81646-81655.	4.2	0
3120	A deep learning approach using attention mechanism and transfer learning for electromyographic hand gesture estimation. Expert Systems With Applications, 2023, 234, 121055.	7.6	7
3121	A method for detecting uneaten feed based on improved YOLOv5. Computers and Electronics in Agriculture, 2023, 212, 108101.	7.7	3
3122	Facial Expression Recognition Based on Fine-Tuned Channelâ€“Spatial Attention Transformer. Sensors, 2023, 23, 6799.	3.8	1
3123	Human Face Detector withâ€“Gender Identification byâ€“Split-Based Inception Block andâ€“Regulated Attention Module. Communications in Computer and Information Science, 2023, , 163-177.	0.5	1
3124	SE-YOLOv7 Landslide Detection Algorithm Based on Attention Mechanism and Improved Loss Function. Land, 2023, 12, 1522.	2.9	1
3125	Differentiable Architecture Search Algorithm Based on Global Comparison. IEEE Access, 2023, 11, 82674-82684.	4.2	0
3126	Multi-scale attention-based lightweight network with dilated convolutions for infrared and visible image fusion. Complex & Intelligent Systems, 2024, 10, 705-719.	6.5	0
3127	Coal-Rock Image Recognition Method for Complex and Harsh Environment in Coal Mine Using Deep Learning Models. IEEE Access, 2023, 11, 80794-80805.	4.2	1
3128	Co-ERA-Net: Co-Supervision and Enhanced Region Attention for Accurate Segmentation in COVID-19 Chest Infection Images. Bioengineering, 2023, 10, 928.	3.5	0
3129	A deep learning approach for automatic tumor delineation in stereotactic radiotherapy for non-small cell lung cancer using diagnostic PET-CT and planning CT. Frontiers in Oncology, 0, 13, .	2.8	1
3130	An Efficient and Controllable Capsule Network for Classification of Maritime Moving Targets. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-10.	6.3	0
3131	Adaptive occlusion hybrid second-order attention network for head pose estimation. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	0
3132	Yolo-MSAPF: Multiscale Alignment Fusion With Parallel Feature Filtering Model for High Accuracy Weld Defect Detection. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-14.	4.7	1
3134	Down-scale simplified non-local attention networks with application to image denoising. Signal, Image and Video Processing, 2024, 18, 47-54.	2.7	0

#	ARTICLE	IF	CITATIONS
3135	Multi-domain mixup for scenario-universal face anti-spoofing. Computers and Graphics, 2023, 116, 327-335.	2.5	0
3136	EEG-CDILNet: a lightweight and accurate CNN network using circular dilated convolution for motor imagery classification. Journal of Neural Engineering, 2023, 20, 046031.	3.5	1
3137	Recognizing Human-object Interactions for a Home Assistive Robot. , 2023, , .		0
3138	Intra-block pyramid cross-scale network for thermal radiation effect correction of uncooled infrared images. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2023, 40, 1779.	1.5	2
3139	Daytime Sea Fog Identification Based on Multi-Satellite Information and the ECA-TransUnet Model. Remote Sensing, 2023, 15, 3949.	4.0	0
3140	Identification of Facial Emotions Using Reinforcement model under Deep Learning. ITM Web of Conferences, 2023, 56, 03004.	0.5	0
3141	A Method for Speaker Recognition Based on the ResNeXt Network Under Challenging Acoustic Conditions. IEEE Access, 2023, 11, 84500-84513.	4.2	0
3142	Multi-target Detection of Metal Parts Based on Improved Deep Learning Algorithms. , 2023, , .		0
3143	Facial Expression Recognition Based on Zero-addition Pretext Training and Feature Conjunction-Selection Network in Human-Robot Interaction. IEEE Sensors Journal, 2023, , 1-1.	4.7	0
3144	YOLOv7 Optimization Model Based on Attention Mechanism Applied in Dense Scenes. Applied Sciences (Switzerland), 2023, 13, 9173.	2.5	1
3145	NTIRE 2023 Challenge on Image Denoising: Methods and Results. , 2023, , .		14
3146	Exploring the Potential of Neural Dataset Search. , 2023, , .		0
3147	Multi-camera People Tracking With Mixture of Realistic and Synthetic Knowledge. , 2023, , .		1
3148	Detail R-CNN: Insulator Detection Based on Detail Feature Enhancement and Metric Learning. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-14.	4.7	2
3149	Speaker Recognition Based on the Joint Loss Function. Electronics (Switzerland), 2023, 12, 3447.	3.1	0
3150	Deep Learning-Based Automatic Modulation Recognition in OTFS and OFDM systems. , 2023, , .		0
3151	Multi-person Action Recognition Based on the HARNet Network in the Park Environment. Journal of Physics: Conference Series, 2023, 2562, 012016.	0.4	0
3153	Spatial and channel attention-based conditional Wasserstein GAN for direct and rapid image reconstruction in ultrasound computed tomography. Biomedical Engineering Letters, 0, , .	4.1	0

#	ARTICLE	IF	CITATIONS
3154	Application of Split Residual Multilevel Attention Network in Speaker Recognition. IEEE Access, 2023, 11, 89359-89368.	4.2	0
3155	Comprehensive Competition Mechanism in Palmprint Recognition. IEEE Transactions on Information Forensics and Security, 2023, 18, 5160-5170.	6.9	2
3156	SSRDet: Small Object Detection Based on Feature Pyramid Network. IEEE Access, 2023, , 1-1.	4.2	1
3157	Brain Tumor Detection Based on Deep Learning Approaches and Magnetic Resonance Imaging. Cancers, 2023, 15, 4172.	3.7	11
3158	Super-Resolution of Wireless Channel Characteristics: A Multitask Learning Model. IEEE Transactions on Antennas and Propagation, 2023, 71, 8197-8209.	5.1	0
3159	A Cell-Free Millimeter-Wave Channel Estimation Algorithm Based on Federated Learning. , 2023, , .		0
3160	RGA-Net: An Effective Deep Learning Method Combined With an Electronic Nose System to Identify the Pork Quality. IEEE Sensors Journal, 2023, 23, 22161-22168.	4.7	1
3161	ABUSDet: A Novel 2.5D deep learning model for automated breast ultrasound tumor detection. Applied Intelligence, 0, , .	5.3	0
3162	UNet segmentation network of COVID-19 CT images with multi-scale attention. Mathematical Biosciences and Engineering, 2023, 20, 16762-16785.	1.9	1
3163	InSAR Spatial-Heterogeneity Tropospheric Delay Correction in Steep Mountainous Areas Based on Deep Learning for Landslides Monitoring. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.3	4
3164	Learning Mutually Exclusive Part Representations for Fine-Grained Image Classification. IEEE Transactions on Multimedia, 2024, 26, 3113-3124.	7.2	0
3165	Road Extraction from High-Resolution Remote Sensing Images via Local and Global Context Reasoning. Remote Sensing, 2023, 15, 4177.	4.0	1
3166	LSAS: Lightweight Sub-attention Strategy for Alleviating Attention Bias Problem. , 2023, , .		0
3167	Hydrometeor Classification for Dual Polarization Weather Radar Based on SE-ResNeXt Combined with SVM. , 2022, , .		0
3168	Automatic Detection of Pathological Myopia Using Smartphone App. , 2022, , .		0
3169	Time-lapse Seismic Matching for CO <sub>2</sub> Plume Detection via Correlation-based Recurrent Attention Network. IEEE Transactions on Geoscience and Remote Sensing, 2023, , 1-1.	6.3	0
3170	Traffic Sign Detection Based on the Improved YOLOv5. Applied Sciences (Switzerland), 2023, 13, 9748.	2.5	3
3171	A High-Precision Detection Model of Small Objects in Maritime UAV Perspective Based on Improved YOLOv5. Journal of Marine Science and Engineering, 2023, 11, 1680.	2.6	1

#	ARTICLE	IF	CITATIONS
3172	Hybrid Attention Mechanism and Forward Feedback Unit for RGB-D Salient Object Detection. IEEE Access, 2023, 11, 96068-96080.	4.2	0
3173	Less Data-Dependent Seismic Noise Suppression Method Based on Transfer Learning With Attention Mechanism. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-11.	6.3	2
3174	ĤŸ°ă°Žæ³ˆæ,,ăŤ>ă1/4•ă1/4çš,,è1/2»é†ç°Ťă>3/4ăfèŦ...ăˆ†è3/4ˆˆçŽ†ç1/2ˆˆç»œ. Laser and Optoelectronics Progress, 2023, 60, 14100100.	6.3	2
3175	ĤŸ°ă°Žç%°1ă3/4ăŸ°ă°èžă°ăŽæ³ˆæ,,ăŤ>çš,,ă...%°ăœ°ă>3/4ăfèŦ...ăˆ†è3/4ˆˆçŽ†. Laser and Optoelectronics Progress, 2023, 60, 1410017.	6.3	2
3176	ESA-Net: An efficient scale-aware network for small crop pest detection. Expert Systems With Applications, 2024, 236, 121308.	7.6	1
3177	A ResNet-BiLSTM Multi-lead ECG Classification Method Embedded with Attention Mechanism. , 2023, , .		0
3178	Automated Artificial Intelligence Model Trained on a Large Data Set Can Detect Pancreas Cancer on Diagnostic Computed Tomography Scans As Well As Visually Occult Preinvasive Cancer on Prediagnostic Computed Tomography Scans. Gastroenterology, 2023, 165, 1533-1546.e4.	1.3	4
3179	An Anchor-Free Detector With Channel-Based Prior and Bottom-Enhancement for Underwater Object Detection. IEEE Sensors Journal, 2023, 23, 24800-24811.	4.7	1
3180	Hyperspectral image super-resolution via double-flow pretreatment network. Multimedia Tools and Applications, 2024, 83, 28027-28038.	3.9	0
3181	Detection Method of Infected Wood on Digital Orthophoto Map“Digital Surface Model Fusion Network. Remote Sensing, 2023, 15, 4295.	4.0	3
3182	Deep residual learning with attention mechanism for breast cancer classification. Soft Computing, 0, , .	3.6	0
3183	Age Group Recognizer based on Human Face Supporting Smart Digital Advertising Platforms. , 2023, , .		0
3184	A Comprehensive Review and a Taxonomy of Edge Machine Learning: Requirements, Paradigms, and Techniques. AI, 2023, 4, 729-786.	3.8	2
3185	An Improved Lightweight Network Using Attentive Feature Aggregation for Object Detection in Autonomous Driving. Journal of Low Power Electronics and Applications, 2023, 13, 49.	2.0	0
3186	Perceiving like a Bat: Hierarchical 3D Geometric“Semantic Scene Understanding Inspired by a Biomimetic Mechanism. Biomimetics, 2023, 8, 436.	3.3	1
3187	MultiNet-GS: Structured Road Perception Model Based on Multi-Task Convolutional Neural Network. Electronics (Switzerland), 2023, 12, 3994.	3.1	0
3188	GLF-Net: A Semantic Segmentation Model Fusing Global and Local Features for High-Resolution Remote Sensing Images. Remote Sensing, 2023, 15, 4649.	4.0	0
3189	Attention-based dual-color space fusion network for low-light image enhancement. Signal Processing: Image Communication, 2023, 119, 117060.	3.2	0

