Road Extraction by Deep Residual U-Net

Citation Report

#	ARTICLE	IF	CITATIONS
1	Fully Convolutional Network for Automatic Road Extraction from Satellite Imagery. , 2018, , .		96
2	DeepExt: A Convolution Neural Network for Road Extraction using RGB images captured by UAV. , 2018, , .		24
3	Knowledge-Graph Based Multi-Target Deep-Learning Models for Train Anomaly Detection. , 2018, , .		5
4	D-LinkNet: LinkNet with Pretrained Encoder and Dilated Convolution for High Resolution Satellite Imagery Road Extraction. , 2018, , .		435
5	RGB-NIR Demosaicing Using Deep Residual U-Net. , 2018, , .		6
6	Photographic Image Synthesis with Highway Residual U-net. , 2018, , .		0
7	Urban Land Use and Land Cover Classification Using Novel Deep Learning Models Based on High Spatial Resolution Satellite Imagery. Sensors, 2018, 18, 3717.	3.8	120
8	Automated Pixel-Level Surface Crack Detection Using U-Net. Lecture Notes in Computer Science, 2018, , 69-78.	1.3	14
9	Toward the Use of Deep Learning for Topographic Feature Extraction from High Resolution Optical Satellite Imagery. , 2018, , .		1
10	CPNet: A Context Preserver Convolutional Neural Network for Detecting Shadows in Single RGB Images. , 2018, , .		9
11	Automatic Segmentation of Mauritia flexuosa in Unmanned Aerial Vehicle (UAV) Imagery Using Deep Learning. Forests, 2018, 9, 736.	2.1	62
12	Towards Operational Satellite-Based Damage-Mapping Using U-Net Convolutional Network: A Case Study of 2011 Tohoku Earthquake-Tsunami. Remote Sensing, 2018, 10, 1626.	4.0	76
13	Road Extraction From a High Spatial Resolution Remote Sensing Image Based on Richer Convolutional Features. IEEE Access, 2018, 6, 46988-47000.	4.2	43
14	Road Extraction from High-Resolution Remote Sensing Imagery Using Deep Learning. Remote Sensing, 2018, 10, 1461.	4.0	186
15	ScatterNet: A convolutional neural network for cone‐beam CT intensity correction. Medical Physics, 2018, 45, 4916-4926.	3.0	101
16	Road Segmentation in SAR Satellite Images With Deep Fully Convolutional Neural Networks. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1867-1871.	3.1	143
17	Pixel-wise regression using U-Net and its application on pansharpening. Neurocomputing, 2018, 312, 364-371.	5.9	85
18	FADN: Features Attention with Deep Networks for Remote-Image Classification. , 2019, , .		2

#	Article	IF	Citations
19	TAAWUN: a Decision Fusion and Feature Specific Road Detection Approach for Connected Autonomous Vehicles. Mobile Networks and Applications, 2023, 28, 636-652.	3.3	25
20	Multiscale Road Extraction in Remote Sensing Images. Computational Intelligence and Neuroscience, 2019, 2019, 1-9.	1.7	23
21	An RDAU-NET model for lesion segmentation in breast ultrasound images. PLoS ONE, 2019, 14, e0221535.	2.5	103
22	Learnable Gated Convolutional Neural Network for Semantic Segmentation in Remote-Sensing Images. Remote Sensing, 2019, 11, 1922.	4.0	25
23	Automatic Segmentation of River and Land in SAR Images: A Deep Learning Approach. , 2019, , .		31
24	Thermal Infrared Pedestrian Segmentation Based on Conditional GAN. IEEE Transactions on Image Processing, 2019, 28, 6007-6021.	9.8	39
25	Vehicle Detection From High-Resolution Remote Sensing Imagery Using Convolutional Capsule Networks. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1894-1898.	3.1	32
26	A Two-Step Deep Convolution Neural Network for Road Extraction from Aerial Images. , 2019, , .		7
27	An Improved Perceptual Hash Algorithm Based on U-Net for the Authentication of High-Resolution Remote Sensing Image. Applied Sciences (Switzerland), 2019, 9, 2972.	2.5	14
28	Semantic Segmentation of Urban Buildings from VHR Remote Sensing Imagery Using a Deep Convolutional Neural Network. Remote Sensing, 2019, 11, 1774.	4.0	146
29	CloudFCN: Accurate and Robust Cloud Detection for Satellite Imagery with Deep Learning. Remote Sensing, 2019, 11, 2312.	4.0	55
30	Contour-Aware Residual W-Net for Nuclei Segmentation. Procedia Computer Science, 2019, 159, 1479-1488.	2.0	11
31	Object Extraction From Very High-Resolution Images Using a Convolutional Neural Network Based on a Noisy Large-Scale Dataset. IEEE Access, 2019, 7, 122784-122795.	4.2	7
32	Feature Extraction and Tracking of CNN Segmentations for Improved Road Detection from Satellite Imagery. , 2019, , .		4
33	CASI: A Convolutional Neural Network Approach for Shell Identification. Astrophysical Journal, 2019, 880, 83.	4.5	22
34	Road Extraction from Very High Resolution Images Using Weakly labeled OpenStreetMap Centerline. ISPRS International Journal of Geo-Information, 2019, 8, 478.	2.9	39
35	Road Extraction of High-Resolution Remote Sensing Images Derived from DenseUNet. Remote Sensing, 2019, 11, 2499.	4.0	76
36	Lane-Level Road Extraction from High-Resolution Optical Satellite Images. Remote Sensing, 2019, 11, 2672.	4.0	16

#	Article	IF	Citations
37	Post-Disaster Building Database Updating Using Automated Deep Learning: An Integration of Pre-Disaster OpenStreetMap and Multi-Temporal Satellite Data. Remote Sensing, 2019, 11, 2427.	4.0	48
38	Texture Segmentation: An Objective Comparison between Five Traditional Algorithms and a Deep-Learning U-Net Architecture. Applied Sciences (Switzerland), 2019, 9, 3900.	2.5	16
39	Deep Residual Autoencoder with Multiscaling for Semantic Segmentation of Land-Use Images. Remote Sensing, 2019, 11, 2142.	4.0	20
40	Multi-Scale and Multi-Task Deep Learning Framework for Automatic Road Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9362-9377.	6.3	120
41	DeepCMB: Lensing reconstruction of the cosmic microwave background with deep neural networks. Astronomy and Computing, 2019, 28, 100307.	1.7	49
42	A Novel Deep Structure U-Net for Sea-Land Segmentation in Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3219-3232.	4.9	75
43	Precipitation Nowcasting with Satellite Imagery. , 2019, , .		39
44	Deep neural network for pixel-level electromagnetic particle identification in the MicroBooNE liquid argon time projection chamber. Physical Review D, 2019, 99, .	4.7	47
45	Dense Refinement Residual Network for Road Extraction From Aerial Imagery Data. IEEE Access, 2019, 7, 151764-151782.	4.2	17
46	Semantic Segmentation of Aerial Images using FCN-based Network. , 2019, , .		2
47	Loss Function Selection in a Problem of Satellite Image Segmentation Using Convolutional Neural Network. , 2019, , .		2
48	Abdominal artery segmentation method from CT volumes using fully convolutional neural network. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 2069-2081.	2.8	20
49	Ship Detection Using a Fully Convolutional Network with Compact Polarimetric SAR Images. Remote Sensing, 2019, 11, 2171.	4.0	42
50	Automatic choroidal segmentation in OCT images using supervised deep learning methods. Scientific Reports, 2019, 9, 13298.	3.3	82
51	Learning Cartographic Building Generalization with Deep Convolutional Neural Networks. ISPRS International Journal of Geo-Information, 2019, 8, 258.	2.9	59
52	Road Extraction from Unmanned Aerial Vehicle Remote Sensing Images Based on Improved Neural Networks. Sensors, 2019, 19, 4115.	3.8	22
53	Automatic Building Extraction from Google Earth Images under Complex Backgrounds Based on Deep Instance Segmentation Network. Sensors, 2019, 19, 333.	3.8	50
54	Employing Deep Networks for Image Processing on Small Research Datasets. Microscopy Today, 2019, 27, 18-23.	0.3	4

#	Article	IF	Citations
55	Retinal image synthesis from multiple-landmarks input with generative adversarial networks. BioMedical Engineering OnLine, 2019, 18, 62.	2.7	59
56	A cloud detection algorithm for satellite imagery based on deep learning. Remote Sensing of Environment, 2019, 229, 247-259.	11.0	221
57	Reducing the U-Net size for practical scenarios: Virus recognition in electron microscopy images. Computer Methods and Programs in Biomedicine, 2019, 178, 31-39.	4.7	30
58	A Novel Octree-Based 3-D Fully Convolutional Neural Network for Point Cloud Classification in Road Environment. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7799-7818.	6.3	13
59	Road Detection and Centerline Extraction Via Deep Recurrent Convolutional Neural Network U-Net. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7209-7220.	6.3	138
60	Road Extraction by Using Atrous Spatial Pyramid Pooling Integrated Encoder-Decoder Network and Structural Similarity Loss. Remote Sensing, 2019, 11, 1015.	4.0	116
61	Urban Building Change Detection in SAR Images Using Combined Differential Image and Residual U-Net Network. Remote Sensing, 2019, 11, 1091.	4.0	46
62	JointNet: A Common Neural Network for Road and Building Extraction. Remote Sensing, 2019, 11, 696.	4.0	72
63	Towards Automatic Extraction and Updating of VGI-Based Road Networks Using Deep Learning. Remote Sensing, 2019, 11, 1012.	4.0	18
64	A Novel Weakly Supervised Multitask Architecture for Retinal Lesions Segmentation on Fundus Images. IEEE Transactions on Medical Imaging, 2019, 38, 2434-2444.	8.9	62
65	Shadow Detection in Single RGB Images Using a Context Preserver Convolutional Neural Network Trained by Multiple Adversarial Examples. IEEE Transactions on Image Processing, 2019, 28, 4117-4129.	9.8	20
66	Road Extraction from High-Resolution Remote Sensing Imagery Using Refined Deep Residual Convolutional Neural Network. Remote Sensing, 2019, 11, 552.	4.0	90
67	Road Topology Refinement via a Multi-Conditional Generative Adversarial Network. Sensors, 2019, 19, 1162.	3.8	12
68	Exploring semantic elements for urban scene recognition: Deep integration of high-resolution imagery and OpenStreetMap (OSM). ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 151, 237-250.	11.1	49
69	Using the wide-range attention U-Net for road segmentation. Remote Sensing Letters, 2019, 10, 506-515.	1.4	34
70	Anime Sketch Coloring with Swish-Gated Residual U-Net. Communications in Computer and Information Science, 2019, , 190-204.	0.5	5
71	Intersection to Overpass: Instance Segmentation on Filamentous Structures With an Orientation-Aware Neural Network and Terminus Pairing Algorithm. , 2019, 2019, 125-133.		5
72	Inner Cell Mass and Trophectoderm Segmentation in Human Blastocyst Images using Deep Neural Network. , 2019, , .		5

#	Article	IF	Citations
73	Image Segmentation of Zona-Ablated Human Blastocysts. , 2019, , .		4
74	Improved Road Connectivity by Joint Learning of Orientation and Segmentation. , 2019, , .		113
75	Remote Estimation of Free-Flow Speeds. , 2019, , .		3
76	Semantic Segmentation of Printed Text from Marathi Document Images using Deep Learning Methods. , 2019, , .		1
77	A Lightweight Neural Network Framework for Cross-Domain Road Matching. , 2019, , .		4
78	5M-Building: A Large-Scale High-Resolution Building Dataset with CNN Based Detection Analysis. , 2019, , .		6
79	Full-Resolution Image Segmentation Model Combining Multi-Source Input Information. , 2019, , .		0
80	ARU-Net: Research and Application for Wrist Reference Bone Segmentation. , 2019, , .		1
81	Corn Fine Classification With Gf-3 High-Resolution Sar Data Based on Deep Learning. , 2019, , .		1
82	Ensemble of Training Models for Road and Building Segmentation. , 2019, , .		1
83	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
84	Deep Learning Techniques Applied for Road Segmentation. , 2019, , .		4
85	Cellular Segmentation of Bright-field Absorbance Images Using Residual U-Net. , 2019, , .		5
86	NTIRE 2019 Challenge on Real Image Denoising: Methods and Results. , 2019, , .		45
87	Interactive Anime Sketch Colorization with Style Consistency via a Deep Residual Neural Network. , 2019, , .		3
88	ResUNet++: An Advanced Architecture for Medical Image Segmentation. , 2019, , .		434
89	Road Network Extraction from Satellite Images Using CNN Based Segmentation and Tracing. , 2019, , .		7
90	A Method for Road Extraction from High-Resolution Remote Sensing Images Based on Multi-Kernel Learning. Information (Switzerland), 2019, 10, 385.	2.9	1