#	ARTICLE	IF	CITATIONS
3190	Bi-level Acoustic Scene Classification Using Lightweight Deep Learning Model. Circuits, Systems, and Signal Processing, 0, , .	2.0	0
3191	A real-time method for detecting bottom defects of lithium batteries based on an improved YOLOv5 model. Measurement Science and Technology, 2023, 34, 125149.	2.6	4
3192	The diagnostic value of chest X-ray scanning by the help of Artificial Intelligence in Heart Failure (ARTâ€INâ€HF). Clinical Cardiology, 2023, 46, 1562-1568.	1.8	1
3193	High-Performance Lightweight Fall Detection with an Improved YOLOv5s Algorithm. Machines, 2023, 11, 818.	2.2	0
3194	Short-term probabilistic load forecasting method based on uncertainty estimation and deep learning model considering meteorological factors. Electric Power Systems Research, 2023, 225, 109804.	3.6	1
3195	BFFNet: a bidirectional feature fusion network for semantic segmentation of remote sensing objects. International Journal of Intelligent Computing and Cybernetics, 2024, 17, 20-37.	2.7	3
3196	A swin transformer based bird nest detection approach with unmanned aerial vehicle images for power distribution and pole towers. IET Cyber-Physical Systems: Theory and Applications, 0, , .	3.3	0
3197	Visual attention condenser model for multiple disease detection from heterogeneous medical image modalities. Multimedia Tools and Applications, 2024, 83, 30563-30585.	3.9	1
3198	A Tiny Object Detection Approach for Maize Cleaning Operations. Foods, 2023, 12, 2885.	4.3	0
3199	Deep learningâ€mediated prediction of concealed accessory pathway based on sinus rhythmic electrocardiograms. Annals of Noninvasive Electrocardiology, 2023, 28, .	1.1	0
3200	Analysis of the Matchability of Reference Imagery for Aircraft Based on Regional Scene Perception. Remote Sensing, 2023, 15, 4353.	4.0	1
3201	CFFR-Net: A channel-wise features fusion and recalibration network for surgical instruments segmentation. Engineering Applications of Artificial Intelligence, 2023, 126, 107096.	8.1	0
3202	Spatial oblivion channel attention targeting intra-class diversity feature learning. Neural Networks, 2023, 167, 10-21.	5.9	0
3203	A lightweight surface defect detection framework combined with dual-domain attention mechanism. Expert Systems With Applications, 2024, 238, 121726.	7.6	5
3204	WAID: A Large-Scale Dataset for Wildlife Detection with Drones. Applied Sciences (Switzerland), 2023, 13, 10397.	2.5	4
3205	A resource-efficient ECG diagnosis model for mobile health devices. Information Sciences, 2023, 648, 119628.	6.9	1
3206	Automatic Detection Method for Black Smoke Vehicles Considering Motion Shadows. Sensors, 2023, 23, 8281.	3.8	1
3207	Multi-stage Deep Convolutional Neural Network for Histopathological Analysis of Osteosarcoma. Neural Computing and Applications, 2023, 35, 20351-20364.	5.6	0

#	ARTICLE	IF	CITATIONS
3208	A multidimensional feature fusion network based on MGSE and TAAC for video-based human action recognition. Neural Networks, 2023, 168, 496-507.	5.9	0
3209	Real-time and accurate estimation of surgical hemoglobin loss using deep learning-based medical sponges image analysis. Scientific Reports, 2023, 13, .	3.3	0
3210	MGDIN: Detail Injection Network for HSI and MSI Fusion Based on Multiscale and Global Contextual Features. International Journal of Remote Sensing, 2023, 44, 5574-5596.	2.9	1
3211	Hybrid Cross-Feature Interaction Attention Module for Object Detection in Intelligent Mobile Scenes. Remote Sensing, 2023, 15, 4991.	4.0	0
3212	Faster and Lightweight: An Improved YOLOv5 Object Detector for Remote Sensing Images. Remote Sensing, 2023, 15, 4974.	4.0	1
3213	Esophageal tissue segmentation on OCT images with hybrid attention network. Multimedia Tools and Applications, 0, , .	3.9	0
3214	Deep learning-driven MRI trigeminal nerve segmentation with SEVB-net. Frontiers in Neuroscience, 0, 17, .	2.8	0
3215	Structure correlation-aware attention for Iris recognition. Neural Computing and Applications, 2023, 35, 21071-21091.	5.6	0
3217	Multi-Featured Sea Ice Classification with SAR Image Based on Convolutional Neural Network. Remote Sensing, 2023, 15, 4014.	4.0	1
3218	Modeling and structural optimization design of switched reluctance motor based on fusing attention mechanism and CNN-BiLSTM. AEJ - Alexandria Engineering Journal, 2023, 80, 229-240.	6.4	3
3219	Coal Flow Foreign Body Classification Based on ESCBAM and Multi-Channel Feature Fusion. Sensors, 2023, 23, 6831.	3.8	0
3220	FBANet: Transfer Learning for Depression Recognition Using a Feature-Enhanced Bi-Level Attention Network. Entropy, 2023, 25, 1350.	2.2	0
3221	Bioinspired spiking spatiotemporal attention framework for lithium-ion batteries state-of-health estimation. Renewable and Sustainable Energy Reviews, 2023, 188, 113728.	16.4	2
3222	A deep learning-based detection method for pig body temperature using infrared thermography. Computers and Electronics in Agriculture, 2023, 213, 108200.	7.7	1
3223	A Novel DME-YOLO Structure in a High-Frequency Transformer Improves the Accuracy and Speed of Detection. Electronics (Switzerland), 2023, 12, 3982.	3.1	1
3224	Utility of deep learning for the diagnosis of cochlear malformation on temporal bone CT. Japanese Journal of Radiology, 2024, 42, 261-267.	2.4	0
3225	LAW-IFF Net: A semantic segmentation method for recognition of marine current turbine blade attachments under blurry edges. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 0, , .	0.5	1
3226	An overview of multimodal brain tumor MR image segmentation methods. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3227	MSA-YOLO: A Remote Sensing Object Detection Model Based on Multi-Scale Strip Attention. Sensors, 2023, 23, 6811.	3.8	2
3228	Tool remaining useful life prediction considering wear state based on hybrid attention network. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 0, , .	2.4	0
3229	YOLO-Lite: An Efficient Lightweight Network for SAR Ship Detection. Remote Sensing, 2023, 15, 3771.	4.0	9
3230	Domain-aware double attention network for zero-shot sketch-based image retrieval with similarity loss. Visual Computer, 0, , .	3.5	0
3231	Multi-Branch Hybrid Network Based on Adaptive Selection of Spatial-Spectral Kernel for Hyperspectral Image Classification. IEEE Access, 2023, 11, 80503-80517.	4.2	0
3232	Mastering Fencing Techniques with Machine Learning: A Video-Based Classification and Correction System. , 2023, , .		0
3233	Research on Coal and Gangue Recognition Method Based on Improved MobileNetV3 Network. , 2023, , .		0
3234	Finding Cycles in Graph: A Unified Approach for Various NER Tasks. , 2023, , .		0
3235	FPIseg: Iterative segmentation network based on feature pyramid for few-shot segmentation. IET Image Processing, 0, , .	2.5	0
3236	Active learning based on similarity level histogram and adaptive-scale sampling for very high resolution image classification. Neural Networks, 2023, 167, 22-35.	5.9	0
3237	A Physics-Induced Deep Learning Scheme for Electromagnetic Inverse Scattering. IEEE Transactions on Microwave Theory and Techniques, 2024, 72, 927-947.	4.6	1
3238	A dual-path residual attention fusion network for infrared and visible images. Optik, 2023, 290, 171251.	2.9	0
3239	A new method for the recognition of day instar of adult silkworms using feature fusion and image attention mechanism. Journal of Intelligent and Fuzzy Systems, 2023, , 1-13.	1.4	1
3240	A Sewer Pipeline Defect Detection Method Based on Improved YOLOv5. Processes, 2023, 11, 2508.	2.8	1
3241	Novel in-house knowledge-based automated planning system for lung cancer treated with intensity-modulated radiotherapy. Strahlentherapie Und Onkologie, 0, , .	2.0	0
3242	DDoS attack detection method based on One-Hot coding and improved ResNet18. , 2023, , .		1
3243	Revisiting Residual Networks for Adversarial Robustness. , 2023, , .		4
3244	Ultrahigh Resolution Image/Video Matting with Spatio-Temporal Sparsity. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3245	Mixed Attention-Based CrossX Network for Satellite Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 8022-8033.	4.9	0
3246	BO-MADRSN: Bayesian optimized multi-attention residual shrinkage networks for industrial soft sensor modeling. Measurement: Journal of the International Measurement Confederation, 2024, 224, 113477.	5.0	0
3247	Training SAR Ship Detectors From Scratch with Customized Convolutional Neural Network. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 8624-8636.	4.7	1
3248	Machine Learning-Based Analysis of Molar and Enantiomeric Ratios and Reaction Yields Using Images of Solid Mixtures. Industrial & Engineering Chemistry Research, 2023, 62, 13790-13798.	3.7	0
3249	Pedestrian Fall Detection Using Improved YOLOv5. , 2023, , .		0
3250	Global-and-local aware network for low-light image enhancement. Engineering Applications of Artificial Intelligence, 2023, 126, 106969.	8.1	1
3251	Multi-scale feature fusion network with local attention for lung segmentation. Signal Processing: Image Communication, 2023, 119, 117042.	3.2	0
3252	Residual Attention Assisted Calibrated Beam Training for mmWave Communication Systems. , 2023, , .		0
3253	Identification of tea quality at different picking periods: A hyperspectral system coupled with a multibranch kernel attention network. Food Chemistry, 2024, 433, 137307.	8.2	3
3254	MSSD: multi-scale object detector based on spatial pyramid depthwise convolution and efficient channel attention mechanism. Journal of Real-Time Image Processing, 2023, 20, .	3.5	1
3255	Performance improvement: A lightweight gas information classification method combined with an electronic nose system. Sensors and Actuators B: Chemical, 2023, 396, 134551.	7.8	2
3256	Pavement Distress Detection Using Street View Images Captured via Action Camera. IEEE Transactions on Intelligent Transportation Systems, 2023, , 1-10.	8.0	0
3257	Nested perceptron model and its learning algorithm. , 2023, , .		0
3258	Deep spatio-temporal 3D dilated dense neural network for traffic flow prediction. Expert Systems With Applications, 2024, 237, 121394.	7.6	1
3259	A Lightweight and Multisource Information Fusion Method for Real-Time Monitoring of Lump Coal on Mining Conveyor Belts. International Journal of Intelligent Systems, 2023, 2023, 1-11.	5.7	1
3260	KD-PAR: A knowledge distillation-based pedestrian attribute recognition model with multi-label mixed feature learning network. Expert Systems With Applications, 2024, 237, 121305.	7.6	16
3261	Spatial&quot;Temporal Attention Network for Depression Recognition from facial videos. Expert Systems With Applications, 2024, 237, 121410.	7.6	4
3262	ETIDCNet:Efficient Text Image Deblurring Convolution Neural Network. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3263	Intelligent Identification of Voltage Sag Causes Based on Multi Channel SE-ResNet Network. , 2023, , .		0
3264	Camouflage target segmentation based on reverse attention and self-interaction fusion. , 2023, , .		0
3265	Methods on COVID-19 Epidemic Curve Estimation during Emergency Based on Baidu Search Engine and ILL Traditional Surveillance in Beijing, China. Engineering, 2023, , .	6.7	1
3266	CS-MRI Reconstruction Using an Improved GAN with Dilated Residual Networks and Channel Attention Mechanism. Sensors, 2023, 23, 7685.	3.8	0
3267	Multispectral Image Pan-Sharpening Guided by Component Substitution Model. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.3	0
3268	Anomaly Detection of IoT traffic Based on LSTM and Attention Mechanism. , 2023, , .		0
3269	Computer Aided Diagnosis for COVID-19 in CT Images Utilizing Transfer Learning and Attention Mechanism. Journal of Shanghai Jiaotong University (Science), 0, , .	0.9	0
3270	A WaveNet-based convolutional neural network for river water level prediction. Journal of Hydroinformatics, 2023, 25, 2606-2624.	2.4	1
3271	MCA: Multidimensional collaborative attention in deep convolutional neural networks for image recognition. Engineering Applications of Artificial Intelligence, 2023, 126, 107079.	8.1	4
3272	A deep learning based sensor fusion method to diagnose tightening errors. Journal of Manufacturing Systems, 2023, 71, 59-69.	13.9	2
3273	Fault diagnosis of train traction motor bearing based on improved deep residual network. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , .	2.1	1
3274	A Lightweight High-Resolution RS Image Road Extraction Method Combining Multi-Scale and Attention Mechanism. IEEE Access, 2023, 11, 108956-108966.	4.2	0
3275	AN L <sub>2</sub> -Normalized Spatial Attention Network for Accurate and Fast Classification of Brain Tumors in 2D T1-Weighted CE-MRI Images. , 2023, , .		0
3276	Development and validation of an accurate smartphone application for measuring waist-to-hip circumference ratio. Npj Digital Medicine, 2023, 6, .	10.9	1
3277	Feature fusion attention network for underwater image enhancement. , 2023, , .		0
3278	Boosting fish counting in sonar images with global attention and point supervision. Engineering Applications of Artificial Intelligence, 2023, 126, 107093.	8.1	0
3279	Research on Spider Recognition Technology Based on Transfer Learning and Attention Mechanism. Symmetry, 2023, 15, 1727.	2.2	2
3280	Metadata and Image Features Co-Aware Semi-Supervised Vertical Federated Learning With Attention Mechanism. IEEE Transactions on Vehicular Technology, 2024, 73, 2520-2532.	6.3	0

#	ARTICLE	IF	CITATIONS
3281	Feature Enhancement and Fusion for RGB-T Salient Object Detection. , 2023, , .		0
3282	CMTFNet: CNN and Multiscale Transformer Fusion Network for Remote-Sensing Image Semantic Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-12.	6.3	4
3283	Stereo Cross-Attention Network for Unregistered Hyperspectral and Multispectral Image Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-15.	6.3	1
3284	Research on plant seeds recognition based on fine-grained image classification. Journal of Electronic Imaging, 2023, 32, .	0.9	0
3285	Deep-Aware Network for Removing Single Haze. Lecture Notes in Networks and Systems, 2024, , 181-191.	0.7	0
3286	Learning Without Real Data Annotations to Detect Hepatic Lesions in PET Images. IEEE Transactions on Biomedical Engineering, 2024, 71, 679-688.	4.2	1
3287	Artificial intelligenceâ€based PRO score assessment in actinic keratoses from LCâ€OCT imaging using Convolutional Neural Networks. JDDG - Journal of the German Society of Dermatology, 2023, 21, 1359-1366.	0.8	2
3288	Study on segmentation of blasting fragment images from open-pit mine based on U-CARFnet. PLoS ONE, 2023, 18, e0291115.	2.5	0
3289	Facial Expression Estimation Using Convolutional Neural Network with Upper and Lower Segmented Face Images. Lecture Notes in Computer Science, 2023, , 427-439.	1.3	0
3290	DSF-Net: A Dual Feature Shuffle Guided Multi-Field Fusion Network for SAR Small Ship Target Detection. Remote Sensing, 2023, 15, 4546.	4.0	0
3291	Unmanned Aerial Vehicle Autonomous Visual Landing through Visual Attention-Based Deep Reinforcement Learning. , 2023, , .		0
3293	ECC Signals Deep Compressive Sensing Framework Based on Multiscale Feature Fusion and SE Block. IEEE Access, 2023, 11, 104359-104372.	4.2	1
3294	Salient Object Detection in Optical Remote Sensing Images Driven by Transformer. IEEE Transactions on Image Processing, 2023, 32, 5257-5269.	9.8	3
3295	Shale Core Fracture Extraction Method Based On Edge Detection and Hierarchical Semantic Fusion Network. , 2023, , .		0
3296	An efficient multiscale integrated attention method combined with hyperspectral system to identify the quality of rice with different storage periods and humidity. Computers and Electronics in Agriculture, 2023, 213, 108259.	7.7	1
3297	A Multiscale Point-Supervised Network for Counting Maize Tassels in the Wild. Plant Phenomics, 2023, 5, .	5.9	18
3298	Video Anomaly Detection Based on Multiple Instance 3D Channel Attention. , 2023, , .		0
3299	Combination of deep learning and 2D CARS figures for identification of amyloid-Î² plaques. Optics Express, 2023, 31, 34413.	3.4	0

#	ARTICLE	IF	CITATIONS
3300	Large-Scale Time Series Forecasting with Meta-Learning. Palgrave Advances in the Economics of Innovation and Technology, 2023, , 221-250.	0.0	1
3301	Empirical Study on the Effect of Residual Networks on the Expressiveness of Linear Regions. Lecture Notes in Computer Science, 2023, , 174-185.	1.3	0
3302	Picture This: A Deep Learning Model for Operational Real Estate Emissions. Journal of Sustainable Real Estate, 2023, 15, .	1.4	0
3303	TransBoNet: Learning camera localization with Transformer Bottleneck and Attention. Pattern Recognition, 2024, 146, 109975.	8.1	0
3304	An ensemble deep-learning approach for single-trial EEG classification of vibration intensity. Journal of Neural Engineering, 2023, 20, 056027.	3.5	1
3305	Image Captioning forÂNantong Blue Calico Through Stacked Local-Global Channel Attention Network. Lecture Notes in Computer Science, 2023, , 357-372.	1.3	0
3306	DCVAE-adv: A Universal Adversarial Example Generation Method for White and Black Box Attacks. Tsinghua Science and Technology, 2024, 29, 430-446.	6.1	0
3307	Attention-Driven Dual Feature Guidance for Hyperspectral Super-Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-16.	6.3	0
3308	A Lightweight Assembly Part Identification and Positioning Method From a Robotic Arm Perspective. IEEE Access, 2023, 11, 104866-104878.	4.2	0
3309	LaneMP: Robust Lane Attention Detection Based onÂMutual Perception ofÂKeypoints. Lecture Notes in Computer Science, 2023, , 471-483.	1.3	0
3310	Boundary Attentive Spatial Multi-scale Network forÂCardiac MRI Image Segmentation. Lecture Notes in Computer Science, 2023, , 75-86.	1.3	0
3311	Aggregated-attention deformable convolutional network for few-shot SAR jamming recognition. Pattern Recognition, 2024, 146, 109990.	8.1	0
3312	Automated bone marrow cell classification through dual attention gates dense neural networks. Journal of Cancer Research and Clinical Oncology, 2023, 149, 16971-16981.	2.5	0
3313	Enhanced Security Contraband Detection through Integration of Attention Mechanism in R3Det. Journal of Physics: Conference Series, 2023, 2589, 012002.	0.4	0
3314	CECvT: Initial Diagnosis of Anomalies in Thermal Images. IEEE Access, 2023, 11, 108068-108079.	4.2	0
3315	Temporal-agnostic change region proposal for semantic change detection. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 204, 306-320.	11.1	2
3316	EAMNet: an Alzheimerâ€™s disease prediction model based on representation learning. Physics in Medicine and Biology, 2023, 68, 215005.	3.0	0
3317	Gastro-Intestinal Tract Image Segmentation using Edge U-Net and U-Net VGG19. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3318	Fault diagnosis of rotating machinery based on transfer learning with SENet module. , 2023, , .		0
3319	WeedsNet: a dual attention network with RGB-D image for weed detection in natural wheat field. Precision Agriculture, 0, , .	6.0	0
3320	Mitral Regurgitation Quantification from Multi-channel Ultrasound Images via Deep Learning. Lecture Notes in Computer Science, 2023, , 223-232.	1.3	0
3321	Towards a Deeper Understanding of Global Covariance Pooling in Deep Learning: An Optimization Perspective. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 15802-15819.	13.9	0
3323	RTAU-Net: A novel 3D rectal tumor segmentation model based on dual path fusion and attentional guidance. Computer Methods and Programs in Biomedicine, 2023, 242, 107842.	4.7	0
3324	FMM-X3D: FPGA-Based Modeling and Mapping of X3D for Human Action Recognition. , 2023, , .		1
3325	COVID-19 Detection and Recognition Based on Improved Faster R-CNN. , 2023, , .		0
3326	CIMNet: A Contextual Information Mining Network for Real-time Instance Segmentation. , 2023, , .		0
3327	A lightweight encoder-decoder network for automatic pavement crack detection. Computer-Aided Civil and Infrastructure Engineering, 0, , .	9.8	2
3328	A data-driven robotic tactile material recognition system based on electrode array bionic finger sensors. Sensors and Actuators A: Physical, 2023, 363, 114727.	4.1	0
3329	CLEP: Contrastive Learning for Epileptic Seizure Prediction Using a Spatio-Temporal-Spectral Network. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 3915-3926.	4.9	2
3330	GRA-Net: Global receptive attention network for surface defect detection. Knowledge-Based Systems, 2023, 280, 111066.	7.1	1
3331	End-to-End Pixel-Wisely Detection of Oceanic Eddy on SAR Images With Stacked Attention Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 9711-9724.	4.9	0
3332	An Improved Lightweight YOLOv5 Algorithm for Detecting Railway Catenary Hanging String. IEEE Access, 2023, 11, 114061-114070.	4.2	0
3333	Hybrid transformer-CNN with boundary-awareness network for 3D medical image segmentation. Applied Intelligence, 0, , .	5.3	0
3334	Nail Piece Detection Based on Lightweight Deep Learning Network. Lecture Notes in Electrical Engineering, 2023, , 549-558.	0.4	0
3335	Attention-based multiple siamese networks with primary representation guiding for offline signature verification. International Journal on Document Analysis and Recognition, 0, , .	3.4	0
3336	A Cross-Lesion Attention Network for Accurate Diabetic Retinopathy Grading With Fundus Images. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-12.	4.7	0

#	ARTICLE	IF	CITATIONS
3337	Attention-based dual-path feature fusion network for automatic skin lesion segmentation. BioData Mining, 2023, 16, .	4.0	0
3338	Single Image Super-Resolution Reconstruction Technique with Lightweight Dual-Branch Network. , 2023, , .		0
3339	Action recognition based on adaptive region perception. Neural Computing and Applications, 0, , .	5.6	0
3340	Ultrasonic Thyroid Nodule Benign-Malignant Classification with Multi-level Features Fusions. , 2023, , .		1
3341	Coarse-to-fine prior-guided attention network for multi-structure segmentation on dental panoramic radiographs. Physics in Medicine and Biology, 0, , .	3.0	0
3342	Prior Region Mask R-CNN for Thyroid Nodule Segmentation in Ultrasound Images. Lecture Notes in Computer Science, 2023, , 105-116.	1.3	0
3343	Enhancing Deep Learning Optimizers for Detecting Malware Using Line Search Method under Strong Wolfe Conditions. , 2023, , .		0
3344	Potato Leaf Disease Segmentation Method Based on Improved UNet. Applied Sciences (Switzerland), 2023, 13, 11179.	2.5	0
3345	Crack segmentation of imbalanced data: The role of loss functions. Engineering Structures, 2023, 297, 116988.	5.3	3
3346	Occluded Face In-painting Using Generative Adversarial Networksâ€”A Review. Lecture Notes in Computer Science, 2023, , 243-258.	1.3	1
3347	An effective method for small object detection in low-resolution images. Engineering Applications of Artificial Intelligence, 2024, 127, 107206.	8.1	1
3348	Saliency-Aware Dual Embedded Attention Network for Multivariate Time-Series Forecasting in Information Technology Operations. IEEE Transactions on Industrial Informatics, 2024, 20, 4206-4217.	11.3	0
3350	Occlusion relationship reasoning with a feature separation and interaction network. , 2023, 1, .		0
3351	IRL-Net: Inpainted Region Localization Network via Spatial Attention. IEEE Access, 2023, 11, 115677-115687.	4.2	0
3352	Adaptive Feature Fusion with Attention-Guided Small Target Detection in Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2023, , 1-1.	6.3	0
3353	A Fine-Grained Semantic Alignment Method Specific to Aggregate Multi-Scale Information for Cross-Modal Remote Sensing Image Retrieval. Sensors, 2023, 23, 8437.	3.8	0
3354	Metadata Improves Segmentation Through Multitasking Elicitation. Lecture Notes in Computer Science, 2024, , 147-155.	1.3	0
3355	A Novel Coal-Gangue Recognition Method for Top Coal Caving Face Based on IALO-VMD and Improved MobileNetV2 Network. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-16.	4.7	1