#	Article	IF	Citations
91	Detecting Hardly Visible Roads in Low-Resolution Satellite Time Series Data. , 2019, , .		10
92	Multiscale Residual Convolution Neural Network and Sector Descriptor-Based Road Detection Method. IEEE Access, 2019, 7, 173377-173392.	4.2	12
93	Automatic Segmentation Method of Phalange Regions Based on Residual U-Net and MSGVF Snakes. , 2019, , .		1
94	A Background-based Data Enhancement Method for Lymphoma Segmentation in 3D PET Images. , 2019, , .		2
95	BASNet: Boundary-Aware Salient Object Detection. , 2019, , .		806
96	Aerial Unstructured Road Segmentation Based on Deep Convolution Neural Network. , 2019, , .		4
97	Artificial Intelligence for Automatic Measurement of Sagittal Vertical Axis Using ResUNet Framework. Journal of Clinical Medicine, 2019, 8, 1826.	2.4	39
98	Fusing Taxi Trajectories and RS Images to Build Road Map via DCNN. IEEE Access, 2019, 7, 161487-161498.	4.2	15
99	ARU-Net: Research and Application for Wrist Reference Bone Segmentation. IEEE Access, 2019, 7, 166930-166938.	4.2	1
100	Automated Method of Road Extraction from Aerial Images Using a Deep Convolutional Neural Network. Applied Sciences (Switzerland), 2019, 9, 4825.	2.5	19
101	Road Detection via Deep Residual Dense U-Net. , 2019, , .		18
102	A Convolutional Neural Network Approach for Road Anomalies Detection in Bangladesh with Image Thresholding. , 2019, , .		3
103	Residual Unet for Urban Building Change Detection with Sentinel-1 SAR Data. , 2019, , .		13
104	Pixel-wise Road Pavement Defects Detection Using U-Net Deep Neural Network. , 2019, , .		10
105	D-Resunet: Resunet and Dilated Convolution for High Resolution Satellite Imagery Road Extraction. , 2019, , .		18
106	Weed Mapping Using Very High Resolution Satellite Imagery and Fully Convolutional Neural Network. , 2019, , .		6
107	Improving the Efficiency of Encoder-Decoder Architecture for Pixel-Level Crack Detection. IEEE Access, 2019, 7, 186657-186670.	4.2	33
108	Spatial Information Inference Net: Road Extraction Using Road-Specific Contextual Information. , 2019, , .		3

#	Article	IF	Citations
109	Modification of U-Net neural network in the task of multichannel satellite images segmentation. , 2019, , .		9
110	A Y-Net deep learning method for road segmentation using high-resolution visible remote sensing images. Remote Sensing Letters, 2019, 10, 381-390.	1.4	48
111	Multi-Temporal SAR Data Large-Scale Crop Mapping Based on U-Net Model. Remote Sensing, 2019, 11, 68.	4.0	102
112	Road Segmentation Based on Hybrid Convolutional Network for High-Resolution Visible Remote Sensing Image. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 613-617.	3.1	36
113	AdaResU-Net: Multiobjective adaptive convolutional neural network for medical image segmentation. Neurocomputing, 2020, 392, 325-340.	5.9	86
114	Evolutionary Compression of Deep Neural Networks for Biomedical Image Segmentation. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2916-2929.	11.3	40
115	Conductive particle detection via deep learning for ACF bonding in TFT-LCD manufacturing. Journal of Intelligent Manufacturing, 2020, 31, 1037-1049.	7.3	23
116	Corse-to-Fine Road Extraction Based on Local Dirichlet Mixture Models and Multiscale-High-Order Deep Learning. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4283-4293.	8.0	29
117	From W-Net to CDGAN: Bitemporal Change Detection via Deep Learning Techniques. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1790-1802.	6.3	97
118	Deep Learning for Multilabel Remote Sensing Image Annotation With Dual-Level Semantic Concepts. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4047-4060.	6.3	26
119	One View Per City for Buildings Segmentation in Remote-Sensing Images via Fully Convolutional Networks: A Proof-of-Concept Study. Sensors, 2020, 20, 141.	3.8	3
120	Dense Dilated Network With Probability Regularized Walk for Vessel Detection. IEEE Transactions on Medical Imaging, 2020, 39, 1392-1403.	8.9	96
121	Learning discriminative spatiotemporal features for precise crop classification from multi-temporal satellite images. International Journal of Remote Sensing, 2020, 41, 3162-3174.	2.9	32
122	Automated Artemia length measurement using U-shaped fully convolutional networks and second-order anisotropic Gaussian kernels. Computers and Electronics in Agriculture, 2020, 168, 105102.	7.7	8
123	Receptive Field Size as a Key Design Parameter for Ultrasound Image Segmentation with U-Net. , 2020, 2020, 2117-2120.		3
124	An Enhanced Residual U-Net for Microaneurysms and Exudates Segmentation in Fundus Images. IEEE Access, 2020, 8, 185514-185525.	4.2	29
125	Deep learning for topology optimization of 2D metamaterials. Materials and Design, 2020, 196, 109098.	7.0	177
126	Mapping horizontal and vertical urban densification in Denmark with Landsat time-series from 1985 to 2018: A semantic segmentation solution. Remote Sensing of Environment, 2020, 251, 112096.	11.0	57

#	ARTICLE	IF	CITATIONS
127	NAS-HRIS: Automatic Design and Architecture Search of Neural Network for Semantic Segmentation in Remote Sensing Images. Sensors, 2020, 20, 5292.	3.8	27
128	Detecting functional field units from satellite images in smallholder farming systems using a deep learning based computer vision approach: A case study from Bangladesh. Remote Sensing Applications: Society and Environment, 2020, 20, 100413.	1.5	11
129	IT-Block: Inverted Triangle Block embedded U-Net for Medical Image Segmentation. , 2020, , .		2
130	VNet: An End-to-End Fully Convolutional Neural Network for Road Extraction From High-Resolution Remote Sensing Data. IEEE Access, 2020, 8, 179424-179436.	4.2	89
131	Render U-Net: A Unique Perspective on Render to Explore Accurate Medical Image Segmentation. Applied Sciences (Switzerland), 2020, 10, 6439.	2.5	4
132	Deep residual U-net with input of static structural responses for efficient U* load transfer path analysis. Advanced Engineering Informatics, 2020, 46, 101184.	8.0	10
133	A New Deep-Learning-Based Approach for Earthquake-Triggered Landslide Detection From Single-Temporal RapidEye Satellite Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 6166-6176.	4.9	66
134	Rebar detection and localization for bridge deck inspection and evaluation using deep residual networks. Automation in Construction, 2020, 120, 103393.	9.8	27
135	Identifying and mapping individual plants in a highly diverse high-elevation ecosystem using UAV imagery and deep learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 169, 280-291.	11.1	54
136	A novel supervised learning method to generate CT images for attenuation correction in delayed pet scans. Computer Methods and Programs in Biomedicine, 2020, 197, 105764.	4.7	3
137	BT-RoadNet: A boundary and topologically-aware neural network for road extraction from high-resolution remote sensing imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2020, 168, 288-306.	11.1	70
138	Accurate road segmentation in remote sensing images using dense residual learning and improved focal loss. Journal of Physics: Conference Series, 2020, 1544, 012101.	0.4	1
139	Guided Depth Map Super-Resolution Using Recumbent Y Network. IEEE Access, 2020, 8, 122695-122708.	4.2	10
140	Identification of Agricultural Row Features Using Optical Data for Scattering and Reflectance Modeling Over Periodic Surfaces. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1729-1739.	4.9	2
141	Building NAS: Automatic designation of efficient neural architectures for building extraction in high-resolution aerial images. Image and Vision Computing, 2020, 103, 104025.	4.5	5
142	Semi-automatic Extraction of Rural Roads From High-Resolution Remote Sensing Images Based on a Multifeature Combination. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	5
143	Coronary Wall Segmentation in CCTA Scans Via a Hybrid Net with Contours Regularization. , 2020, , .		4
144	Deep Semantic Segmentation of Center Pivot Irrigation Systems from Remotely Sensed Data. Remote Sensing, 2020, 12, 2159.	4.0	29

#	ARTICLE	IF	CITATIONS
145	RefineU-Net: Improved U-Net with progressive global feedbacks and residual attention guided local refinement for medical image segmentation. Pattern Recognition Letters, 2020, 138, 267-275.	4.2	32
146	Deep Learning with Open Data for Desert Road Mapping. Remote Sensing, 2020, 12, 2274.	4.0	12
147	Volumetric lung nodule segmentation using adaptive ROI with multi-view residual learning. Scientific Reports, 2020, 10, 12839.	3.3	55
148	SMAF-Net: Sharing Multiscale Adversarial Feature for High-Resolution Remote Sensing Imagery Semantic Segmentation. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1921-1925.	3.1	11
149	Deep Learning for Land Use and Land Cover Classification Based on Hyperspectral and Multispectral Earth Observation Data: A Review. Remote Sensing, 2020, 12, 2495.	4.0	177
150	Wavelet Synthesis Net for Disparity Estimation to Synthesize DSLR Calibre Bokeh Effect on Smartphones. , 2020, , .		12
151	Recent Studies on Void Shrinkage in Metallic Materials Subjected to In Situ Heavy Ion Irradiations. Jom, 2020, 72, 4008-4016.	1.9	8
152	Human cognition based framework for detecting roads from remote sensing images. Geocarto International, 2022, 37, 2365-2384.	3.5	10
153	An Ensemble Wasserstein Generative Adversarial Network Method for Road Extraction From High Resolution Remote Sensing Images in Rural Areas. IEEE Access, 2020, 8, 174317-174324.	4.2	19
154	Comparing U-Net Based Models for Denoising Color Images. AI, 2020, 1, 465-487.	3.8	15
155	Automated Object Labeling For Cnn-Based Image Segmentation. , 2020, , .		2
156	Road Extraction Based on Level Set Approach From Very High-Resolution Images With Volunteered Geographic Information. IEEE Access, 2020, 8, 178587-178599.	4.2	5
157	End-to-End Phoneme Recognition using Models from Semantic Image Segmentation. , 2020, , .		0
158	Learning and Feature Extraction Based Fundamental Frequency Determination Algorithm in Very Low SNR Scenario. , 2020, , .		0
159	Neural Network Training for the Detection and Classification of Oceanic Mesoscale Eddies. Remote Sensing, 2020, 12, 2625.	4.0	19
160	Deep Learning for Neuroimaging Segmentation with a Novel Data Augmentation Strategy. , 2020, 2020, 1516-1519.		6
161	Encoderâ€"Decoder Full Residual Deep Networks for Robust Regression and Spatiotemporal Estimation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4217-4230.	11.3	17
162	XFinger-Net: Pixel-Wise Segmentation Method for Partially Defective Fingerprint Based on Attention Gates and U-Net. Sensors, 2020, 20, 4473.	3.8	10

#	Article	IF	Citations
163	A Symmetric grammar approach for designing segmentation models. , 2020, , .		3
164	OSMWatchman: Learning How to Detect Vandalized Contributions in OSM Using a Random Forest Classifier. ISPRS International Journal of Geo-Information, 2020, 9, 504.	2.9	7
165	An Effective Lunar Crater Recognition Algorithm Based on Convolutional Neural Network. Remote Sensing, 2020, 12, 2694.	4.0	21
166	Learn to Extract Building Outline from Misaligned Annotation through Nearest Feature Selector. Remote Sensing, 2020, 12, 2722.	4.0	1
167	DeepEC: An error correction framework for dose prediction and organ segmentation using deep neural networks. International Journal of Intelligent Systems, 2020, 35, 1987-2008.	5.7	13
168	An Enhanced GAN Model for Automatic Satellite-to-Map Image Conversion. IEEE Access, 2020, 8, 176704-176716.	4.2	15
169	Performance Analysis of Deep Convolutional Autoencoders with Different Patch Sizes for Change Detection from Burnt Areas. Remote Sensing, 2020, 12, 2576.	4.0	23
170	Spaceborne SAR Data for Regional Urban Mapping Using a Robust Building Extractor. Remote Sensing, 2020, 12, 2791.	4.0	10
171	A Survey of Computer Vision Methods for 2D Object Detection from Unmanned Aerial Vehicles. Journal of Imaging, 2020, 6, 78.	3.0	60
172	High-Resolution SAR Image Classification Using Context-Aware Encoder Network and Hybrid Conditional Random Field Model. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5317-5335.	6.3	15
173	Road Extraction Methods in High-Resolution Remote Sensing Images: A Comprehensive Review. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5489-5507.	4.9	69
174	Road Extraction from Very-High-Resolution Remote Sensing Images via a Nested SE-Deeplab Model. Remote Sensing, 2020, 12, 2985.	4.0	49
175	A Novel Multi-Branch Channel Expansion Network for Garbage Image Classification. IEEE Access, 2020, 8, 154436-154452.	4.2	34
176	DoubleU-Net: A Deep Convolutional Neural Network for Medical Image Segmentation. , 2020, , .		286
177	Automatic Primary Gross Tumor Volume Segmentation for Nasopharyngeal Carcinoma using ResSE-UNet. , 2020, , .		2
178	Semantic segmentation and colorization of grayscale aerial imagery with <scp>Wâ€Net</scp> models. Expert Systems, 2020, 37, e12622.	4.5	8
179	Road network extraction and vectorization of remote sensing images based on deep learning. , 2020, , .		4
180	VecRoad: Point-Based Iterative Graph Exploration for Road Graphs Extraction. , 2020, , .		52