#	ARTICLE	IF	CITATIONS
3356	Lightweight Single Shot Multi-Box Detector: A fabric defect detection algorithm incorporating parallel dilated convolution and dual channel attention. Textile Research Journal, 2024, 94, 209-224.	2.2	1
3357	Enhancing model performance in detecting lodging areas in wheat fields using UAV RGB Imagery: Considering spatial and temporal variations. Computers and Electronics in Agriculture, 2023, 214, 108297.	7.7	3
3358	Research on Stable Cross-Domain Detection Method Based on Attention Mechanism. , 2023, , .		0
3360	An attention-based temporal convolutional network method for predicting remaining useful life of aero-engine. Engineering Applications of Artificial Intelligence, 2024, 127, 107241.	8.1	2
3361	CAENet: Contrast adaptively enhanced network for medical image segmentation based on a differentiable pooling function. Computers in Biology and Medicine, 2023, 167, 107578.	7.0	1
3363	Hyperspectral image classification using Second-Order Pooling with Graph Residual Unit Network. Expert Systems With Applications, 2024, 238, 122202.	7.6	0
3365	Influenza Epidemic Trend Surveillance and Prediction Based on Search Engine Data: Deep Learning Model Study. Journal of Medical Internet Research, 0, 25, e45085.	4.3	0
3367	Identification of apple leaf disease via novel attention mechanism based convolutional neural network. Frontiers in Plant Science, 0, 14, .	3.6	1
3368	An Improved YOLOX Algorithm based on Structural Re-parameterized CBAM for Wild Animals Detection. , 2022, , .		0
3369	AutoML: A systematic review on automated machine learning with neural architecture search. , 2024, 2, 52-81.		2
3371	GLEFFN: A Global-Local Event Feature Fusion Network for Micro-Expression Recognition. , 2023, , .		1
3372	Remote sensing image semantic segmentation method based on small target and edge feature enhancement. Journal of Applied Remote Sensing, 2023, 17, .	1.3	0
3373	Research on anti-clogging of ore conveyor belt with static image based on improved Fast-SCNN and U-Net. Scientific Reports, 2023, 13, .	3.3	0
3374	ULBPNet: Low-light image enhancement using U-shaped lightening back-projection. Knowledge-Based Systems, 2023, 281, 111099.	7.1	0
3375	Anterior mediastinal nodular lesion segmentation from chest computed tomography imaging using UNet based neural network with attention mechanisms. Multimedia Tools and Applications, 0, , .	3.9	0
3376	Group-Wise Shuffle Attention R-CNN for Ship Detection in Dual-Polarization SAR Images. , 2023, , .		0
3377	Learning neighbor-enhanced region representations and question-guided visual representations for visual question answering. Expert Systems With Applications, 2024, 238, 122239.	7.6	0
3378	Hierarchical Superpixel Relation Graph Combined with Convolutional Sparse Coding for Self-Supervised Hyperspectral Image Denoising. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3379	Group attention-based medical image segmentation model. , 2023, 28, 3231-3242.		0
3380	Lightweight Multiscale Attention-Aware Method for Semantic Segmentation of Urban Structural Buildings in Drone Aerial Imagery. , 2023, , .		0
3381	A-pruning: a lightweight pineapple flower counting network based on filter pruning. Complex & Intelligent Systems, 0, , .	6.5	0
3382	A hyperspectral band selection method based on sparse band attention network for maize seed variety identification. Expert Systems With Applications, 2024, 238, 122273.	7.6	1
3383	Multistage Progressive Interactive Fusion Network for Sentinel-2: High Resolution for All Bands. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 10191-10202.	4.9	0
3384	DE-VSNet: Dense Efficient Vehicle State Classification Using Drone Traffic Dataset. , 2023, , .		0
3385	MGFEI-Net: Multiscale Grouping Feedback Embedded Integrated Network for Panchromatic, Multispectral, and Hyperspectral Image Fusion. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-16.	6.3	0
3386	Knowledge Distillation for Human Pose Estimation Using Channel Dropout Strategy. , 2023, , .		0
3387	CL-SGD: Efficient Communication by Clustering and Local-SGD for Distributed Machine Learning. , 2023, , .		0
3388	Action Recognition Based on GCN with Adjacency Matrix Generation Module and Time Domain Attention Mechanism. Symmetry, 2023, 15, 1954.	2.2	0
3389	Depth estimation from a single-shot fringe pattern based on DD-Inceptionv2-UNet. Applied Optics, 2023, 62, 9144.	1.8	1
3390	Asymmetric dual-decoder-U-Net for pavement crack semantic segmentation. Automation in Construction, 2023, 156, 105138.	9.8	2
3391	Attention-Guided Neural Network for Face Mask Detection. Communications in Computer and Information Science, 2023, , 194-207.	0.5	0
3392	Small Target Detection Optimization Algorithm Based on Improved YOLOv5. , 2023, , .		0
3393	Feature fusion strategy and improved GhostNet for accurate recognition of fish feeding behavior. Computers and Electronics in Agriculture, 2023, 214, 108310.	7.7	0
3394	PSFNet: Efficient Detection of SAR Image Based on Petty-Specialized Feature Aggregation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 190-205.	4.9	0
3395	Towards Real-Time Sleep Stage Prediction and Online Calibration Based on Architecturally Switchable Deep Learning Models. IEEE Journal of Biomedical and Health Informatics, 2024, 28, 470-481.	6.3	0
3396	Deep Network-Assisted Quality Inspection of Laser Welding on Power Battery. Sensors, 2023, 23, 8894.	3.8	0

#	ARTICLE	IF	CITATIONS
3397	An interpretable anti-noise convolutional neural network for online chatter detection in thin-walled parts milling. Mechanical Systems and Signal Processing, 2024, 206, 110885.	8.0	2
3398	Additive margin networks with adaptive feature recalibration and its applications in Brain Stroke CT Image classification. IET Image Processing, 2024, 18, 731-740.	2.5	0
3399	Abnormal Behavior Recognition Based on Skeleton Key Points. , 2023, , .		0
3400	TSDet: A new method for traffic sign detection based on YOLOv5â€šwinT. IET Image Processing, 2024, 18, 875-885.	2.5	0
3401	Predicting OCT biological marker localization from weak annotations. Scientific Reports, 2023, 13, .	3.3	0
3402	EG-Net: Appearance-based eye gaze estimation using an efficient gaze network with attention mechanism. Expert Systems With Applications, 2024, 238, 122363.	7.6	0
3403	ASENN: attention-based selective embedding neural networks for road distress prediction. Journal of Big Data, 2023, 10, .	11.0	0
3404	A multi-task deep learning model for EGFR genotyping prediction and GTV segmentation of brain metastasis. Journal of Translational Medicine, 2023, 21, .	4.4	0
3405	<scp>Multiloss</scp> strategy for breast cancer subtype classification using digital breast tomosynthesis. International Journal of Imaging Systems and Technology, 2024, 34, .	4.1	0
3406	Lite-YOLOv3: a real-time object detector based on multi-scale slice depthwise convolution and lightweight attention mechanism. Journal of Real-Time Image Processing, 2023, 20, .	3.5	1
3407	A Binary Neural Network with Dual Attention for Plant Disease Classification. Electronics (Switzerland), 2023, 12, 4431.	3.1	0
3408	ERF-RTMDet: An Improved Small Object Detection Method in Remote Sensing Images. Remote Sensing, 2023, 15, 5575.	4.0	0
3409	Wheat Yield Prediction Using Unmanned Aerial Vehicle RGB-Imagery-Based Convolutional Neural Network and Limited Training Samples. Remote Sensing, 2023, 15, 5444.	4.0	0
3410	Predicting drugâ€“drug interactions based on multi-view and multichannel attention deep learning. Health Information Science and Systems, 2023, 11, .	5.2	0
3411	GTAMP-DTA: Graph transformer combined with attention mechanism for drug-target binding affinity prediction. Computational Biology and Chemistry, 2024, 108, 107982.	2.3	0
3412	Noncontact cable tension estimation using edge recognition technology based on convolutional network. Structures, 2023, 58, 105337.	3.6	0
3413	Pedestrian detection based on channel feature fusion and enhanced semantic segmentation. Applied Intelligence, 2023, 53, 30203-30218.	5.3	0
3414	Underwater image enhancement using adaptive standardization and normalization networks. Engineering Applications of Artificial Intelligence, 2024, 127, 107445.	8.1	0

#	ARTICLE	IF	CITATIONS
3415	Research on Real-time Detection of Stacked Objects Based on Deep Learning. Journal of Intelligent and Robotic Systems: Theory and Applications, 2023, 109, .	3.4	0
3416	Classification of microscopic peripheral blood cell images using multibranch lightweight CNN-based model. Neural Computing and Applications, 0, , .	5.6	1
3417	A Fine-Grained Domain Adaptation Method for Cross-Session Vigilance Estimation in SSVEP-Based BCI. Lecture Notes in Computer Science, 2024, , 67-80.	1.3	0
3418	Mini-Batch Alignment: A Deep-Learning Model for Domain Factor-Independent Feature Extraction for Wi-Fi CSI Data. Sensors, 2023, 23, 9534.	3.8	0
3419	A New Benchmark for Consumer Visual Tracking and Apparent Demographic Estimation from RGB and Thermal Images. Sensors, 2023, 23, 9510.	3.8	0
3420	A deep learning-based approach for assessment of bridge condition through fusion of multi-type inspection data. Engineering Applications of Artificial Intelligence, 2024, 128, 107468.	8.1	0
3421	Go-Game Image Recognition Based on Improved Pix2pix. Journal of Imaging, 2023, 9, 273.	3.0	0
3422	A Nondestructive Methodology for Determining Chemical Composition of Salvia miltiorrhiza via Hyperspectral Imaging Analysis and Squeeze-and-Excitation Residual Networks. Sensors, 2023, 23, 9345.	3.8	0
3423	GCAM: lightweight image inpainting via group convolution and attention mechanism. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	3
3424	Task-Agnostic Generalized Meta-learning Based on MAML for Few-Shot Bearing Fault Diagnosis. Lecture Notes in Computer Science, 2023, , 118-129.	1.3	1
3425	Double-branch deep convolutional neural network-based rice leaf diseases recognition and classification. Journal of Agricultural Engineering, 0, , .	1.5	0
3426	A Deep Learning-Based Paradigm for Retrieving Ocean Wave Spectra from Spaceborne SAR. , 2023, , .		0
3427	Nuclei detection in breast histopathology images with iterative correction. Medical and Biological Engineering and Computing, 0, , .	2.8	0
3428	Gas-Bearing Prediction Using a Hybrid Method Based on a Combination of PCA-FastICA and CNN With the Attention Mechanism. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-18.	6.3	0
3429	A survey of model compression strategies for object detection. Multimedia Tools and Applications, 0, , .	3.9	1
3430	Cracked Tongue Extraction Model Based on Improved U-Net Method. IEEE Access, 2023, 11, 126352-126364.	4.2	0
3431	Automatic delineation of laryngeal squamous cell carcinoma during endoscopy. Biomedical Signal Processing and Control, 2024, 88, 105666.	5.7	0
3432	GRAF: Gap region aware framework for Al-Si alloy microscopic image segmentation. Computational Materials Science, 2024, 231, 112620.	3.0	1

#	ARTICLE	IF	CITATIONS
3433	CrackF-Net: a pixel-level segmentation network for pavement crack detection. Journal of Electronic Imaging, 2023, 32, .	0.9	0
3434	FAANet: Feature-Augmented Attention Network for Surface Defect Detection of Metal Workpieces. Communications in Computer and Information Science, 2024, , 295-308.	0.5	0
3435	A Maturity Detection Method for Hemerocallis Citrina Baroni Based on Lightweight and Attention Mechanism. Applied Sciences (Switzerland), 2023, 13, 12043.	2.5	0
3436	Image Fusion Approach Based on Heterogeneous Dense Network. , 2023, , .		0
3437	Deep Learning-Based Standard Sign Language Discrimination. IEEE Access, 2023, 11, 125822-125834.	4.2	0
3438	Improved Traffic Sign Detection Model Based on YOLOv7-Tiny. IEEE Access, 2023, 11, 126555-126567.	4.2	0
3439	Breast Tumor Classification With Attention Model Enhancement Network. , 2023, , .		0
3440	Multilateral Semantic With Dual Relation Network for Remote Sensing Images Segmentation. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 506-518.	4.9	0
3441	Neural-network-driven method for optimal path planning via high-accuracy region prediction. Artificial Life and Robotics, 0, , .	1.2	0
3442	A Multi-Scale Attention-Based Network for Grape Disease Identification. , 2023, , .		0
3443	Using deep neural networks with graph attention to effective detection of speech spoofing. AIP Conference Proceedings, 2023, , .	0.4	0
3444	Scale-aware dimension-wise attention network for small ship instance segmentation in synthetic aperture radar images. Journal of Applied Remote Sensing, 2023, 17, .	1.3	2
3445	Learning traffic as videos: Short-term traffic flow prediction using mixed-pointwise convolution and channel attention mechanism. Expert Systems With Applications, 2024, 240, 122468.	7.6	0
3446	Klâ€basierte Bestimmung des PROâ€bScores in aktinischen Keratosen anhand von LCâ€bOCTâ€bBildatensÃtzen. JDDG - Journal of the German Society of Dermatology, 2023, 21, 1359-1368.	0.8	0
3447	Improved object detection via large kernel attention. Expert Systems With Applications, 2024, 240, 122507.	7.6	0
3448	Improved YOLOv3 Integrating SENet and Optimized GloU Loss for Occluded Pedestrian Detection. Sensors, 2023, 23, 9089.	3.8	0
3449	Using deep learning to assess the function of gastroesophageal flap valve according to the Hill classification system. Annals of Medicine, 2023, 55, .	3.8	0
3450	Multiple Attention Network for Facial Expression Recognition. Lecture Notes in Computer Science, 2024, , 141-152.	1.3	0