#	Article	IF	Citations
181	A Self-Supervised Learning Framework for Road Centerline Extraction From High-Resolution Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4451-4461.	4.9	21
182	Real-Time Ultrasound Image Despeckling Using Mixed-Attention Mechanism Based Residual UNet. IEEE Access, 2020, 8, 195327-195340.	4.2	30
183	Detail Restoration and Tone Mapping Networks for X-Ray Security Inspection. IEEE Access, 2020, 8, 197473-197483.	4.2	5
184	An Evolutionary DenseRes Deep Convolutional Neural Network for Medical Image Segmentation. IEEE Access, 2020, 8, 212298-212314.	4.2	16
185	DiResNet: Direction-Aware Residual Network for Road Extraction in VHR Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 10243-10254.	6.3	42
186	Identifying Soil Erosion Processes in Alpine Grasslands on Aerial Imagery with a U-Net Convolutional Neural Network. Remote Sensing, 2020, 12, 4149.	4.0	12
187	Deep Residual U-Net Based Lung Image Segmentation for Lung Disease Detection. IOP Conference Series: Materials Science and Engineering, 2020, 803, 012004.	0.6	10
188	Automated Inline Analysis of Myocardial Perfusion MRI with Deep Learning. Radiology: Artificial Intelligence, 2020, 2, e200009.	5.8	32
189	A Deep Learning-Based Solution for Large-Scale Extraction of the Secondary Road Network from High-Resolution Aerial Orthoimagery. Applied Sciences (Switzerland), 2020, 10, 7272.	2.5	17
190	Automatic Carbonate Rock Facies Identification with Deep Learning. , 2020, , .		5
191	An OSM Data-Driven Method for Road-Positive Sample Creation. Remote Sensing, 2020, 12, 3612.	4.0	2
192	Deep-Learning-Based Segmentation and Localization of White Matter Hyperintensities on Magnetic Resonance Images. Interdisciplinary Sciences, Computational Life Sciences, 2020, 12, 438-446.	3.6	8
193	Road Extraction From Remote Sensing Images in Wildland–Urban Interface Areas. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	3
194	MimickNet, Mimicking Clinical Image Post- Processing Under Black-Box Constraints. IEEE Transactions on Medical Imaging, 2020, 39, 2277-2286.	8.9	22
195	DeepWindow: Sliding Window Based on Deep Learning for Road Extraction From Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 1905-1916.	4.9	32
196	Multi-Step Short-Term Wind Speed Prediction Using a Residual Dilated Causal Convolutional Network with Nonlinear Attention. Energies, 2020, 13, 1772.	3.1	27
197	Deep Learning Approaches Applied to Remote Sensing Datasets for Road Extraction: A State-Of-The-Art Review. Remote Sensing, 2020, 12, 1444.	4.0	169
198	Automated detection of left ventricle in arterial input function images for inline perfusion mapping using deep learning: A study of 15,000 patients. Magnetic Resonance in Medicine, 2020, 84, 2788-2800.	3.0	19

#	ARTICLE	IF	CITATIONS
199	Deep learning for dune pattern mapping with the AW3D30 global surface model. Earth Surface Processes and Landforms, 2020, 45, 2417-2431.	2.5	32
200	Simultaneous Road Surface and Centerline Extraction From Large-Scale Remote Sensing Images Using CNN-Based Segmentation and Tracing. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8919-8931.	6.3	84
201	A Deep Learning-Based Robust Change Detection Approach for Very High Resolution Remotely Sensed Images with Multiple Features. Remote Sensing, 2020, 12, 1441.	4.0	2
202	ANU-Net: Attention-based nested U-Net to exploit full resolution features for medical image segmentation. Computers and Graphics, 2020, 90, 11-20.	2.5	105
203	Extracting apple tree crown information from remote imagery using deep learning. Computers and Electronics in Agriculture, 2020, 174, 105504.	7.7	55
204	Learning to Segment Vessels from Poorly Illuminated Fundus Images. , 2020, , .		5
205	Segmentation and Detection of Road Region in Aerial Images using Hybrid CNN-Random Field Algorithm. , 2020, , .		1
206	Segmentation of Cell Images Based on Improved Deep Learning Approach. IEEE Access, 2020, 8, 110189-110202.	4.2	10
207	Improved Semantic Segmentation of Water Bodies and Land in SAR Images Using Generative Adversarial Networks. International Journal of Semantic Computing, 2020, 14, 55-69.	0.5	29
208	Topology-Enhanced Urban Road Extraction via a Geographic Feature-Enhanced Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8819-8830.	6.3	26
209	A Cross Entropy Based Deep Neural Network Model for Road Extraction from Satellite Images. Entropy, 2020, 22, 535.	2.2	17
210	Change Detection of Deforestation in the Brazilian Amazon Using Landsat Data and Convolutional Neural Networks. Remote Sensing, 2020, 12, 901.	4.0	123
211	An End-to-End and Localized Post-Processing Method for Correcting High-Resolution Remote Sensing Classification Result Images. Remote Sensing, 2020, 12, 852.	4.0	14
212	GPU-Accelerated Automatic Microseismic Monitoring Algorithm (GAMMA) and Its Application to the 2019 Ridgecrest Earthquake Sequence. Seismological Research Letters, 2020, 91, 2062-2074.	1.9	12
213	Defects Inspection in Polycrystalline Solar Cells Electroluminescence Images Using Deep Learning. IEEE Access, 2020, 8, 40547-40558.	4.2	40
214	Automatic Coal and Gangue Segmentation Using U-Net Based Fully Convolutional Networks. Energies, 2020, 13, 829.	3.1	34
215	A Framework Based on Nesting of Convolutional Neural Networks to Classify Secondary Roads in High Resolution Aerial Orthoimages. Remote Sensing, 2020, 12, 765.	4.0	17
216	First arrival picking of microseismic signals based on nested U-Net and Wasserstein Generative Adversarial Network. Journal of Petroleum Science and Engineering, 2020, 195, 107527.	4.2	16

#	ARTICLE	IF	CITATIONS
217	Lightweight Prediction and Boundary Attention-Based Semantic Segmentation for Road Scene Understanding. IEEE Access, 2020, 8, 108449-108460.	4.2	7
218	Breast mass segmentation in ultrasound with selective kernel U-Net convolutional neural network. Biomedical Signal Processing and Control, 2020, 61, 102027.	5.7	122
219	Grammar Guided Genetic Programming for Network Architecture Search and Road Detection on Aerial Orthophotography. Applied Sciences (Switzerland), 2020, 10, 3953.	2.5	5
220	Earth Observation and Artificial Intelligence for Improving Safety to Navigation in Canada Low-Impact Shipping Corridors. ISPRS International Journal of Geo-Information, 2020, 9, 383.	2.9	3
221	Automatic Gully Detection: Neural Networks and Computer Vision. Remote Sensing, 2020, 12, 1743.	4.0	26
222	City-Scale Road Extraction from Satellite Imagery v2: Road Speeds and Travel Times. , 2020, , .		30
223	Deep Learning in 5G Wireless Networks - Anomaly Detections. , 2020, , .		9
224	Magnetic Resonance Image Segmentation Based on Multi-Scale Convolutional Neural Network. IEEE Access, 2020, 8, 65758-65768.	4.2	8
225	Band-Independent Encoder–Decoder Network for Pan-Sharpening of Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5208-5223.	6.3	12
226	PoreFlow-Net: A 3D convolutional neural network to predict fluid flow through porous media. Advances in Water Resources, 2020, 138, 103539.	3.8	125
227	Deep learning based automated analysis of archaeo€geophysical images. Archaeological Prospection, 2020, 27, 107-118.	2.2	18
228	A segmentation network with multiattention and its application to SAR image analysis. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 570-576.	1.4	3
229	An Improved Method for Road Extraction from High-Resolution Remote-Sensing Images that Enhances Boundary Information. Sensors, 2020, 20, 2064.	3.8	35
230	Automatic Seamline Determination for Urban Image Mosaicking Based on Road Probability Map from the D-LinkNet Neural Network. Sensors, 2020, 20, 1832.	3.8	10
231	Automatic Windthrow Detection Using Very-High-Resolution Satellite Imagery and Deep Learning. Remote Sensing, 2020, 12, 1145.	4.0	30
232	Design of Integrated Road Perception and Lane Detection System for Driver Intention Inference. , 2020, , 77-98.		1
233	Spatio-Temporal Deep Learning Approach to Map Deforestation in Amazon Rainforest. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 771-775.	3.1	33
234	MI-UNet: Multi-Inputs UNet Incorporating Brain Parcellation for Stroke Lesion Segmentation From T1-Weighted Magnetic Resonance Images. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 526-535.	6.3	48

#	Article	IF	Citations
235	No Surprises: Training Robust Lung Nodule Detection for Low-Dose CT Scans by Augmenting With Adversarial Attacks. IEEE Transactions on Medical Imaging, 2021, 40, 335-345.	8.9	26
236	Road Extraction from High-Resolution Orthophoto Images Using Convolutional Neural Network. Journal of the Indian Society of Remote Sensing, 2021, 49, 569-583.	2.4	20
237	Extracting road maps from high-resolution satellite imagery using refined DSE-LinkNet. Connection Science, 2021, 33, 278-295.	3.0	5
238	Surface and Internal Fingerprint Reconstruction From Optical Coherence Tomography Through Convolutional Neural Network. IEEE Transactions on Information Forensics and Security, 2021, 16, 685-700.	6.9	24
239	Dragonflies segmentation with U-Net based on cascaded ResNeXt cells. Neural Computing and Applications, 2021, 33, 4567-4578.	5.6	5
240	Learning From GPS Trajectories of Floating Car for CNN-Based Urban Road Extraction With High-Resolution Satellite Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1836-1847.	6.3	23
241	Eigenrank by committee: Von-Neumann entropy based data subset selection and failure prediction for deep learning based medical image segmentation. Medical Image Analysis, 2021, 67, 101834.	11.6	11
242	Attention-Based Road Registration for GPS-Denied UAS Navigation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1788-1800.	11.3	10
243	Automated crater detection with human level performance. Computers and Geosciences, 2021, 147, 104645.	4.2	14
244	MhURI:A Supervised Segmentation Approach to Leverage Salient Brain Tissues in Magnetic Resonance Images. Computer Methods and Programs in Biomedicine, 2021, 200, 105841.	4.7	10
245	An automated estimator for Cobb angle measurement using multi-task networks. Neural Computing and Applications, 2021, 33, 4755-4761.	5.6	15
246	Automated segmentation of retinal nonperfusion area in fluorescein angiography in retinal vein occlusion using convolutional neural networks. Medical Physics, 2021, 48, 648-658.	3.0	12
247	A review of deep learning methods for semantic segmentation of remote sensing imagery. Expert Systems With Applications, 2021, 169, 114417.	7.6	278
248	ECGAN: An Improved Conditional Generative Adversarial Network With Edge Detection to Augment Limited Training Data for the Classification of Remote Sensing Images With High Spatial Resolution. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 1311-1325.	4.9	7
249	Deep Learning for Regular Change Detection in Ukrainian Forest Ecosystem With Sentinel-2. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 364-376.	4.9	28
250	Using Adversarial Network for Multiple Change Detection in Bitemporal Remote Sensing Imagery. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	18
251	Automatic Road Extraction from High-Resolution Remote Sensing Images Using a Method Based on Densely Connected Spatial Feature-Enhanced Pyramid. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 3-17.	4.9	38
252	Optimized deep encoder-decoder methods for crack segmentation. , 2021, 108, 102907.		35

#	Article	IF	Citations
253	ARPMâ€net: A novel CNNâ€based adversarial method with Markov random field enhancement for prostate and organs at risk segmentation in pelvic CT images. Medical Physics, 2021, 48, 227-237.	3.0	18
254	CS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msup><mml:mrow /><mml:mn>2</mml:mn></mml:msup></mml:math>-Net: Deep learning segmentation of curvilinear structures in medical imaging. Medical Image Analysis, 2021, 67, 101874.	11.6	166
255	SiameseGAN: A Generative Model for Denoising of Spectral Domain Optical Coherence Tomography Images. IEEE Transactions on Medical Imaging, 2021, 40, 180-192.	8.9	39
256	O-SegNet: Robust Encoder and Decoder Architecture for Objects Segmentation From Aerial Imagery Data. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 556-567.	4.9	6
257	Automatic Segmentation of Brain Structures for Treatment Planning Optimization and Target Volume Definition. Lecture Notes in Computer Science, 2021, , 40-48.	1.3	1
258	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
259	Semantic Labeling of Large-Area Geographic Regions Using Multiview and Multidate Satellite Images and Noisy OSM Training Labels. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4573-4594.	4.9	3
260	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
261	Orthogonal Ensemble Networks for Biomedical Image Segmentation. Lecture Notes in Computer Science, 2021, , 594-603.	1.3	9
262	MBFF-Net: Multi-Branch Feature Fusion Network for Carotid Plaque Segmentation in Ultrasound. Lecture Notes in Computer Science, 2021, , 313-322.	1.3	3
263	D-GaussianNet: Adaptive Distorted Gaussian Matched Filter with Convolutional Neural Network for Retinal Vessel Segmentation. Communications in Computer and Information Science, 2021, , 378-392.	0.5	16
264	Mapping Large-Scale Mangroves along the Maritime Silk Road from 1990 to 2015 Using a Novel Deep Learning Model and Landsat Data. Remote Sensing, 2021, 13, 245.	4.0	30
265	MSACon: Mining Spatial Attention-Based Contextual Information for Road Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	14
266	MDAN: Mirror Difference Aware Network for Brain Stroke Lesion Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1628-1639.	6.3	8
267	Real-Time Polyp Detection, Localization and Segmentation in Colonoscopy Using Deep Learning. IEEE Access, 2021, 9, 40496-40510.	4.2	160
269	Automatic Road Extraction From Remote Sensing Imagery Using Ensemble Learning and Postprocessing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10535-10547.	4.9	14
270	RanPaste: Paste Consistency and Pseudo Label for Semisupervised Remote Sensing Image Semantic Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	17
271	Multi-Level Attention Network for Retinal Vessel Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 312-323.	6.3	43

#	ARTICLE	IF	CITATIONS
272	Automatic Generation of Aerial Orthoimages Using Sentinel-2 Satellite Imagery with a Context-Based Deep Learning Approach. Applied Sciences (Switzerland), 2021, 11, 1089.	2.5	4
273	Residual Multi-Attention Classification Network for A Forest Dominated Tropical Landscape Using High-Resolution Remote Sensing Imagery. ISPRS International Journal of Geo-Information, 2021, 10, 22.	2.9	6
274	Open-Pit Mine Road Extraction From High-Resolution Remote Sensing Images Using RATT-UNet. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
275	Attention U-Net for Road Extraction in Remote Sensing Images. Lecture Notes in Computer Science, 2021, , 153-164.	1.3	1
276	Structure and Illumination Constrained GAN for Medical Image Enhancement. IEEE Transactions on Medical Imaging, 2021, 40, 3955-3967.	8.9	60
277	Multimodal Urban Remote Sensing Image Registration Via Roadcross Triangular Feature. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4441-4451.	4.9	3
278	FuNet: A Novel Road Extraction Network with Fusion of Location Data and Remote Sensing Imagery. ISPRS International Journal of Geo-Information, 2021, 10, 39.	2.9	20
279	Modified PLVP with Optimised Deep Learning for Morphological based Road Extraction. International Journal of Image and Data Fusion, 0, , 1-25.	1.7	1
280	An Improved Data-Driven Topology Optimization Method Using Feature Pyramid Networks with Physical Constraints. CMES - Computer Modeling in Engineering and Sciences, 2021, 128, 823-848.	1.1	4
281	CCBANet: Cascading Context and Balancing Attention for Polyp Segmentation. Lecture Notes in Computer Science, 2021, , 633-643.	1.3	26
282	TransBTS: Multimodal Brain Tumor Segmentation Using Transformer. Lecture Notes in Computer Science, 2021, , 109-119.	1.3	265
283	Road Extraction Using a Dual Attention Dilated-LinkNet Based on Satellite Images and Floating Vehicle Trajectory Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 10428-10438.	4.9	11
284	Roads in the Southwestern Amazon, State of Acre, between 2007 and 2019. Land, 2021, 10, 106.	2.9	15
285	Forest roads extraction through a convolution neural network aided method. International Journal of Remote Sensing, 2021, 42, 2706-2721.	2.9	5
286	Automatic Building Extraction from High-Resolution Satellite Images Using Deep Learning Techniques. Algorithms for Intelligent Systems, 2021, , 773-783.	0.6	4
287	A Novel Method for Automated Supraglacial Lake Mapping in Antarctica Using Sentinel-1 SAR Imagery and Deep Learning. Remote Sensing, 2021, 13, 197.	4.0	34
288	Deep Feature-Review Transmit Network of Contour-Enhanced Road Extraction From Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	7
289	Learning Context-Based Nonlocal Entropy Modeling for Image Compression. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1132-1145.	11.3	9

#	Article	IF	Citations
290	Chicken Image Segmentation via Multi-Scale Attention-Based Deep Convolutional Neural Network. IEEE Access, 2021, 9, 61398-61407.	4.2	7
291	Patch-Based U-Net Model for Isotropic Quantitative Differential Phase Contrast Imaging. IEEE Transactions on Medical Imaging, 2021, 40, 3229-3237.	8.9	18
292	CleftNet: Augmented Deep Learning for Synaptic Cleft Detection from Brain Electron Microscopy. IEEE Transactions on Medical Imaging, 2021, 40, 1-1.	8.9	8
293	Road Extraction from Remote Sensing Images Using the Inner Convolution Integrated Encoder-Decoder Network and Directional Conditional Random Fields. Remote Sensing, 2021, 13, 465.	4.0	29
294	RoadCapsFPN: Capsule Feature Pyramid Network for Road Extraction From VHR Optical Remote Sensing Imagery. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11041-11051.	8.0	7
295	Dual-Path Morph-UNet for Road and Building Segmentation From Satellite Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
296	MIScnn: a framework for medical image segmentation with convolutional neural networks and deep learning. BMC Medical Imaging, 2021, 21, 12.	2.7	74
297	MRENet: Simultaneous Extraction of Road Surface and Road Centerline in Complex Urban Scenes from Very High-Resolution Images. Remote Sensing, 2021, 13, 239.	4.0	53
298	Plug-and-Play Image Restoration With Deep Denoiser Prior. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6360-6376.	13.9	289
299	DBRANet: Road Extraction by Dual-Branch Encoder and Regional Attention Decoder. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	9
300	Holistic Grid Fusion Based Stop Line Estimation. , 2021, , .		7
301	A Lumen Segmentation Method in Ureteroscopy Images based on a Deep Residual U-Net architecture. , 2021, , .		3
302	NL-LinkNet: Toward Lighter But More Accurate Road Extraction With Nonlocal Operations. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	25
303	SAT-Net: a side attention network for retinal image segmentation. Applied Intelligence, 2021, 51, 5146-5156.	5.3	24
304	Multimodal Magnetic Resonance Image Brain Tumor Segmentation Based on ACU-Net Network. IEEE Access, 2021, 9, 14608-14618.	4.2	19
305	Deep Learning Architecture for Topological Optimized Mechanical Design Generation with Complex Shape Criterion. Lecture Notes in Computer Science, 2021, , 222-234.	1.3	4
306	ResD-Unet Research and Application for Pulmonary Artery Segmentation. IEEE Access, 2021, 9, 67504-67511.	4.2	9
307	Three-dimensional shape reconstruction of objects from a single depth view using deep U-Net convolutional neural network with bottle-neck skip connections. IET Computer Vision, 2021, 15, 24-35.	2.0	1

#	ARTICLE	IF	CITATIONS
308	A Parcel-Based Deep-Learning Classification to Map Local Climate Zones From Sentinel-2 Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4194-4204.	4.9	13
309	Pre-trained CNN Based Deep Features with Hand-Crafted Features and Patient Data for Skin Lesion Classification. Communications in Computer and Information Science, 2021, , 151-162.	0.5	3
310	Category-Aware Aircraft Landmark Detection. IEEE Signal Processing Letters, 2021, 28, 61-65.	3.6	4
311	RCNet: road classification convolutional neural networks for intelligent vehicle system. Intelligent Service Robotics, 2021, 14, 199-214.	2.6	60
312	Advanced Fully Convolutional Networks for Agricultural Field Boundary Detection. Remote Sensing, 2021, 13, 722.	4.0	22
313	MSU-Net: Multi-Scale U-Net for 2D Medical Image Segmentation. Frontiers in Genetics, 2021, 12, 639930.	2.3	54
314	A-DenseUNet: Adaptive Densely Connected UNet for Polyp Segmentation in Colonoscopy Images with Atrous Convolution. Sensors, 2021, 21, 1441.	3.8	40
315	Deep learning–based T1–enhanced selection of linear attenuation coefficients (DL–TESLA) for PET/MR attenuation correction in dementia neuroimaging. Magnetic Resonance in Medicine, 2021, 86, 499-513.	3.0	11
316	Multi-U-Net: Residual Module under Multisensory Field and Attention Mechanism Based Optimized U-Net for VHR Image Semantic Segmentation. Sensors, 2021, 21, 1794.	3.8	6
317	Road Centerline Extraction From VHR Images Using SVM and Multi-Scale Maximum Response Filter. Journal of the Indian Society of Remote Sensing, 2021, 49, 1519-1532.	2.4	3
318	Machine-Learning-Assisted Segmentation of Focused Ion Beam-Scanning Electron Microscopy Images with Artifacts for Improved Void-Space Characterization of Tight Reservoir Rocks. SPE Journal, 2021, 26, 1739-1758.	3.1	11
319	WeGleNet: A weakly-supervised convolutional neural network for the semantic segmentation of Gleason grades in prostate histology images. Computerized Medical Imaging and Graphics, 2021, 88, 101846.	5.8	32
320	An improved framework for polyp image segmentation based on <scp>SegNet</scp> architecture. International Journal of Imaging Systems and Technology, 2021, 31, 1741-1751.	4.1	12
321	The 2011 Tohoku Tsunami from the Sky: A Review on the Evolution of Artificial Intelligence Methods for Damage Assessment. Geosciences (Switzerland), 2021, 11, 133.	2.2	3
322	Road Segmentation in Aerial Imagery by Deep Neural Networks with 4-Channel Inputs. , 2021, , .		0
323	ROSE: A Retinal OCT-Angiography Vessel Segmentation Dataset and New Model. IEEE Transactions on Medical Imaging, 2021, 40, 928-939.	8.9	137
324	Intervertebral Discs Localization and Segmentation Based on Broad Learning System and IPU-Net. , 2021, , .		0
325	Simultaneous Extraction of Road and Centerline from Aerial Images Using a Deep Convolutional Neural Network. ISPRS International Journal of Geo-Information, 2021, 10, 147.	2.9	6