#	ARTICLE	IF	CITATIONS
3451	Hierarchical multimodal-fusion of physiological signals for emotion recognition with scenario adaption and contrastive alignment. Information Fusion, 2024, 103, 102129.	19.1	0
3452	MAGSleepNet: Adaptively multi-scale temporal focused sleep staging model for multi-age groups. Expert Systems With Applications, 2024, 240, 122549.	7.6	0
3453	FS-DCL: Distributed Collaborative Learning for Few-Shot Remote Sensing Image Classification. IEEE Geoscience and Remote Sensing Letters, 2024, 21, 1-5.	3.1	0
3454	Hierarchical attention network with progressive feature fusion for facial expression recognition. Neural Networks, 2024, 170, 337-348.	5.9	2
3455	Time-aware personalized graph convolutional network for multivariate time series forecasting. Expert Systems With Applications, 2024, 240, 122471.	7.6	0
3456	Attention-Based Image-to-Video Translation for Synthesizing Facial Expression Using GAN. Journal of Electrical and Computer Engineering, 2023, 2023, 1-13.	0.9	0
3457	A multi-layer feature fusion fault diagnosis method for train bearings under noise and variable load working conditions. Measurement Science and Technology, 2024, 35, 025121.	2.6	0
3458	Multi-level attention network: Mixed time-frequency channel attention and multi-scale self-attentive standard deviation pooling for speaker recognition. Engineering Applications of Artificial Intelligence, 2024, 128, 107439.	8.1	0
3459	Hybrid CNN and Transformer Network for Semantic Segmentation of UAV Remote Sensing Images. IEEE Journal on Miniaturization for Air and Space Systems, 2024, 5, 33-41.	2.7	0
3460	Adaptive deep learning network for image reconstruction of compressed sensing. Signal, Image and Video Processing, 2024, 18, 1463-1475.	2.7	0
3461	Intelligent Flame Detection of Heating Furnace Based on Improved YOLO v5*. , 2023, , .		0
3462	A method of concrete damage detection and localization based on weakly supervised learning. Computer-Aided Civil and Infrastructure Engineering, 0, , .	9.8	0
3463	A multi-scale residual encoding network for concrete crack segmentation. Journal of Intelligent and Fuzzy Systems, 2023, , 1-14.	1.4	0
3464	Decoding motor imagery based on dipole feature imaging and a hybrid CNN with embedded squeeze-and-excitation block. Biocybernetics and Biomedical Engineering, 2023, 43, 751-762.	5.9	0
3465	Dual-DIANet: A sharing-learnable multi-task network based on dense information aggregation. Neurocomputing, 2024, 569, 127035.	5.9	0
3466	Improved channel attention methods via hierarchical pooling and reducing information loss. Pattern Recognition, 2024, 148, 110148.	8.1	0
3467	Fault detection of high-voltage insulator thermal images based on YOLOv5. Journal of Physics: Conference Series, 2023, 2637, 012035.	0.4	0
3468	Building detection in aerial images using fusion of U-Net and ResNet architectures. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3469	A Novel Approach for Classification of Metals and Plastics under the methodology of Deep Learning using Convolutional Neural Networks. , 2023, , .		0
3470	CVANet: Cascaded visual attention network for single image super-resolution. Neural Networks, 2024, 170, 622-634.	5.9	11
3471	Remote sensing image super-resolution based on cross residual compensation mechanism and attention mechanism. Multimedia Tools and Applications, 0, , .	3.9	0
3472	Dynamic Convolutional Neural Network for Wireless Interference Identification. IEEE Communications Letters, 2023, , 1-1.	4.1	0
3473	Multiple-model-based Convolutional Neural Network for Machine Remaining Useful Life Prediction under Multiple Operation Modes. , 2023, , .		0
3474	Real-Time Three-Dimensional Force Measurements Using Vision-Based Flexible Force Sensor. IEEE Transactions on Instrumentation and Measurement, 2023, , 1-1.	4.7	0
3475	Infrared Object Tracking Algorithm with Temporal Features Fusion Siamese Network. IEEE Transactions on Instrumentation and Measurement, 2023, , 1-1.	4.7	0
3476	Multi-attention aggregation network for remote sensing scene classification. Journal of Applied Remote Sensing, 2023, 17, .	1.3	0
3477	ǻŸǻ°Žæ”1è¿YOLOxç1/2‘ç»œçš„é†ǻ±žé1/2¿è1/2@èj”éç1/4°é™.æfæµ«æ—1æ³. Laser and Optoelectronics Progress, 2023, 60, 0215005.		
3478	Feature channel interaction long-tailed image classification model based on dual attention. Signal, Image and Video Processing, 2024, 18, 1661-1670.	2.7	0
3479	A Pavement Cracks detection algorithm based on CCA-YOLOv5s. , 2023, , .		0
3480	A fast and lightweight detection model for wheat fusarium head blight spikes in natural environments. Computers and Electronics in Agriculture, 2024, 216, 108484.	7.7	0
3481	Better localized predictions with Out-of-Scope information and Explainable AI: One-Shot SAR backscatter nowcast framework with data from neighboring region. ISPRS Journal of Photogrammetry and Remote Sensing, 2024, 207, 92-103.	11.1	1
3482	An Improved Deep Convolutional LSTM for Human Activity Recognition Using Wearable Sensors. IEEE Sensors Journal, 2024, 24, 1717-1729.	4.7	0
3483	Image Super-Resolution Based on Gated Residual and Gated Convolution Networks. Neural Processing Letters, 2023, 55, 11807-11821.	3.2	0
3484	Improved YOLOv5-based UAV Target Detection under Complex Background. , 2022, , .		0
3485	Semantic Segmentation of Remote Sensing Images by Interactive Representation Refinement and Geometric Prior-Guided Inference. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-18.	6.3	0
3486	SCAF-DG: A Multi-site Medical Image Denoising With A Domain-Generalized Spatial-Channel Attention Fusion. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3487	Auxiliary Information Guided Self-attention for Image Quality Assessment. ACM Transactions on Multimedia Computing, Communications and Applications, 2024, 20, 1-23.	4.3	0
3488	Channel attention convolutional aggregation network based on video-level features for EEG emotion recognition. Cognitive Neurodynamics, 0, , .	4.0	1
3489	ShuffleSR: Image Deepfake Detection Using Shuffle Transformer. , 2023, , .		0
3490	An Image Captioning Model Based on SE-ResNest and EMSA. , 2023, , .		0
3492	An Improved Model Based on YOLO v5s for Intelligent Detection of Center Porosity in Round Bloom. ISIJ International, 2024, 64, 76-83.	1.4	0
3493	Accurate Robotic Grasp Detection with Angular Label Smoothing. Journal of Computer Science and Technology, 2023, 38, 1149-1161.	1.5	0
3494	Underwater Target Detection Based on Improved Yolov5. , 2023, , .		0
3495	Accurate Spectrum Sensing with Improved DeepLabV3+ for 5G-LTE Signals Identification. , 2023, , .		0
3496	SwinHCST: a deep learning network architecture for scene classification of remote sensing images based on improved CNN and Transformer. International Journal of Remote Sensing, 2023, 44, 7439-7463.	2.9	0
3497	Fault-attrib-attention: a method for fault identification based on seismic attributes attention. Neural Computing and Applications, 2024, 36, 3645-3661.	5.6	0
3498	BGSNet: A cascaded framework of boundary guided semantic for COVID-19 infection segmentation. Biomedical Signal Processing and Control, 2024, 90, 105824.	5.7	0
3499	Dark-SORT: Multi-person Tracking in Underground Coal Mines Using Adaptive Discrete Weighting. IEEE Access, 2023, , 1-1.	4.2	0
3500	A dynamic transfer network for cross-database atrial fibrillation detection. Biomedical Signal Processing and Control, 2024, 90, 105799.	5.7	0
3501	Attention guided multi-wavelet adversarial network for cross domain fault diagnosis. Knowledge-Based Systems, 2024, 284, 111285.	7.1	1
3502	Automatic filter pruning algorithm for image classification. Applied Intelligence, 0, , .	5.3	0
3503	RMAP-ResNet: Segmentation of brain tumor OCT images using residual multicore attention pooling networks for intelligent minimally invasive theranostics. Biomedical Signal Processing and Control, 2024, 90, 105805.	5.7	0
3504	Video anomaly detection method based on frame differential residual attention mechanism. , 2023, , .		0
3505	A Novel Efficient Dual-Gate Mixed Dilated Convolution Network for Multi-Scale Pedestrian Detection. Engineering, Technology & Applied Science Research, 2023, 13, 11973-11979.	1.9	1