#	Article	IF	Citations
326	CoordConv-Unet: Investigating CoordConv for Organ Segmentation. Irbm, 2021, 42, 415-423.	5.6	8
327	M2H-Net: A Reconstruction Method For Hyperspectral Remotely Sensed Imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 173, 323-348.	11.1	23
328	C-UNet: Complement UNet for Remote Sensing Road Extraction. Sensors, 2021, 21, 2153.	3.8	44
329	Knowledge Transfer across Diseases. , 2021, , .		0
330	Automatic Road Extraction from Remote Sensing Images Based on Rectangle Marked Point Process. Canadian Journal of Remote Sensing, 2021, 47, 48-64.	2.4	1
331	Seeing the Vibration: Visual-Based Detection of Low Frequency Vibration Environment Pollution. IEEE Sensors Journal, 2021, 21, 10073-10081.	4.7	6
332	Application and Evaluation of a Deep Learning Architecture to Urban Tree Canopy Mapping. Remote Sensing, 2021, 13, 1749.	4.0	6
333	Uni-Temporal Multispectral Imagery for Burned Area Mapping with Deep Learning. Remote Sensing, 2021, 13, 1509.	4.0	32
334	A Model-Driven-to-Sample-Driven Method for Rural Road Extraction. Remote Sensing, 2021, 13, 1417.	4.0	9
335	Semantic segmentation sample augmentation based on simulated scene generation—case study on dock extraction from high spatial resolution imagery. International Journal of Remote Sensing, 2021, 42, 4961-4984.	2.9	3
336	A review and comparison of breast tumor cell nuclei segmentation performances using deep convolutional neural networks. Scientific Reports, 2021, 11, 8025.	3.3	44
337	Deep residual U-net convolution neural networks with autoregressive strategy for fluid flow predictions in large-scale geosystems. Advances in Water Resources, 2021, 150, 103878.	3.8	32
338	CloudU-Netv2: A Cloud Segmentation Method for Ground-Based Cloud Images Based on Deep Learning. Neural Processing Letters, 2021, 53, 2715-2728.	3.2	7
339	AUTOMATIC IDENTIFICATION OF MINERALS IN IMAGES OF POLISHED SECTIONS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLIV-2/W1-2021, 113-118.	0.2	2
340	SGPNet: A Three-Dimensional Multitask Residual Framework for Segmentation and IDH Genotype Prediction of Gliomas. Computational Intelligence and Neuroscience, 2021, 2021, 1-9.	1.7	4
341	Water Body Extraction from High-resolution Remote Sensing images Based on Scaling EfficientNets. Journal of Physics: Conference Series, 2021, 1894, 012100.	0.4	0
342	Pancreas segmentation using a dual-input v-mesh network. Medical Image Analysis, 2021, 69, 101958.	11.6	16
343	An Res-Unet Method for Pulmonary Artery Segmentation of CT Images. Journal of Physics: Conference Series, 2021, 1924, 012018.	0.4	9

#	Article	IF	Citations
344	Deep multi-feature learning architecture for water body segmentation from satellite images. Journal of Visual Communication and Image Representation, 2021, 77, 103141.	2.8	21
345	Pneumothorax Segmentation in Routine Computed Tomography Based on Deep Neural Networks. , 2021, , .		5
346	Road Extraction from High Resolution Remote Sensing Images Based on Vector Field Learning. Sensors, 2021, 21, 3152.	3.8	3
347	CS-CapsFPN: A Context-Augmentation and Self-Attention Capsule Feature Pyramid Network for Road Network Extraction from Remote Sensing Imagery. Canadian Journal of Remote Sensing, 2021, 47, 499-517.	2.4	2
348	Combined Improved Dirichlet Models and Deep Learning Models for Road Extraction from Remote Sensing Images. Canadian Journal of Remote Sensing, 2021, 47, 465-484.	2.4	4
349	Mapping Urban Green Spaces at the Metropolitan Level Using Very High Resolution Satellite Imagery and Deep Learning Techniques for Semantic Segmentation. Remote Sensing, 2021, 13, 2031.	4.0	15
350	Remote Sensing Road Extraction by Road Segmentation Network. Applied Sciences (Switzerland), 2021, 11, 5050.	2.5	5
351	Biomedical Image Segmentation: A Survey. SN Computer Science, 2021, 2, 1.	3.6	17
352	Road Extraction in SAR Images Using Ordinal Regression and Road-Topology Loss. Remote Sensing, 2021, 13, 2080.	4.0	4
353	Recognition and extraction of high-resolution satellite remote sensing image buildings based on deep learning. Neural Computing and Applications, 2022, 34, 2691-2706.	5.6	17
354	Forest road detection using deep learning models. Geocarto International, 2022, 37, 5875-5890.	3.5	3
355	Gated Auxiliary Edge Detection Task for Road Extraction With Weight-Balanced Loss. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 786-790.	3.1	15
356	Î¦-Net: Deep Residual Learning for InSAR Parameters Estimation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3917-3941.	6.3	33
357	Automated Explainable Multidimensional Deep Learning Platform of Retinal Images for Retinopathy of Prematurity Screening. JAMA Network Open, 2021, 4, e218758.	5.9	30
358	Road Extraction from UAV Images Using a Deep ResDCLnet Architecture. Canadian Journal of Remote Sensing, 2021, 47, 450-464.	2.4	5
359	GAMSNet: Globally aware road detection network with multi-scale residual learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 175, 340-352.	11.1	38
360	A Global Context-aware and Batch-independent Network for road extraction from VHR satellite imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 175, 353-365.	11.1	115
361	Cascaded Attention DenseUNet (CADUNet) for Road Extraction from Very-High-Resolution Images. ISPRS International Journal of Geo-Information, 2021, 10, 329.	2.9	39

#	ARTICLE	IF	CITATIONS
362	EAR-UNet: A deep learning-based approach for segmentation of tympanic membranes from otoscopic images. Artificial Intelligence in Medicine, 2021, 115, 102065.	6.5	32
363	Enhancing satellite semantic maps with ground-level imagery. Robotics and Autonomous Systems, 2021, 139, 103760.	5.1	23
364	Deep Learning optimization in remote sensing image segmentation using dilated convolutions and ShuffleNet. , 2021, , .		15
365	Road extraction from high resolution remote sensing image via a deep residual and pyramid pooling network. IET Image Processing, 2021, 15, 3080-3093.	2.5	2
366	Self-Attention in Reconstruction Bias U-Net for Semantic Segmentation of Building Rooftops in Optical Remote Sensing Images. Remote Sensing, 2021, 13, 2524.	4.0	52
367	Combining Remotely Sensed Imagery with Survival Models for Outage Risk Estimation of the Power Grid. , 2021, , .		1
368	Extensibility of U-Net Neural Network Model for Hydrographic Feature Extraction and Implications for Hydrologic Modeling. Remote Sensing, 2021, 13, 2368.	4.0	15
369	Early Upper Aerodigestive Tract Cancer Detection Using Electron Microscopy to Reveal Chromatin Packing Alterations in Buccal Mucosa Cells. Microscopy and Microanalysis, 2021, 27, 878-888.	0.4	2
370	Landslide Recognition by Deep Convolutional Neural Network and Change Detection. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4654-4672.	6.3	68
371	NanoNet: Real-Time Polyp Segmentation in Video Capsule Endoscopy and Colonoscopy. , 2021, , .		27
372	Deep Learningâ€Assisted Quantification of Atomic Dopants and Defects in 2D Materials. Advanced Science, 2021, 8, e2101099.	11.2	29
373	Automatic segmentation of TBM muck images via a deep-learning approach to estimate the size and shape of rock chips. Automation in Construction, 2021, 126, 103685.	9.8	27
374	Hyperspectral change detection based on modification of UNet neural networks. Journal of Applied Remote Sensing, 2021, 15, .	1.3	25
375	Photoacoustic microscopy with sparse data by convolutional neural networks. Photoacoustics, 2021, 22, 100242.	7.8	23
376	Spatial Pattern Analysis of the Ecosystem Services in the Guangdong-Hong Kong-Macao Greater Bay Area Using Sentinel-1 and Sentinel-2 Imagery Based on Deep Learning Method. Sustainability, 2021, 13, 7044.	3.2	5
377	Coastline extraction from ALOS-2 satellite SAR images. Remote Sensing Letters, 2021, 12, 879-889.	1.4	1
378	Adaptive Filtering Remote Sensing Image Segmentation Network based on Attention Mechanism. , 2021, , .		0
379	Semi-Supervised Segmentation of Multi-vendor and Multi-center Cardiac MRI. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
380	Liver tumor segmentation using 2.5D UV-Net with multi-scale convolution. Computers in Biology and Medicine, 2021, 133, 104424.	7.0	23
381	Automated detection and counting of Artemia using U-shaped fully convolutional networks and deep convolutional networks. Expert Systems With Applications, 2021, 171, 114562.	7.6	6
382	U-net gland cell image segmentation method combined with spatial attention. , 2021, , .		1
383	Inter-vendor performance of deep learning in segmenting acute ischemic lesions on diffusion-weighted imaging: a multicenter study. Scientific Reports, 2021, 11, 12434.	3.3	6
384	Digital mapping of structural conservation practices in the Midwest U.S. croplands: Implementation and preliminary analysis. Science of the Total Environment, 2021, 772, 145191.	8.0	6
385	A Comprehensive Study on Colorectal Polyp Segmentation With ResUNet++, Conditional Random Field and Test-Time Augmentation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2029-2040.	6.3	137
386	An improved U-Net method for the semantic segmentation of remote sensing images. Applied Intelligence, 2022, 52, 3276-3288.	5.3	22
387	Land Cover Extraction of Remote Sensing Images with Parallel Convolutional Network. , 2021, , .		1
388	Online size distribution measurement of dense iron green pellets using an efficient and multiscale nested U-net method. Powder Technology, 2021, 387, 584-600.	4.2	14
389	Robust Deep Neural Networks for Road Extraction From Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6182-6197.	6.3	13
391	Mix: A Potential Image Augmentation Method on Retinal Vessel Segmentation. , 2021, , .		0
392	Exploring Deep Learning Methods for Real-Time Surgical Instrument Segmentation in Laparoscopy. , 2021, , .		6
393	A Zero-Shot Method for 3D Medical Image Segmentation. , 2021, , .		4
394	H-Stegonet: A Hybrid Deep Learning Framework for Robust Steganalysis. , 2021, , .		3
395	Segmentation of dermoscopy images based on deformable 3D convolution and ResU-NeXt + +. Medical and Biological Engineering and Computing, 2021, 59, 1815-1832.	2.8	10
396	Deep Learning Segmentation of Triple-Negative Breast Cancer (TNBC) Patient Derived Tumor Xenograft (PDX) and Sensitivity of Radiomic Pipeline to Tumor Probability Boundary. Cancers, 2021, 13, 3795.	3.7	22
397	The measurement of Cobb angle based on spine X-ray images using multi-scale convolutional neural network. Physical and Engineering Sciences in Medicine, 2021, 44, 809-821.	2.4	17
398	Integrating General and Specific Priors into Deep Convolutional Neural Networks for Bladder Tumor Segmentation. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
399	Research on epileptic EEG recognition based on improved residual networks of 1-D CNN and indRNN. BMC Medical Informatics and Decision Making, 2021, 21, 100.	3.0	9
400	A comprehensive transferability evaluation of U-Net and ResU-Net for landslide detection from Sentinel-2 data (case study areas from Taiwan, China, and Japan). Scientific Reports, 2021, 11, 14629.	3.3	65
401	Automated psoriasis lesion segmentation from unconstrained environment using residual U-Net with transfer learning. Computer Methods and Programs in Biomedicine, 2021, 206, 106123.	4.7	10
402	Terraces mapping by using deep learning approach from remote sensing images and digital elevation models. Transactions in GIS, 2021, 25, 2438-2454.	2.3	10
403	Semi 3D-TENet: Semi 3D network based on temporal information extraction for coronary artery segmentation from angiography video. Biomedical Signal Processing and Control, 2021, 69, 102894.	5.7	7
404	Reconstructing patchy reionization with deep learning. Physical Review D, 2021, 104, .	4.7	11
405	Multiscale and Multitemporal Road Detection from High Resolution SAR Images Using Attention Mechanism. Remote Sensing, 2021, 13, 3149.	4.0	3
406	Bibliometric and visualized analysis of deep learning in remote sensing. International Journal of Remote Sensing, 2022, 43, 5534-5571.	2.9	9
407	RP-Unet: a Unet-based network with RNNPool enables computation-efficient polyp segmentation. , 2021, , .		0
408	DFENet: A Novel Dimension Fusion Edge Guided Network for Brain MRI Segmentation. SN Computer Science, 2021, 2, 1.	3.6	8
409	RoadVecNet: a new approach for simultaneous road network segmentation and vectorization from aerial and google earth imagery in a complex urban set-up. GIScience and Remote Sensing, 2021, 58, 1151-1174.	5.9	35
410	CT-UNet: Context-Transfer-UNet for Building Segmentation in Remote Sensing Images. Neural Processing Letters, 2021, 53, 4257-4277.	3.2	16
411	Side-scan sonar images segmentation for AUV with recurrent residual convolutional neural network module and self-guidance module. Applied Ocean Research, 2021, 113, 102608.	4.1	20
412	A Deep Learning Approach to an Enhanced Building Footprint and Road Detection in High-Resolution Satellite Imagery. Remote Sensing, 2021, 13, 3135.	4.0	16
413	Adaboost-like End-to-End multiple lightweight U-nets for road extraction from optical remote sensing images. International Journal of Applied Earth Observation and Geoinformation, 2021, 100, 102341.	2.8	23
414	LRâ€Roadnet: A longâ€range contextâ€aware neural network for road extraction via highâ€resolution remote sensing images. IET Image Processing, 2021, 15, 3239-3253.	2.5	2
415	Deep learning for processing and analysis of remote sensing big data: a technical review. Big Earth Data, 2022, 6, 527-560.	4.4	25
416	Urban road mapping based on an end-to-end road vectorization mapping network framework. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 178, 345-365.	11.1	25

#	Article	IF	Citations
417	Generating 3D digital material twins for woven ceramicâ€matrix composites from Î¼CT images. Journal of the American Ceramic Society, 2022, 105, 481-497.	3.8	8
418	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
419	Multi-Object Segmentation in Complex Urban Scenes from High-Resolution Remote Sensing Data. Remote Sensing, 2021, 13, 3710.	4.0	31
420	Attention Toward Neighbors: A Context Aware Framework For High Resolution Image Segmentation. , 2021, , .		1
421	RSNet: Rail semantic segmentation network for extracting aerial railroad images. Journal of Intelligent and Fuzzy Systems, 2021, 41, 4051-4068.	1.4	3
422	Landmark Detection in Cardiac MRI by Using a Convolutional Neural Network. Radiology: Artificial Intelligence, 2021, 3, e200197.	5.8	24
423	Detecting Pipeline Pathways in Landsat 5 Satellite Images with Deep Learning. Energies, 2021, 14, 5642.	3.1	2
424	Semi-supervised semantic segmentation of prostate and organs-at-risk on 3D pelvic CT images. Biomedical Physics and Engineering Express, 2021, 7, 065023.	1.2	5
425	Scale Buildup Detection and Characterization in Production Wells by Deep Learning Methods. , 2021, , .		0
426	Image Segmentation in 3D Brachytherapy Using Convolutional LSTM. Journal of Medical and Biological Engineering, 0, , 1.	1.8	2
427	Multi-Class Strategies for Joint Building Footprint and Road Detection in Remote Sensing. Applied Sciences (Switzerland), 2021, 11, 8340.	2.5	3
428	A Deep Learning-Based Framework for Automated Extraction of Building Footprint Polygons from Very High-Resolution Aerial Imagery. Remote Sensing, 2021, 13, 3630.	4.0	19
429	Semantic segmentation of seagrass habitat from drone imagery based on deep learning: A comparative study. Ecological Informatics, 2021, 66, 101430.	5.2	19
430	GDCSeg-Net: general optic disc and cup segmentation network for multi-device fundus images. Biomedical Optics Express, 2021, 12, 6529.	2.9	12
431	Predicting Mechanical Ventilation and Mortality in COVID-19 Using Radiomics and Deep Learning on Chest Radiographs: A Multi-Institutional Study. Diagnostics, 2021, 11, 1812.	2.6	26
432	Extracting built-up land area of airports in China using Sentinel-2 imagery through deep learning. Geocarto International, 0, , 1-21.	3.5	3
433	Cross-domain road detection based on global-local adversarial learning framework from very high resolution satellite imagery. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 180, 296-312.	11.1	18
434	Study on strategy of CT image sequence segmentation for liver and tumor based on U-Net and Bi-ConvLSTM. Expert Systems With Applications, 2021, 180, 115008.	7.6	15

#	Article	IF	Citations
435	EffCDNet: Transfer learning with deep attention network for change detection in high spatial resolution satellite images. , 2021, 118, 103250.		9
436	Remote sensing of brine shrimp cysts in salt lakes. Remote Sensing of Environment, 2021, 266, 112695.	11.0	12
437	A deep neural network approach to QRS detection using autoencoders. Expert Systems With Applications, 2021, 184, 115528.	7.6	17
438	Dilated-ResUnet: A novel deep learning architecture for building extraction from medium resolution multi-spectral satellite imagery. Expert Systems With Applications, 2021, 184, 115530.	7.6	29
439	Exploring multiple crowdsourced data to learn deep convolutional neural networks for road extraction. International Journal of Applied Earth Observation and Geoinformation, 2021, 104, 102544.	2.8	6
440	Leveraging optical and SAR data with a UU-Net for large-scale road extraction. International Journal of Applied Earth Observation and Geoinformation, 2021, 103, 102498.	2.8	4
441	Weakly Supervised Road Segmentation in High-Resolution Remote Sensing Images Using Point Annotations. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	12
442	A Method of Steel Bar Image Segmentation Based on Multi-Attention U-Net. IEEE Access, 2021, 9, 13304-13313.	4.2	5
443	Scribble-Based Weakly Supervised Deep Learning for Road Surface Extraction From Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	32
444	Sea Ice Concentration Estimation: Using Passive Microwave and SAR Data With a U-Net and Curriculum Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5339-5351.	4.9	18
445	Shallow Attention Network for Polyp Segmentation. Lecture Notes in Computer Science, 2021, , 699-708.	1.3	71
446	DAU-Net: a novel water areas segmentation structure for remote sensing image. International Journal of Remote Sensing, 2021, 42, 2594-2621.	2.9	49
447	CEID: Benchmark Dataset for Designing Segmentation Algorithms of Instruments Used in Colorectal Endoscopy. Lecture Notes in Computer Science, 2021, , 618-629.	1.3	0
448	Deep Learning-Based Phenotypic Assessment of Red Cell Storage Lesions for Safe Transfusions. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 1318-1328.	6.3	6
449	Segmenting Kidney on Multiple Phase CT Images using ULBNet. , 2021, , .		1
450	Seismic Random Noise Attenuation by Applying Multiscale Denoising Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	20
451	W-Net: A Deep Network for Simultaneous Identification of Gulf Stream and Rings From Concurrent Satellite Images of Sea Surface Temperature and Height. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	4
452	Cross-Tissue/Organ Transfer Learning for the Segmentation of Ultrasound Images Using Deep Residual U-Net. Journal of Medical and Biological Engineering, 2021, 41, 137-145.	1.8	6

#	Article	IF	Citations
453	Residual U-Network for Breast Tumor Segmentation from Magnetic Resonance Images. Computers, Materials and Continua, 2021, 67, 3107-3127.	1.9	9
454	Richer U-Net: Learning More Details for Road Detection in Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	10
455	A Generalized Approach for Automatic 3-D Geometry Assessment of Blood Vessels in Transverse Ultrasound Images Using Convolutional Neural Networks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 3326-3335.	3.0	9
456	A Guided Deep Learning Approach for Joint Road Extraction and Intersection Detection From RS Images and Taxi Trajectories. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8008-8018.	4.9	13
457	Semantic Segmentation of High Resolution Remote Sensing Images Based on Improved ResU-Net. Communications in Computer and Information Science, 2021, , 303-313.	0.5	3
458	INet: Convolutional Networks for Biomedical Image Segmentation. IEEE Access, 2021, 9, 16591-16603.	4.2	221
459	Reconstruction Bias U-Net for Road Extraction From Optical Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 2284-2294.	4.9	60
460	DA-RoadNet: A Dual-Attention Network for Road Extraction From High Resolution Satellite Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 6302-6315.	4.9	48
461	Image Segmentation Using Deep Learning: A Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	13.9	1,071
462	Semantic Segmentation of High-Resolution Aerial Imagery with W-Net Models. Lecture Notes in Computer Science, 2019, , 486-498.	1.3	1
463	Infrared Image Segmentation for Photovoltaic Panels Based on Res-UNet. Lecture Notes in Computer Science, 2019, , 611-622.	1.3	19
464	CS-Net: Channel and Spatial Attention Network for Curvilinear Structure Segmentation. Lecture Notes in Computer Science, 2019, , 721-730.	1.3	131
465	X-Net: Brain Stroke Lesion Segmentation Based on Depthwise Separable Convolution and Long-Range Dependencies. Lecture Notes in Computer Science, 2019, , 247-255.	1.3	69
466	Deep Learning for Pulmonary Image Analysis: Classification, Detection, and Segmentation. Advances in Experimental Medicine and Biology, 2020, 1213, 47-58.	1.6	13
467	Synthesising Images and Labels Between MR Sequence Types with CycleGAN. Lecture Notes in Computer Science, 2019, , 45-53.	1.3	5
468	Kvasir-SEG: A Segmented Polyp Dataset. Lecture Notes in Computer Science, 2020, , 451-462.	1.3	397
469	PraNet: Parallel Reverse Attention Network for Polyp Segmentation. Lecture Notes in Computer Science, 2020, , 263-273.	1.3	404
470	An End to End System for Measuring Axon Growth. Lecture Notes in Computer Science, 2020, , 455-464.	1.3	2

#	ARTICLE	IF	CITATIONS
471	Human Target Detection and Localization with Radars Using Deep Learning. Advances in Intelligent Systems and Computing, 2021, , 173-197.	0.6	5
472	Global context based automatic road segmentation via dilated convolutional neural network. Information Sciences, 2020, 535, 156-171.	6.9	119
473	Classâ€aware single image to 3D object translational autoencoder. IET Image Processing, 2020, 14, 3046-3053.	2.5	1
474	A global method to identify trees outside of closed-canopy forests with medium-resolution satellite imagery. International Journal of Remote Sensing, 2021, 42, 1713-1737.	2.9	12
477	Deep Learning-Based Defect Detection System in Steel Sheet Surfaces. , 2020, , .		22
478	A Feature Difference Convolutional Neural Network-Based Change Detection Method. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 7232-7246.	6.3	160
479	Looking Closer at the Scene: Multiscale Representation Learning for Remote Sensing Image Scene Classification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1414-1428.	11.3	86
480	Recurrent residual U-Net for medical image segmentation. Journal of Medical Imaging, 2019, 6, 1.	1.5	449
481	Fully automated extraction of the fringe skeletons in dynamic electronic speckle pattern interferometry using a U-Net convolutional neural network. Optical Engineering, 2019, 58, 1.	1.0	8
482	Deep learning algorithms to segment and quantify the choroidal thickness and vasculature in swept-source optical coherence tomography images. Journal of Innovative Optical Health Sciences, 2021, 14, .	1.0	20
483	Deep Learning for Enrichment of Vector Spatial Databases. ACM Transactions on Spatial Algorithms and Systems, 2020, 6, 1-21.	1.4	17
484	Toward Large-Scale Image Segmentation on Summit. , 2020, , .		4
485	Common-azimuth seismic data fault analysis using residual UNet. Interpretation, 2020, 8, SM25-SM37.	1.1	43
486	Deep learning assisted Shackâ€"Hartmann wavefront sensor for direct wavefront detection. Optics Letters, 2020, 45, 3741.	3.3	33
487	Deep Learning: A Breakthrough in Medical Imaging. Current Medical Imaging, 2020, 16, 946-956.	0.8	26
488	An Automatic Glioma Segmentation System Using a Multilevel Attention Pyramid Scene Parsing Network. Current Medical Imaging, 2021, 17, 751-761.	0.8	13
489	Human Face Sketch to RGB Image with Edge Optimization and Generative Adversarial Networks. Intelligent Automation and Soft Computing, 2020, 26, 1391-1401.	2.1	17
490	A Deep Residual U-Type Network for Semantic Segmentation of Orchard Environments. Applied Sciences (Switzerland), 2021, 11, 322.	2.5	5

#	ARTICLE	IF	CITATIONS
491	Mass Estimation of Galaxy Clusters with Deep Learning. I. Sunyaev–Zel'dovich Effect. Astrophysical Journal, 2020, 900, 110.	4.5	16
492	Retinal blood vessel segmentation based on Densely Connected U-Net. Mathematical Biosciences and Engineering, 2020, 17, 3088-3108.	1.9	26
493	Text Separation From Document Images. Advances in Computer and Electrical Engineering Book Series, 2020, , 283-313.	0.3	2
494	Mosaic Images Segmentation using U-net. , 2020, , .		3
495	Improving Semantic Segmentation in Aerial Imagery via Graph Reasoning and Disentangled Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	9
496	A Multiple Encoders Network for Stroke Lesion Segmentation. Lecture Notes in Computer Science, 2021, , 524-535.	1.3	2
497	IDANet: Iterative D-LinkNets with Attention for Road Extraction from High-Resolution Satellite Imagery. Lecture Notes in Computer Science, 2021, , 140-152.	1.3	1
498	CoANet: Connectivity Attention Network for Road Extraction From Satellite Imagery. IEEE Transactions on Image Processing, 2021, 30, 8540-8552.	9.8	52
499	Sub-Pixel Width Road Network Extraction Using Sentinel-2 Imagery. , 2021, , .		1
500	Joint Superpixel Segmentation and Graph Convolutional Network Road Extration for High-Resolution Remote Sensing Imagery. , 2021, , .		4
501	CLC+ Backbone: Set the Scene in Copernicus for the Coming Decade. , 2021, , .		4
502	Dynamic Inductive Transfer Learning with Decision Support Feedback to Optimize Retina Analysis. , 2021, , .		3
503	Exploiting Pre-trained Encoder with Receptive Fields and Squeeze-Excitation module for Road Segmentation. , 2021, , .		0
504	A Stacking Ensemble Deep Learning Model for Building Extraction from Remote Sensing Images. Remote Sensing, 2021, 13, 3898.	4.0	19
505	Comparative Analysis of AlexNet, ResNet18 and SqueezeNet with Diverse Modification and Arduous Implementation. Arabian Journal for Science and Engineering, 2022, 47, 2397-2417.	3.0	28
506	Dual Crisscross Attention Module for Road Extraction from Remote Sensing Images. Sensors, 2021, 21, 6873.	3.8	1
507	Effects of Label Noise on Performance of Remote Sensing and Deep Learning-Based Water Body Segmentation Models. Cybernetics and Systems, 2022, 53, 581-606.	2.5	7
508	Skin Lesion Classification Based on Surface Fractal Dimensions and Statistical Color Cluster Features Using an Ensemble of Machine Learning Techniques. Cancers, 2021, 13, 5256.	3.7	21