#	ARTICLE	IF	CITATIONS
3506	Deep network with double reuses and convolutional shortcuts. IET Computer Vision, 0, , .	2.0	0
3507	Improved Retinex algorithm for low illumination image enhancement in the chemical plant area. Scientific Reports, 2023, 13, .	3.3	1
3508	Mining Whole-liver Information with Deep Learning for Preoperatively Predicting HCC Recurrence-free Survival <sup>*</sup> , 2023, , .		0
3509	SANet: A Self-Attention Network for Agricultural Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2023, , 1-1.	6.3	0
3510	Adaptive Guided Convolution Generated with Spatial Relationships for Point Clouds Analysis. IEEE Transactions on Geoscience and Remote Sensing, 2023, , 1-1.	6.3	0
3511	A bilateral feature fusion network for defect detection on mobile cameras. Journal of Intelligent and Fuzzy Systems, 2023, , 1-10.	1.4	0
3512	Unsupervised intrusion detection for rail transit based on anomaly segmentation. Signal, Image and Video Processing, 2024, 18, 1079-1087.	2.7	0
3513	Enhancing structural illumination microscopy with hybrid CNN-transformer and dynamic frequency loss. Optics and Lasers in Engineering, 2024, 173, 107913.	3.8	0
3514	FSNet: Frequency Domain Guided Superpixel Segmentation Network for Complex Scenes. , 2023, , .		0
3515	Multiple sequence alignment-based RNA language model and its application to structural inference. Nucleic Acids Research, 2024, 52, e3-e3.	14.5	2
3516	DCA-DAFFNet: An End-to-End Network With Deformable Fusion Attention and Deep Adaptive Feature Fusion for Laryngeal Tumor Grading From Histopathology Images. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-15.	4.7	1
3517	Multi-Part Token Transformer with Dual Contrastive Learning for Fine-grained Image Classification. , 2023, , .		0
3518	Electricity theft recognition and time period detection considering based on multi-task learning. International Journal of Electrical Power and Energy Systems, 2024, 155, 109570.	5.5	0
3519	DANet: Multi-scale UAV Target Detection with Dynamic Feature Perception and Scale-aware Knowledge Distillation. , 2023, , .		0
3520	Real Time Detection Algorithm for Escape Ladders based on YOLOv5s. , 2023, 5, 128-131.		0
3521	A Slim Convolutional Neural Network for Low-cost Masked Facial Expression Classifier. , 2023, , .		0
3522	Automatic stent struts detection in optical coherence tomography based on a multiple attention convolutional model. Physics in Medicine and Biology, 2024, 69, 015008.	3.0	0
3523	Fault diagnosis method of rolling bearing based on SE-DRN. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3524	Crack Detection of Solar Cell Based on Ultraviolet Fluorescence. , 2023, , .		0
3525	The Accelerated Inference of a Novel Optimized YOLOv5-LITE on Low-Power Devices for Railway Track Damage Detection. IEEE Access, 2023, 11, 134846-134865.	4.2	0
3526	<scp>Fault</scp> Diagnosis of Shipboard <scp>Mediumâ€Voltage</scp> Alternating Current Power System with Fault Recording <scp>Dataâ€Driven SEâ€ResNet18</scp>â€1 Model. IEJ Transactions on Electrical and Electronic Engineering, 2024, 19, 403-413.	1.4	0
3527	Sketch2Wireframe: an automatic framework for transforming hand-drawn sketches to digital wireframes in UI design. Visual Computer, 0, , .	3.5	0
3528	Spatialâ€Spectral Attention Pyramid Network for Hyperspectral Stripe Restoration. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-17.	6.3	0
3529	Multiscale Feature Reconstruction and Interclass Attention Weighting for Land Cover Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 1921-1937.	4.9	1
3530	Point2Point: A Framework for Efficient Deep Learning on Hilbert Sorted Point Clouds with Applications in Spatio-Temporal Occupancy Prediction. , 2023, , .		0
3531	An efficient diagnostic strategy for intermittent faults in electronic circuit systems by enhancing and locating local features of faults. Measurement Science and Technology, 2024, 35, 036107.	2.6	5
3532	Evaluation of Flavor Type of Tobacco Blending Module: A Prediction Model Based on Near-Infrared Spectrum. Discrete Dynamics in Nature and Society, 2023, 2023, 1-16.	0.9	0
3533	Geographical traceability of soybean: An electronic nose coupled with an effective deep learning method. Food Chemistry, 2024, 440, 138207.	8.2	1
3534	Parallel Compared-and-Stacked Pyramid Transformer Network for Unsupervised Hyperspectral Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-14.	6.3	0
3535	Spatiotemporal feature enhancement network for action recognition. Multimedia Tools and Applications, 0, , .	3.9	0
3536	A PCB Defect Detection Algorithm Based on Improved Yolov7-tiny. , 2023, , .		0
3537	Combining Satellite Imagery and a Deep Learning Algorithm to Retrieve the Water Levels of Small Reservoirs. Remote Sensing, 2023, 15, 5740.	4.0	0
3538	Automated Bone Age Assessment Using Deep Learning withâ€Attention Module. Lecture Notes in Networks and Systems, 2023, , 217-226.	0.7	0
3539	Detection of cracks in aircraft structures using digital image processing technology. Journal of Physics: Conference Series, 2023, 2665, 012023.	0.4	0
3540	PEN-DS: progressive enhancement network based on detail supplementation for low-light image enhancement. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	0
3541	Privacy-Preserving Federated Class-Incremental Learning. , 2023, , 1-1.		0

#	ARTICLE	IF	CITATIONS
3542	EC-RFERNet: an edge computing-oriented real-time facial expression recognition network. Signal, Image and Video Processing, 2024, 18, 2019-2035.	2.7	0
3543	2.5D Lightweight Network Integrating Multi-scale Semantic Features for Liver Tumor Segmentation. Lecture Notes in Electrical Engineering, 2023, , 155-167.	0.4	0
3544	USE-Net: SE-Block Enhanced U-Net Architecture for Robust Speaker Identification. , 2023, , .		0
3545	A Dual Relation Extractor for Object Detection. , 2023, , .		0
3546	Adaptive Hybrid Vision Transformer for Small Datasets. , 2023, , .		0
3547	LocoMixer: A Local Context MLP-Like Architecture For Image Classification. , 2023, , .		0
3548	Segmentation and tracking of vegetable plants by exploiting vegetable shape feature for precision spray of agricultural robots. Journal of Field Robotics, 2024, 41, 570-586.	6.0	0
3549	Continuous non-invasive arterial blood pressure monitoring with photoplethysmography via SE-MSResUNet network. Biomedical Signal Processing and Control, 2024, 90, 105862.	5.7	0
3550	Parallel Interactive Attention Network for Short-Term Originâ€”Destination Prediction in Urban Rail Transit. Applied Sciences (Switzerland), 2024, 14, 100.	2.5	0
3551	An improved YOLOv7 network using RGB-D multi-modal feature fusion for tea shoots detection. Computers and Electronics in Agriculture, 2024, 216, 108541.	7.7	1
3552	Few-Shot Transmission Line Foreign Object Detection Based on Transfer Learning. , 2023, , .		0
3553	Automatic flaw detection of carbon fiber prepreg using a CFP-SSD model during preparation. Measurement Science and Technology, 0, , .	2.6	0
3554	FAM-Former: Global Transformer and Feature Aggregation Module for Knee MRI Age Estimation. IEEE Transactions on Instrumentation and Measurement, 2023, , 1-1.	4.7	0
3555	ThoraX-PriorNet: A Novel Attention-Based Architecture Using Anatomical Prior Probability Maps for Thoracic Disease Classification. IEEE Access, 2023, , 1-1.	4.2	0
3556	A Real-Time Defect Detection Strategy for Additive Manufacturing Processes Based on Deep Learning and Machine Vision Technologies. Micromachines, 2024, 15, 28.	2.9	1
3557	Chest X-Ray Feature Pyramid Sum Model with Diseased Area Data Augmentation Method. , 2023, , .		0
3558	Cross Attention Multi Scale CNN-Transformer Hybrid Encoder Is General Medical Image Learner. Lecture Notes in Computer Science, 2024, , 85-97.	1.3	0
3559	Spatio-Temporal Analysis of Patient-Derived Organoid Videos Using Deep Learning for the Prediction of Drug Efficacy. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3560	Small CNN for Plant Disease Classification Using Quantization-Aware Training: A Case Study on MobileNetV3. , 2023, , .		0
3561	A Lightweight Detection Method for Blueberry Fruit Maturity Based on an Improved YOLOv5 Algorithm. Agriculture (Switzerland), 2024, 14, 36.	3.1	0
3562	Fixed pattern noise removal for solar images using a Self-Supervised Destriping Network. , 2023, , .		0
3563	Early Detection of Ripeness for the Picking of Xanthoceras Sorbifolium Using Feature Excitation-Based Broad Learning System. IEEE Access, 2023, , 1-1.	4.2	0
3564	Detection of Floating Objects on Water Surface Using YOLOv5s in an Edge Computing Environment. Water (Switzerland), 2024, 16, 86.	2.7	0
3565	A Sequential End-to-End Neonatal Sleep Staging Model with Squeeze and Excitation Blocks and Sequential Multi-Scale Convolution Neural Networks. International Journal of Neural Systems, 2024, 34, .	5.2	0
3566	An Approach to Data Modeling via Temporal and Spatial Alignment. Processes, 2024, 12, 62.	2.8	0
3567	Grape cluster detection based on spatial-to-depth convolution and attention mechanism. Systems Science and Control Engineering, 2024, 12, .	3.1	0
3568	LeViT-UNet: Make Faster Encoders withÂTransformer forÂMedical Image Segmentation. Lecture Notes in Computer Science, 2024, , 42-53.	1.3	12
3570	Deep learning-based classification of mature and immature lavender plants using UAV orthophotos and a hybrid CNN approach. Earth Science Informatics, 2024, 17, 1713-1727.	3.2	0
3571	AIR-CNN: A Lightweight Automatic Image Rectification CNN Used for Barrel Distortion. Measurement Science and Technology, 0, , .	2.6	0
3573	Multi-kernel driven 3D convolutional neuralnetwork for automated detection of lung nodulesin chest CT scans. Biomedical Optics Express, 0, , .	2.9	0
3574	ResfEANet: ResNet-fused External Attention Network for Tuberculosis Diagnosis using Chest X-ray Images. Computer Methods and Programs in Biomedicine Update, 2024, 5, 100133.	3.7	2
3575	MA-Net: Multi-Attention Network for Skeleton-Based Action Recognition. , 2023, , .		0
3576	CT-Based Super-Resolution Deep Learning Models with Attention Mechanisms for Predicting Spread Through Air Spaces of Solid or Part-Solid Lung Adenocarcinoma. Academic Radiology, 2024, , .	2.5	0
3577	CQTXNet: A Modified Xception Network with Attention Modules for Cover Song Identification. IEICE Transactions on Information and Systems, 2024, E107.D, 49-52.	0.7	0
3578	Research on Retinal Vessel Segmentation Algorithm Based on a Modified U-Shaped Network. Applied Sciences (Switzerland), 2024, 14, 465.	2.5	0
3579	A novel dilated contextual attention module for breast cancer mitosis cell detection. Frontiers in Physiology, 0, 15, .	2.8	0

#	ARTICLE	IF	CITATIONS
3580	Synthetic Document Images with Diverse Shadows for Deep Shadow Removal Networks. Sensors, 2024, 24, 654.	3.8	0
3581	Wind turbines fault diagnosis method under variable working conditions based on AMVMD and deep discrimination transfer learning network. Measurement Science and Technology, 2024, 35, 046120.	2.6	1
3582	A dual of real image noise-related blind denoising technique. , 2023, 28, 2026-2036.		0
3583	LPT-QPN: A Lightweight Physics-Informed Transformer for Quantitative Precipitation Nowcasting. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-19.	6.3	1
3584	Improved YOLOv5s-Based Traffic Signal Detection Algorithm. Modeling and Simulation, 2023, 12, 5860-5874.	0.1	0
3585	Vision transformers: The next frontier for deep learning-based ophthalmic image analysis. Saudi Journal of Ophthalmology, 2023, 37, 173.	0.3	0
3586	Maize Leaf Compound Disease Recognition Based on Attention Mechanism. Agriculture (Switzerland), 2024, 14, 74.	3.1	0
3587	SA-MVSNet: Self-attention-based multi-view stereo network for 3D reconstruction of images with weak texture. Engineering Applications of Artificial Intelligence, 2024, 131, 107800.	8.1	0
3588	The Fault Detection Method of the Seismic Image Based on Semantic Segmentation. Smart Innovation, Systems and Technologies, 2024, , 117-127.	0.6	0
3589	Lightweight neural network for Alzheimer's disease classification using multi-slice sMRI. Magnetic Resonance Imaging, 2024, 107, 164-170.	1.8	0
3590	A Glacial Lake Mapping Framework in High Mountain Areas: A Case Study of the Southeastern Tibetan Plateau. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-12.	6.3	0
3591	A Semantic Segmentation Method Based on AS-Unet++ for Power Remote Sensing of Images. Sensors, 2024, 24, 269.	3.8	0
3592	Data-driven coordinated attention deep learning for high-fidelity brain imaging denoising and inpainting. Journal of Biophotonics, 2024, 17, .	2.3	0
3593	Parallel Attention Mechanism Based Multi-feature Fusion for Underwater Object Tracking. Communications in Computer and Information Science, 2024, , 330-341.	0.5	0
3594	Research on Lightweight Road Semantic Segmentation Algorithm Based on DeepLabv3+. Communications in Computer and Information Science, 2024, , 492-500.	0.5	0
3595	Lightweight Detection Methods for Insulator Self-Explosion Defects. Sensors, 2024, 24, 290.	3.8	0
3596	A self-developed electronic nose system combines data enhancement and multi-branch kernels channel attention to identify the gas information of industrial polypropylene. Sensors and Actuators A: Physical, 2024, 366, 115005.	4.1	0
3597	Transforming Agriculture with AI: Automated Crop Insect Identification Using InceptionV3 Transfer Learning. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3598	Multi scale-aware attention for pyramid convolution network on finger vein recognition. Scientific Reports, 2024, 14, .	3.3	0
3599	Deep learning-based spectral reconstruction in camouflaged target detection. International Journal of Applied Earth Observation and Geoinformation, 2024, 126, 103645.	1.9	0
3600	A heterogeneous attention fusion mechanism for the cross-environment scene classification of the home service robot. Robotics and Autonomous Systems, 2024, 173, 104619.	5.1	0
3601	D2polyp-Net: A cross-modal space-guided network for real-time colorectal polyp detection and diagnosis. Biomedical Signal Processing and Control, 2024, 91, 105934.	5.7	0
3602	An ensemble-acute lymphoblastic leukemia model for acute lymphoblastic leukemia image classification. Mathematical Biosciences and Engineering, 2024, 21, 1959-1978.	1.9	0
3603	FD-Net: Feature Distillation Network for Oral Squamous Cell Carcinoma Lymph Node Segmentation in Hyperspectral Imagery. IEEE Journal of Biomedical and Health Informatics, 2024, 28, 1552-1563.	6.3	0
3604	Polyphonic sound event localization and detection based on Multiple Attention Fusion ResNet. Mathematical Biosciences and Engineering, 2024, 21, 2004-2023.	1.9	0
3605	FET-FCVC: Feature-enhanced transformer for fine-grained visual classification. Pattern Recognition, 2024, 149, 110265.	8.1	0
3606	FastGNet: an efficient 6-DOF grasp detection method with multi-attention mechanisms and point transformer network. Measurement Science and Technology, 2024, 35, 045020.	2.6	0
3607	FDAN: Fuzzy deep attention networks for driver behavior recognition. Journal of Systems Architecture, 2024, 147, 103063.	4.3	0
3608	A Restoration Scheme for Spatial and Spectral Resolution of the Panchromatic Image Using the Convolutional Neural Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 3379-3393.	4.9	0
3610	Lightweight underwater object detection based on image enhancement and multi-attention. Multimedia Tools and Applications, 0, , .	3.9	0
3611	Electromyographic hand gesture recognition using convolutional neural network with multi-attention. Biomedical Signal Processing and Control, 2024, 91, 105935.	5.7	0
3613	Research on Bubble Detection Based on Improved YOLOv8n. IEEE Access, 2024, 12, 9659-9668.	4.2	0
3614	MAGPNet: ȁŸ°ă°ŽăăŸŸæ³°æ,,ăŠ°ă¼•ă¼4čš,,č°čă-ă¼4±ă°č>®æ†æŁæµ«č½2‘č»œ. Journal of Shanghai Jiaotong University (Science), 0, , .		
3615	Heart failure classification using deep learning to extract spatiotemporal features from ECG. BMC Medical Informatics and Decision Making, 2024, 24, .	3.0	0
3616	An Improved Vulnerable Pedestrian Detection Algorithm Based on YOLOv7. , 2023, , .		0
3617	Tiny Defect-Oriented Single-View CT Reconstruction Based on a Hybrid Framework. IEEE Transactions on Instrumentation and Measurement, 2024, 73, 1-14.	4.7	0