#	Article	IF	Citations
509	Evolutionary NAS for aerial image segmentation with gene expression programming of cellular encoding. Neural Computing and Applications, 2022, 34, 14185-14204.	5.6	6
510	Evaluation of Riparian Tree Cover and Shading in the Chauga River Watershed Using LiDAR and Deep Learning Land Cover Classification. Remote Sensing, 2021, 13, 4172.	4.0	7
511	Depth Data Denoising in Optical Laser Based Sensors for Metal Sheet Flatness Measurement: A Deep Learning Approach. Sensors, 2021, 21, 7024.	3.8	2
513	Review on Active and Passive Remote Sensing Techniques for Road Extraction. Remote Sensing, 2021, 13, 4235.	4.0	18
514	High-Resolution Boundary Refined Convolutional Neural Network for Automatic Agricultural Greenhouses Extraction from GaoFen-2 Satellite Imageries. Remote Sensing, 2021, 13, 4237.	4.0	18
515	On the effect of manual rework in AFP quality control for a doubly-curved part. Composites Part B: Engineering, 2021, 227, 109432.	12.0	8
516	Evaluation of Transfer Learning Techniques with Convolutional Neural Networks (CNNs) to Detect the Existence of Roads in High-Resolution Aerial Imagery. Communications in Computer and Information Science, 2019, , 185-198.	0.5	1
517	Delineation of Road Networks Using Deep Residual Neural Networks and Iterative Hough Transform. Lecture Notes in Computer Science, 2019, , 32-44.	1.3	0
518	Automatic Road Extraction from Semi Urban Remote Sensing Images. Communications in Computer and Information Science, 2019, , 172-182.	0.5	0
519	A Novel Framework for Building Extraction with Dual-path Convolution Network. , 2019, , .		0
520	APPLICABILITY OF NEURAL NETWORKS FOR IMAGE CLASSIFICATION ON OBJECT DETECTION IN MOBILE MAPPING 3D POINT CLOUDS. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W15, 111-115.	0.2	4
521	Accurate Semantic Segmentation in Remote Sensing Image. , 2019, , .		0
522	Haralick Feature Guided Network for the Improvement of Generalization in Landcover Classification. Communications in Computer and Information Science, 2020, , 52-64.	0.5	0
523	An Improved Method on U-net Near Coastal Areas. Journal of Coastal Research, 2020, 99, 48.	0.3	0
524	AUTOMATIC EXTRACTION OF ROAD CENTERLINES AND EDGE LINES FROM AERIAL IMAGES VIA CNN-BASED REGRESSION. ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, 0, V-2-2020, 925-932.	0.0	1
525	Self-Paced Learning for Automatic Prostate Segmentation on MR Images with Hierarchical Boundary Sensitive Network. , 2020, , .		0
526	A New Method of Surface Defect Semantic Segmentation of Steel Ball Based on Pre-Trained U-Net Model. , 2021, , .		0
527	A global inventory of photovoltaic solar energy generating units. Nature, 2021, 598, 604-610.	27.8	146

#	Article	IF	Citations
528	Fast Camouflaged Object Detection via Edge-based Reversible Re-calibration Network. Pattern Recognition, 2022, 123, 108414.	8.1	55
529	Font Generation Method based on U-net. , 2020, , .		0
530	Automated Semantic Segmentation of Cardiac Magnetic Resonance Images with Deep Learning. , 2020, , .		0
531	Stack performance improvement of stacked U-Net. , 2020, , .		0
532	An artificial neural network for analysis of ionograms obtained by ionosonde at the Ukrainian Antarctic Akademik Vernadsky station. Ukrainian Antarctic Journal, 2020, , 59-67.	0.7	1
533	Rectum Segmentation in Brachytherapy Dataset Using Recurrent Network. , 2020, , .		0
534	Local Adaptive U-net for Medical Image Segmentation. , 2020, , .		11
535	Improved U-net for Zebra-crossing Image Segmentation. , 2020, , .		2
536	An Island Remote Sensing Image Segmentation Algorithm Based on A Fusion Network with Attention Mechanism. Journal of Physics: Conference Series, 2020, 1693, 012179.	0.4	1
537	Building Footprint Extraction from Aerial Images using Multiresolution Analysis Based Transfer Learning. , 2020, , .		1
538	Architecture for accurate polyp segmentation in motion-blurred colonoscopy images. , 2020, , .		1
539	Multispectral Semantic Land Cover Segmentation From Aerial Imagery With Deep Encoderâ€"Decoder Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
540	An End-to-End Feature-Complementing Method for Building Classification with Residual Network. Communications in Computer and Information Science, 2021, , 214-223.	0.5	0
541	Reconstruction of Sparsely Sampled Seismic Data via Residual U-Net. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	8
543	Construction of Quantitative Indexes for Cataract Surgery Evaluation Based on Deep Learning. Lecture Notes in Computer Science, 2020, , 195-205.	1.3	0
544	Sat2Graph: Road Graph Extraction Through Graph-Tensor Encoding. Lecture Notes in Computer Science, 2020, , 51-67.	1.3	32
545	Segmentation of Microscopic Image of Colorants Using U-Net Based Deep Convolutional Networks for Material Appearance Design. Lecture Notes in Computer Science, 2020, , 197-204.	1.3	2
547	ChoroidNET: A Dense Dilated U-Net Model for Choroid Layer and Vessel Segmentation in Optical Coherence Tomography Images. IEEE Access, 2021, 9, 150951-150965.	4.2	7

#	Article	IF	Citations
548	Optic Disc and Optic Cup Segmentation Using Polar Coordinate and Encoder-Decoder Architecture. Communications in Computer and Information Science, 2021, , 117-126.	0.5	1
549	HumanGPS: Geodesic PreServing Feature for Dense Human Correspondences. , 2021, , .		9
550	Deep Convolutional Dictionary Learning for Image Denoising. , 2021, , .		51
551	Deep Learning–Assisted Multiphoton Microscopy to Reduce Light Exposure and Expedite Imaging in Tissues With High and Low Light Sensitivity. Translational Vision Science and Technology, 2021, 10, 30.	2.2	8
552	Exploring RAU-net for semantic segmentation of Philippines satellite images in identification of building density. International Journal of Remote Sensing, 0, , 1-19.	2.9	1
553	A deep learning approach to identify and segment alpha-smooth muscle actin stress fiber positive cells. Scientific Reports, 2021, 11, 21855.	3.3	5
554	Res-CR-Net, a residual network with a novel architecture optimized for the semantic segmentation of microscopy images. Machine Learning: Science and Technology, 2020, 1, 045004.	5.0	3
555	Efficient Brain Hemorrhage Detection on 3D CT Scans with Deep Neural Network. Lecture Notes in Computer Science, 2021, , 81-96.	1.3	1
556	MPA-Net: Multi-scale Pyramid Attention network for Liver Tumor Segmentation. , 2021, , .		0
557	Open-source deep learning-based automatic segmentation of mouse Schlemm's canal in optical coherence tomography images. Experimental Eye Research, 2022, 214, 108844.	2.6	6
558	A Modular U-Net for Automated Segmentation of X-Ray Tomography Images in Composite Materials. Frontiers in Materials, 2021, 8, .	2.4	6
559	Automating cell counting in fluorescent microscopy through deep learning with c-ResUnet. Scientific Reports, 2021, 11, 22920.	3.3	23
560	MSST-Net: A Multi-Scale Adaptive Network for Building Extraction from Remote Sensing Images Based on Swin Transformer. Remote Sensing, 2021, 13, 4743.	4.0	28
562	Random Fourier Features-Based Deep Learning Improvement with Class Activation Interpretability for Nerve Structure Segmentation. Sensors, 2021, 21, 7741.	3.8	8
563	Novel Framework for 3D Road Extraction Based on Airborne LiDAR and High-Resolution Remote Sensing Imagery. Remote Sensing, 2021, 13, 4766.	4.0	8
564	Automated delineation of agricultural field boundaries from Sentinel-2 images using recurrent residual U-Net. International Journal of Applied Earth Observation and Geoinformation, 2021, 105, 102557.	2.8	17
565	FAT-Net: Feature adaptive transformers for automated skin lesion segmentation. Medical Image Analysis, 2022, 76, 102327.	11.6	181
566	Liver segmentation from computed tomography images using cascade deep learning. Computers in Biology and Medicine, 2022, 140, 105095.	7.0	24

#	Article	IF	Citations
567	Exploring Label Probability Sequence to Robustly Learn Deep Convolutional Neural Networks for Road Extraction With Noisy Datasets. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18.	6.3	2
569	A Survey on the Applications of Convolutional Neural Networks for Synthetic Aperture Radar: Recent Advances. IEEE Aerospace and Electronic Systems Magazine, 2022, 37, 18-42.	1.3	30
570	MSRF-Net: A Multi-Scale Residual Fusion Network for Biomedical Image Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2252-2263.	6.3	118
571	Split Depth-Wise Separable Graph-Convolution Network for Road Extraction in Complex Environments From High-Resolution Remote-Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	38
572	Self-Supervised SAR-Optical Data Fusion of Sentinel-1/-2 Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	23
573	A Lightweight Network for Building Extraction From Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	13
574	An unsupervised approach of colonic polyp segmentation using adaptive markov random fields. Pattern Recognition Letters, 2022, 154, 7-15.	4.2	9
575	SAA-Net: U-shaped network with Scale-Axis-Attention for liver tumor segmentation. Biomedical Signal Processing and Control, 2022, 73, 103460.	5.7	17
576	Scale-adaptive super-feature based MetricUNet for brain tumor segmentation. Biomedical Signal Processing and Control, 2022, 73, 103442.	5.7	19
577	IRUNet for medical image segmentation. Expert Systems With Applications, 2022, 191, 116399.	7.6	12
578	Optimization of VGG16 utilizing the Arithmetic Optimization Algorithm for early detection of Alzheimer's disease. Biomedical Signal Processing and Control, 2022, 74, 103455.	5.7	31
579	Center Pivot Classification with Deep Residual U-NET. , 2020, , .		0
580	Spatial Attention Network for Road Extraction. , 2020, , .		2
581	Automatic Extraction of Built-Up Areas for Cities in China from GF-3 Images Based on Improved Residual U-Net Network. , 2020, , .		1
582	Improvement of CNN-Based Road Extraction from Satellite Images via Morphological Image Processing. , 2020, , .		0
583	Hand-drawn Symbol Recognition of Surgical Flowsheet Graphs with Deep Image Segmentation. , 2020, , .		5
584	Evolutionary Attention Network for Medical Image Segmentation. , 2020, , .		2
585	Earthquake Damage Assessment Based on Deep Learning Method Using VHR Images. , 2020, 5, .		3