#	ARTICLE	IF	CITATIONS
3618	RLIPv2: Fast Scaling of Relational Language-Image Pre-training. , 2023, , .		0
3619	lIEU: Rethinking Neural Feature Activation from Decision-Making. , 2023, , .		0
3620	Integrated block-wise neural network with auto-learning search framework for finger gesture recognition using sEMG signals. Artificial Intelligence in Medicine, 2024, 149, 102777.	6.5	0
3621	Stereo attention-based all-in-one super-resolution for robot-assisted minimally invasive surgery. Journal of Robotic Surgery, 2024, 18, .	1.8	0
3622	Retinal Fundus Diseases Detection and Identification Using CNN. , 2023, , .		0
3623	MBC-UBEM-IDS: A Two-Step Intrusion Detection System for Imbalanced Network Traffic. , 2023, , .		0
3624	Domain Contrastive Learning for Multi-Site Alzheimer's Disease Classification. , 2023, , .		0
3625	Interpretable Diagnosis of Face Acne via Complementation Learning of Evidence Localization and Severity Level Grading. , 2023, , .		0
3626	High-accuracy 3D segmentation of wet age-related macular degeneration via multi-scale and cross-channel feature extraction and channel attention. Biomedical Optics Express, 2024, 15, 1115.	2.9	0
3627	FASNet: Fusion Attention Siamese Network For Change Detection of Remote Sensing Images. , 2023, , .		0
3628	FF-MSPAM: A Multi-scale Parallel Attention Mechanism based Feature Fusion Model for Diagnosis of Parkinsonâ€™s Disease. , 2023, , .		0
3629	Image enhancement with intensity transformation on embedding space. CAAI Transactions on Intelligence Technology, 2024, 9, 101-115.	8.1	0
3630	Small-modulus worms surface defect detection method based on YOLOv7. Measurement Science and Technology, 2024, 35, 055005.	2.6	0
3631	Image Denoising with CNN-Based Attention. , 2023, , .		1
3632	Highâ€precision Drosophila heart segmentation and dynamic cardiac parameter measurement for <sc>optogeneticsâ€OCT</sc>-based cardiac function research. Journal of Biophotonics, 2024, 17, .	2.3	0
3633	Deep learning methods for concrete structure damage inspection. , 2024, , 51-75.		0
3634	Image segmentation using improved U-Net model and convolutional block attention module based on cardiac magnetic resonance imaging. Journal of Radiation Research and Applied Sciences, 2024, 17, 100816.	1.2	0
3635	Anomaly detection for synthetic diamond grain using monocular depth estimation. Computers and Industrial Engineering, 2024, 188, 109904.	6.3	0

#	ARTICLE	IF	CITATIONS
3636	DEA-Net: Single Image Dehazing Based on Detail-Enhanced Convolution and Content-Guided Attention. IEEE Transactions on Image Processing, 2024, 33, 1002-1015.	9.8	0
3637	A3R-Net: adaptive attention aggregation residual network for sparse DOA estimation. Signal, Image and Video Processing, 2024, 18, 2939-2949.	2.7	0
3638	Improved Object Detection in Forward-Looking Sonar Images with Attention-YOLOv8 and Denoising Algorithms. , 2023, , .		0
3639	Automatic Outer Contour Detection and Quantification of Vehicles Using Monocular Vision. Structural Control and Health Monitoring, 2024, 2024, 1-23.	4.0	0
3640	Exploring the Value of MRI Measurement of Hippocampal Volume for Predicting the Occurrence and Progression of Alzheimer's Disease Based on Artificial Intelligence Deep Learning Technology and Evidence-Based Medicine Meta-Analysis. Journal of Alzheimer's Disease, 2024, 97, 1275-1288.	2.6	0
3641	Porous carbon film/WO3-x nanosheets based SERS substrate combined with deep learning technique for molecule detection. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2024, 310, 123962.	3.9	0
3642	Subdomain adaptation joint attention network enabled two-stage strategy towards few-shot fault diagnosis of LRE turbopump. Advanced Engineering Informatics, 2024, 60, 102366.	8.0	0
3643	System for analyzing data from camera traps based on a two-stage neural network approach for operational remote monitoring. ITM Web of Conferences, 2024, 59, 03002.	0.5	0
3644	A generalizable deep voxel-guided morphometry algorithm for the detection of subtle lesion dynamics in multiple sclerosis. Frontiers in Neuroscience, 0, 18, .	2.8	0
3645	Representative Feature Learning and Task Decoupling for Few-Shot Object Detection. , 2023, , .		0
3646	SVSDet: A Fine-Grained Recognition Method for Ship Target Using Satellite Video. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 4726-4742.	4.9	0
3647	Polyanenet++: enhancing the polynomial regression lane detection based on spatio-temporal fusion. Signal, Image and Video Processing, 2024, 18, 3021-3030.	2.7	0
3648	Old Landslide Detection Using Optical Remote Sensing Images Based on Improved YOLOv8. Applied Sciences (Switzerland), 2024, 14, 1100.	2.5	0
3649	Vision Fourier transformer empowered multi-modal imaging system for ethane leakage detection. Information Fusion, 2024, 106, 102266.	19.1	0
3650	CACRN-Net: A 3D log Mel spectrogram based channel attention convolutional recurrent neural network for few-shot speaker identification. Computers and Electrical Engineering, 2024, 115, 109100.	4.8	0
3651	TPA: Two-stage progressive attention segmentation framework for hepatocellular carcinoma on multi-modality MRI. Medical Physics, 0, , .	3.0	0
3652	A hyperspectral deep learning attention model for predicting lettuce chlorophyll content. Plant Methods, 2024, 20, .	4.3	0
3653	An Anomaly Detection and Localization Method Based on Feature Fusion and Attention. Lecture Notes in Computer Science, 2024, , 219-228.	1.3	0

#	ARTICLE	IF	CITATIONS
3654	A comprehensive exploration of deep learning approaches for pulmonary nodule classification and segmentation in chest CT images. Neural Computing and Applications, 2024, 36, 7245-7264.	5.6	0
3655	Mutual encoder-decoder with bi-gated convolution for image inpainting. Journal of Electronic Imaging, 2024, 33, .	0.9	0
3656	GHAFFNet: Global-context hierarchical attention fusion method for traffic object detection. Multimedia Tools and Applications, 0, , .	3.9	0
3657	Boundary attention with multi-task consistency constraints for semi-supervised 2D echocardiography segmentation. Computers in Biology and Medicine, 2024, 171, 108100.	7.0	0
3658	Multi-focus image fusion via interactive transformer and asymmetric soft sharing. Engineering Applications of Artificial Intelligence, 2024, 133, 107967.	8.1	0
3659	DISCOVER: 2-D multiview summarization of Optical Coherence Tomography Angiography for automatic diabetic retinopathy diagnosis. Artificial Intelligence in Medicine, 2024, 149, 102803.	6.5	0
3660	IPMCNet: A Lightweight Algorithm for Invasive Plant Multiclassification. Agronomy, 2024, 14, 333.	3.0	0
3661	USCT: Uncertainty-regularized symmetric consistency learning for semi-supervised teeth segmentation in CBCT. Biomedical Signal Processing and Control, 2024, 91, 106032.	5.7	0
3662	YOLO-Fall: A Novel Convolutional Neural Network Model for Fall Detection in Open Spaces. IEEE Access, 2024, 12, 26137-26149.	4.2	0
3663	State evaluation network for UHVDC converter. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2024, 47, 243-252.	1.1	0
3664	Brain-driven facial image reconstruction via StyleGAN inversion with improved identity consistency. Pattern Recognition, 2024, 150, 110331.	8.1	0
3665	Transformer dense center network for liver tumor detection. Biomedical Signal Processing and Control, 2024, 91, 106066.	5.7	0
3666	GPONet: A two-stream gated progressive optimization network for salient object detection. Pattern Recognition, 2024, 150, 110330.	8.1	0
3667	Recognizing the mapping relationship between wind power output and meteorological information at a province level by coupling GIS and CNN technologies. Applied Energy, 2024, 360, 122791.	10.1	0
3668	MPFC-Net: A multi-perspective feature compensation network for medical image segmentation. Expert Systems With Applications, 2024, 248, 123430.	7.6	0
3669	Lightweight network for insulator fault detection based on improved YOLOv5. Connection Science, 2024, 36, .	3.0	0
3670	StairNetV3: depth-aware stair modeling using deep learning. Visual Computer, 0, , .	3.5	0
3671	Railway Switch Machine Fault Diagnosis Considering Sensor Abnormality Scenarios. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
3672	MSFA-YOLO: A Multi-Scale SAR Ship Detection Algorithm Based on Fused Attention. IEEE Access, 2024, 12, 24554-24568.	4.2	0
3673	A Novel Attention Residual Network Expression Recognition Method. IEEE Access, 2024, 12, 24609-24620.	4.2	0
3674	Underground Defects Detection Based on GPR by Fusing Simple Linear Iterative Clustering Phash (SLIC-Phash) and Convolutional Block Attention Module (CBAM)-YOLOv8. IEEE Access, 2024, 12, 25888-25905.	4.2	0
3675	Lightweight high-precision SAR ship detection method based on YOLOv7-LDS. PLoS ONE, 2024, 19, e0296992.	2.5	0
3676	Defense against adversarial attacks based on color space transformation. Neural Networks, 2024, 173, 106176.	5.9	0
3677	Automated Neurological Brain Disease Detection in Magnetic Resonance Imaging Using Deep Learning Approaches. Advances in Medical Diagnosis, Treatment, and Care, 2024, , 150-178.	0.1	0
3678	A novel model for fall detection and action recognition combined lightweight 3D-CNN and convolutional LSTM networks. Pattern Analysis and Applications, 2024, 27, .	4.6	0
3679	Learning dual attention enhancement feature for visibleâ€“infrared person re-identification. Journal of Visual Communication and Image Representation, 2024, 99, 104076.	2.8	0
3680	A Motion-Aware DNN Model with Edge Focus Loss and Quality Control for Short-Axis Left Ventricle Segmentation of Cine MR Sequences. , 0, , .		0
3681	A deep multi-scale neural networks for crime hotspot mapping prediction. Computers, Environment and Urban Systems, 2024, 109, 102089.	7.1	0
3682	A comprehensive review of deep learning-based variant calling methods. Briefings in Functional Genomics, 0, , .	2.7	0
3683	An atrial fibrillation classification method based on an outlier data filtering strategy and modified residual block of the feature pyramid network. Biomedical Signal Processing and Control, 2024, 92, 106107.	5.7	0
3684	Semantic and Geometric-Aware Day-to-Night Image Translation Network. Sensors, 2024, 24, 1339.	3.8	0
3685	A generative adaptive convolutional neural network with attention mechanism for driver fatigue detection with class-imbalanced and insufficient data. Behavioural Brain Research, 2024, 464, 114898.	2.2	0
3686	Multi-Object Trajectory Prediction Based on Lane Information and Generative Adversarial Network. Sensors, 2024, 24, 1280.	3.8	0
3687	Cross-Modal Oriented Object Detection of UAV Aerial Images Based on Image Feature. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-21.	6.3	0
3688	UViT: Efficient and lightweight U-shaped hybrid vision transformer for human pose estimation. Journal of Intelligent and Fuzzy Systems, 2024, 46, 8345-8359.	1.4	0
3689	LAYN: Lightweight Multi-Scale Attention YOLOv8 Network for Small Object Detection. IEEE Access, 2024, 12, 29294-29307.	4.2	0

#	ARTICLE	IF	CITATIONS
3690	Tâ€skeleton: Accurate scene text detection via instanceâ€ware skeleton embedding. IET Image Processing, 2024, 18, 1491-1503.	2.5	0
3691	Deep Learning in Virtual Try-On: A Comprehensive Survey. IEEE Access, 2024, 12, 29475-29502.	4.2	0
3692	A deep learning model enabled multi-event recognition for distributed optical fiber sensing. Science China Information Sciences, 2024, 67, .	4.3	0
3693	A triple interference removal network based on temporal and spatial attention interaction for forest smoke recognition in videos. Computers and Electronics in Agriculture, 2024, 218, 108756.	7.7	0
3694	S3AR U-Net: A separable squeezed similarity attention-gated residual U-Net for glottis segmentation. Biomedical Signal Processing and Control, 2024, 92, 106047.	5.7	0
3695	Using Machine Learning and Finite Element Analysis to Extract Traction-Separation Relations at Bonding Wire Interfaces of Insulated Gate Bipolar Transistor Modules. Materials, 2024, 17, 1002.	2.9	0
3696	Maize seed fraud detection based on hyperspectral imaging and one-class learning. Engineering Applications of Artificial Intelligence, 2024, 133, 108130.	8.1	0
3697	Efficient Image Feature Extraction through Simultaneous Training of Nested U-Nets. , 2023, , .		0
3698	Enhanced Lightweight Hazardous Waste Detection Algorithm of YOLOv5s. , 2023, , .		0
3699	Strawberry Maturity Recognition Based on Improved YOLOv5. Agronomy, 2024, 14, 460.	3.0	0
3700	Rolling mill fault diagnosis under limited datasets. Knowledge-Based Systems, 2024, 291, 111579.	7.1	0
3701	AREF-Net: Bridging Residual, Efficient, and Attention-Based Architectures for Image Classification. , 2023, , .		0
3702	Automatic detection method for tobacco beetles combining multi-scale global residual feature pyramid network and dual-path deformable attention. Scientific Reports, 2024, 14, .	3.3	0
3703	A Multi-Stage Feature Aggregation and Structure Awareness Network for Concrete Bridge Crack Detection. Sensors, 2024, 24, 1542.	3.8	0
3704	Research on damage identification of large-span spatial structures based on deep learning. Journal of Civil Structural Health Monitoring, 0, , .	3.9	0
3705	Multiscale Kernal Based Convolutional Neural Networks for Gear Fault Diagnosis Under Variable Operation Conditions. , 2023, , .		0
3706	Surface Defect Detection Method of Strip Steel Based on Improved YOLOv5. Lecture Notes in Electrical Engineering, 2024, , 265-275.	0.4	0
3707	TIMâ€Net: A multiâ€label classification network for TCM tongue images fusing globalâ€local features. IET Image Processing, 0, , .	2.5	0

#	ARTICLE	IF	CITATIONS
3708	Automatic bright-field smear microscopy for diagnosis of pulmonary tuberculosis. Computers in Biology and Medicine, 2024, 172, 108167.	7.0	0
3709	Deep-time temperature field simulation of hot dry rock: A deep learning method in both time and space dimensions. Geothermics, 2024, 119, 102978.	3.4	0
3710	Research on the Recognition Method of Dial Scales for Arrestor Pointer Instruments Based on Deep Learning. Applied Sciences (Switzerland), 2024, 14, 2049.	2.5	0
3711	âŸ•äºŒŽšæ³”æ„„âŠ•â•ŸçŸŽç»ç½‘ç»œçš„ä¹³è...ºç™Œç»„ç»†âŒ•â•¼âŒ•ëŠœ—: Journal of Shanghai Jiaotong University(Science)00, , .	0.0	0
3712	Pas: a scale-invariant approach to maritime search and rescue object detection using preprocessing and attention scaling. Intelligent Service Robotics, 0, , .	2.6	0
3713	DAFNet: A dual attention-guided fuzzy network for cardiac MRI segmentation. AIMS Mathematics, 2024, 9, 8814-8833.	1.6	0
3714	Application Research on Defect Classification of Oil and Gas Pipelines Based on Keras Framework. Software Engineering and Applications, 2024, 13, 73-81.	0.1	0
3715	Optimizing vision transformers for CPU platforms via human-machine collaborative design. Knowledge-Based Systems, 2024, 291, 111611.	7.1	0
3716	ResQu-Net: Effective prostateâ€™s peripheral zone segmentation leveraging the representational power of attention-based mechanisms. Biomedical Signal Processing and Control, 2024, 93, 106187.	5.7	0
3717	Crack segmentation on steel structures using boundary guidance model. Automation in Construction, 2024, 162, 105354.	9.8	0
3718	FEASE: Feature Selection and Enhancement Networks for Action Recognition. Neural Processing Letters, 2024, 56, .	3.2	0
3719	Reviewing 3D convolutional neural network approaches for medical image segmentation. Heliyon, 2024, 10, e27398.	3.2	0
3720	Improved Adversarial Transfer Network for Bearing Fault Diagnosis under Variable Working Conditions. Applied Sciences (Switzerland), 2024, 14, 2253.	2.5	0
3721	Optimization of YOLOv7 Based on PConv, SE Attention and Wise-IoU. International Journal of Computational Intelligence and Applications, 2024, 23, .	0.8	0
3722	Good Teacher Makes Good Student: A Discriminative-Aware Knowledge Preservation Approach for Zero-Shot Sketch-Based Image Retrieval. Journal of Advances in Information Technology, 2024, 15, 364-371.	2.9	0
3723	An improved personal protective equipment detection method based on YOLOv4. Multimedia Tools and Applications, 0, , .	3.9	0
3724	FabricGAN: an enhanced generative adversarial network for data augmentation and improved fabric defect detection. Textile Research Journal, 0, , .	2.2	0
3725	Driver intention prediction based on multi-dimensional cross-modality information interaction. Multimedia Systems, 2024, 30, .	4.7	0

#	ARTICLE	IF	CITATIONS
3726	Neuron image segmentation based on convolution and BN fusion and multi-input feature fusion. Journal of Intelligent and Fuzzy Systems, 2024, 46, 11139-11151.	1.4	0
3727	Feature disparity learning for weakly supervised object localization. Image and Vision Computing, 2024, 145, 104986.	4.5	0
3728	Robust change detection for remote sensing images based on temporospatial interactive attention module. International Journal of Applied Earth Observation and Geoinformation, 2024, 128, 103767.	1.9	0
3729	Neural architecture search via progressive partial connection with attention mechanism. Scientific Reports, 2024, 14, .	3.3	0
3730	Domain generalization across tumor types, laboratories, and species â€” Insights from the 2022 edition of the Mitosis Domain Generalization Challenge. Medical Image Analysis, 2024, 94, 103155.	11.6	0
3731	Diabetic foot ulcers segmentation challenge report: Benchmark and analysis. Medical Image Analysis, 2024, 94, 103153.	11.6	0
3732	OENet: An overexposure correction network fused with residual block and transformer. Expert Systems With Applications, 2024, 250, 123709.	7.6	0
3734	New approach of milling state recognition based on attention mechanism weighted fusion K-nearest neighbor under framework of chaotic attractor using accelerated life signal. JVC/Journal of Vibration and Control, 0, , .	2.6	0
3735	éÇâÇ—...Ç†â>¾âfâ^†â%²Çš,,è¾¹Ç¼~æ,,ŸÇŸÇ¼½²Ç»œ. Guangzi Xuebao/Acta Photonica Sinica, 2024, 53, 0111003o.3		0
3736	Vehicle Target Recognition in SAR Images with Complex Scenes Based on Mixed Attention Mechanism. Information (Switzerland), 2024, 15, 159.	2.9	0
3737	RGB road scene material segmentation. Image and Vision Computing, 2024, 145, 104970.	4.5	0
3738	Automatic diagnosis of depression based on attention mechanism and feature pyramid model. PLoS ONE, 2024, 19, e0295051.	2.5	0
3739	A robust one-stage detector for SAR ship detection with sequential three-way decisions and multi-granularity. Information Sciences, 2024, 667, 120436.	6.9	0
3740	Spectral normalization and dual contrastive regularization for image-to-image translation. Visual Computer, 0, , .	3.5	0
3741	A collaborative filtering method by fusion of facial information features. Journal of Intelligent and Fuzzy Systems, 2024, , 1-20.	1.4	0
3742	Mandarin orange (Citrus reticulata Blanco cv. Batu 55) ripeness parameters prediction using combined reflectance-fluorescence images and deep convolutional neural network (DCNN) regression model. Scientia Horticulturae, 2024, 331, 113089.	3.6	0
3743	SERT-StructNet: Protein secondary structure prediction method based on multi-factor hybrid deep model. Computational and Structural Biotechnology Journal, 2024, 23, 1364-1375.	4.1	0
3744	Adaptive habitat biogeography-based optimizer for optimizing deep CNN hyperparameters in image classification. Heliyon, 2024, 10, e28147.	3.2	0

#	ARTICLE	IF	CITATIONS
3745	Few Shot Specific Emitter Identification Based on Triplet Loss. Lecture Notes in Electrical Engineering, 2024, , 313-321.	0.4	0
3746	FMA-Net: Fusion of Multi-Scale Attention for Grading Cervical Precancerous Lesions. Mathematics, 2024, 12, 958.	2.2	0
3747	SeFilter-DIA: Squeeze-and-Excitation Network for Filtering High-Confidence Peptides of Data-Independent Acquisition Proteomics. Interdisciplinary Sciences, Computational Life Sciences, 0, , .	3.6	0
3748	MSAMS-Net: accurate lung lesion segmentation from COVID-19 CT images. Multimedia Tools and Applications, 0, , .	3.9	0
3749	Decoding human taste perception by reconstructing and mining temporal-spatial features of taste-related EEGs. Applied Intelligence, 2024, 54, 3902-3917.	5.3	0
3750	Deep Learning Approaches for Sunflower Disease Classification: A Study of Convolutional Neural Networks with Squeeze and Excitation Attention Blocks. Bitlis Eren Ąniversitesi Fen Bilimleri Dergisi, 2024, 13, 247-258.	0.5	0
3751	Detecting Wear and Tear in Pedestrian Crossings Using Computer Vision Techniques: Approaches, Challenges, and Opportunities. Information (Switzerland), 2024, 15, 169.	2.9	0