#	Article	IF	Citations
586	Precipitation Nowcasting Using Grid-based Data in South Korea Region. , 2020, , .		2
587	AG-ResUNet++: An Improved Encoder-Decoder Based Method for Polyp Segmentation in Colonoscopy Images. , 2021, , .		5
588	Pixel-level Road Pavement Defects Segmentation Based on Various Loss Functions. , 2021, , .		1
589	Detecting anomalies in temporal image sequences based on object identification by the stochastic gradient adaptation. , 2021, , .		5
590	Supervised Attention Mechanism for Road Segmentation. , 2021, , .		0
591	Skin lesion segmentation in dermoscopic images using CNN architecture. , 2021, , .		0
592	An Improved D-Linknet Method for Road Extraction from High Resolution Remote Sensing Images. , 2021, , .		1
593	Retinal Vessel Detection Using Residual Y-net. , 2021, , .		2
594	Semantic Segmentation of Multiple Sclerosis Lesion using Residual 3D U-Net. The Journal of Korean Institute of Information Technology, 2021, 19, 81-90.	0.3	3
595	Aerial Images Meet Crowdsourced Trajectories: A New Approach to Robust Road Extraction. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3308-3322.	11.3	6
597	Improved U-Net3+ with stage residual for brain tumor segmentation. BMC Medical Imaging, 2022, 22, 14.	2.7	6
598	Logging Trail Segmentation via a Novel U-Net Convolutional Neural Network and High-Density Laser Scanning Data. Remote Sensing, 2022, 14, 349.	4.0	5
599	Ä°nsan Embriyo Segmentasyonu iÃ§in U-Net TabanlÄ± Modellerin KarÅŸÄ±laÅŸtÄ±rÄ±lmasÄ±. BiliÅŸim Teknolojileri Dergisi, 2022, 15, 35-44.	0.6	4
600	Building extraction from remote sensing images using deep residual U-Net. European Journal of Remote Sensing, 2022, 55, 71-85.	3.5	37
601	A Shallow U-Net Architecture for Reliably Predicting Blood Pressure (BP) from Photoplethysmogram (PPG) and Electrocardiogram (ECG) Signals. Sensors, 2022, 22, 919.	3.8	30
602	Landslide detection using deep learning and object-based image analysis. Landslides, 2022, 19, 929-939.	5.4	66
603	Road Segmentation from High-Fidelity Remote Sensing Images using a Context Information Capture Network. Cognitive Computation, 2022, 14, 780-793.	5.2	6
604	BSIRNet: A Road Extraction Network with Bidirectional Spatial Information Reasoning. Journal of Sensors, 2022, 2022, 1-11.	1.1	2

#	Article	IF	Citations
605	B-FGC-Net: A Building Extraction Network from High Resolution Remote Sensing Imagery. Remote Sensing, 2022, 14, 269.	4.0	26
606	6+: A Novel Approach for Building Extraction from a Medium Resolution Multi-Spectral Satellite. Sustainability, 2022, 14, 1615.	3.2	4
607	Deep plug-and-play and deep unfolding methods for image restoration. , 2022, , 481-509.		0
608	Modified UNet Model for Brain Stroke Lesion Segmentation on Computed Tomography Images. Computers, Materials and Continua, 2022, 71, 4701-4717.	1.9	6
609	Discriminative Context-Aware Network for Target Extraction in Remote Sensing Imagery. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 700-715.	4.9	2
610	Reconstructing cosmic polarization rotation with ResUNet-CMB. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 030.	5.4	6
611	Crop classification for UAV visible imagery using deep semantic segmentation methods. Geocarto International, 2022, 37, 10033-10057.	3.5	2
612	Image Denoising of Seam Images With Deep Learning for Laser Vision Seam Tracking. IEEE Sensors Journal, 2022, 22, 6098-6107.	4.7	27
613	FD-LinkNet: A Encoder-decoder Structure Network for High Resolution Satellite Imagery Rural Road Extraction. Lecture Notes in Electrical Engineering, 2022, , 285-294.	0.4	2
614	Identifying, projecting, and evaluating informal urban expansion spatial patterns. Journal of Land Use Science, 2022, 17, 100-112.	2.2	4
615	SC-RoadDeepNet: A New Shape and Connectivity-Preserving Road Extraction Deep Learning-Based Network From Remote Sensing Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	23
616	Multi-Path U-Net Architecture for Cell and Colony-Forming Unit Image Segmentation. Sensors, 2022, 22, 990.	3.8	7
618	Monitoring ecosystem services in the Guangdong-Hong Kong-Macao Greater Bay Area based on multi-temporal deep learning. Science of the Total Environment, 2022, 822, 153662.	8.0	13
619	UNet-based model for crack detection integrating visual explanations. Construction and Building Materials, 2022, 322, 126265.	7.2	59
620	Automatic generation of land use maps using aerial orthoimages and building floor data with a Conv-Depth Block (CDB) ResU-Net architecture. International Journal of Applied Earth Observation and Geoinformation, 2022, 107, 102678.	2.8	2
621	Fully transformer network for skin lesion analysis. Medical Image Analysis, 2022, 77, 102357.	11.6	52
622	Eff-UNet++: A novel architecture for plant leaf segmentation and counting. Ecological Informatics, 2022, 68, 101583.	5.2	24
623	SwinE-Net: hybrid deep learning approach to novel polyp segmentation using convolutional neural network and Swin Transformer. Journal of Computational Design and Engineering, 2022, 9, 616-632.	3.1	28

#	ARTICLE	IF	CITATIONS
624	Automatic Target Detection from Satellite Imagery Using Machine Learning. Sensors, 2022, 22, 1147.	3.8	23
625	A Multi-Task Learning Framework for Automated Segmentation and Classification of Breast Tumors From Ultrasound Images. Ultrasonic Imaging, 2022, 44, 3-12.	2.6	19
626	A Residual Attention and Local Context-Aware Network for Road Extraction from High-Resolution Remote Sensing Imagery. Remote Sensing, 2021, 13, 4958.	4.0	8
627	Semantic Segmentation and Analysis on Sensitive Parameters of Forest Fire Smoke Using Smoke-Unet and Landsat-8 Imagery. Remote Sensing, 2022, 14, 45.	4.0	34
629	A Combination of Convolutional and Graph Neural Networks for Regularized Road Surface Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13.	6.3	5
631	Co-Net: A Collaborative Region-Contour-Driven Network for Fine-to-Finer Medical Image Segmentation. , 2022, , .		5
632	Multi-Task Learning and Multimodal Fusion for Road Segmentation. IEEE Access, 2023, 11, 18947-18959.	4.2	3
633	Amplitude SAR Imagery Splicing Localization. IEEE Access, 2022, 10, 33882-33899.	4.2	2
635	IRU-Net: An Efficient End-to-End Network for Automatic Building Extraction From Remote Sensing Images. IEEE Access, 2022, 10, 37811-37828.	4.2	7
636	GMCAD: an original Synthetic Dataset of 2D Designs along their Geometrical and Mechanical Conditions. Procedia Computer Science, 2022, 200, 337-347.	2.0	4
637	A Novel 3D Unsupervised Domain Adaptation Framework for Cross-Modality Medical Image Segmentation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 4976-4986.	6.3	16
638	Multi-Modality Reconstruction Attention and Difference Enhancement Network for Brain MRI Image Segmentation. IEEE Access, 2022, 10, 31058-31069.	4.2	6
639	AirCamRTM: Enhancing Vehicle Detection for Efficient Aerial Camera-based Road Traffic Monitoring. , 2022, , .		4
640	A Near Infrared Image of Forearm Subcutaneous Vein Extraction Using U-Net. Lecture Notes in Electrical Engineering, 2022, , 1093-1103.	0.4	1
641	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
642	Fine-grained remote sensing semantic segmentation method under multi-stage supervision learning. , 2022, , .		1
643	Performance analysis of rule-based classification and deep learning method for automatic road extraction. International Journal of Engineering and Geosciences, 2023, 8, 83-97.	3.2	8
644	COMMA: Propagating Complementary Multi-Level Aggregation Network for Polyp Segmentation. Applied Sciences (Switzerland), 2022, 12, 2114.	2.5	1

#	Article	IF	Citations
645	Curvâ€Net: Curvilinear structure segmentation network based on selective kernel and multiâ€Biâ€ConvLSTM. Medical Physics, 2022, 49, 3144-3158.	3.0	7
646	From road centrelines to carriagewaysâ€"A reconstruction algorithm. PLoS ONE, 2022, 17, e0262801.	2.5	1
647	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
648	The application of ResU-net and OBIA for landslide detection from multi-temporal Sentinel-2 images. Big Earth Data, 2023, 7, 961-985.	4.4	26
649	Automated segmentation of brain tumor based on improved U-Net with residual units. Multimedia Tools and Applications, 2022, 81, 12543-12566.	3.9	5
650	A Cloud-Based Mapping Approach Using Deep Learning and Very-High Spatial Resolution Earth Observation Data to Facilitate the SDG 11.7.1 Indicator Computation. Remote Sensing, 2022, 14, 1011.	4.0	3
651	African Immigrants Living in Spain: Awareness Toward Organ Donation and the Need for Specific Awareness Campaigns. Experimental and Clinical Transplantation, 2022, 20, 199-208.	0.5	7
652	Automatic kidney segmentation using 2.5D ResUNet and 2.5D DenseUNet for malignant potential analysis in complex renal cyst based on CT images. Eurasip Journal on Image and Video Processing, 2022, 2022, 5.	2.6	14
653	DAS-Net: A lung nodule segmentation method based on adaptive dual-branch attention and shadow mapping. Applied Intelligence, 2022, 52, 15617-15631.	5.3	8
654	Deep Learning and Domain-Specific Knowledge to Segment the Liver from Synthetic Dual Energy CT Iodine Scans. Diagnostics, 2022, 12, 672.	2.6	1
655	Brain tumor magnetic resonance image segmentation by a multiscale contextual attention module combined with a deep residual UNet (MCA-ResUNet). Physics in Medicine and Biology, 2022, 67, 095007.	3.0	5
656	DCS-TransUperNet: Road Segmentation Network Based on CSwin Transformer with Dual Resolution. Applied Sciences (Switzerland), 2022, 12, 3511.	2.5	23
657	Absolute phase retrieval of shiny objects using fringe projection and deep learning with computer-graphics-based images. Applied Optics, 2022, 61, 2750.	1.8	6
658	Satellite imagery analysis for road segmentation using U-Net architecture. Journal of Supercomputing, 2022, 78, 12710-12725.	3.6	5
659	Extraction of Road Centrelines and Edge Lines from High-Resolution Satellite Imagery using Density-Oriented Fuzzy C-Means and Mathematical Morphology. Journal of the Indian Society of Remote Sensing, 2022, 50, 1243-1255.	2.4	4
660	Melanoma segmentation using deep learning with test-time augmentations and conditional random fields. Scientific Reports, 2022, 12, 3948.	3.3	27
661	Cross-Attention and Deep Supervision UNet for Lesion Segmentation of Chronic Stroke. Frontiers in Neuroscience, 2022, 16, 836412.	2.8	6
662	AB-ResUNet+: Improving Multiple Cardiovascular Structure Segmentation from Computed Tomography Angiography Images. Applied Sciences (Switzerland), 2022, 12, 3024.	2.5	6

#	ARTICLE	IF	CITATIONS
663	Effective residual convolutional neural network for Chagas disease parasite segmentation. Medical and Biological Engineering and Computing, 2022, 60, 1099-1110.	2.8	5
664	Applying computer vision to digitised natural history collections for climate change research: Temperature–size responses in British butterflies. Methods in Ecology and Evolution, 2023, 14, 372-384.	5.2	10
665	ASS-GAN: Asymmetric semi-supervised GAN for breast ultrasound image segmentation. Neurocomputing, 2022, 493, 204-216.	5.9	23
666	Artificial Intelligence Approach for Estimating Dairy Methane Emissions. Environmental Science & Technology, 2022, 56, 4849-4858.	10.0	4
667	BDG-Net: boundary distribution guided network for accurate polyp segmentation. , 2022, , .		14
668	CaraNet: context axial reverse attention network for segmentation of small medical objects. , 2022, , .		44
669	Improved Road Detection Algorithm Based on Fusion of Deep Convolutional Neural Networks and Random Forest Classifier on VHR Remotely-Sensed Images. Journal of the Indian Society of Remote Sensing, 2022, 50, 1409-1421.	2.4	3
670	Water-Body Segmentation for SAR Images: Past, Current, and Future. Remote Sensing, 2022, 14, 1752.	4.0	26
671	Forest road extraction from orthophoto images by convolutional neural networks. Geocarto International, 2022, 37, 11671-11685.	3.5	4
672	Real-time guidewire tracking and segmentation in intraoperative x-ray. , 2022, , .		1
673	Application of deep neural network learning in composites design. European Journal of Materials, 2022, 2, 117-170.	2.6	12
674	LodgeNet: Improved rice lodging recognition using semantic segmentation of UAV high-resolution remote sensing images. Computers and Electronics in Agriculture, 2022, 196, 106873.	7.7	17
675	Automatic void content assessment of composite laminates using a machine-learning approach. Composite Structures, 2022, 288, 115383.	5.8	15
676	Super U-Net: A modularized generalizable architecture. Pattern Recognition, 2022, 128, 108669.	8.1	18
677	Analysing the Influence of Land Cover Type on the Performance of Large-scale Road Extraction. , 2021, , .		1
678	Human Brain Hippocampus Segmentation Based on Improved U-net Model. , 2021, , .		1
679	Collaborative and Adversarial Learning of Focused and Dispersive Representations for Semi-supervised Polyp Segmentation. , 2021, , .		19
680	Comparative Analysis of Traditional and Deep Learning Techniques for Industrial and Wildfire Smoke Segmentation. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
681	A Generative Deep Learning Approach for Forensic Facial Reconstruction. , 2021, , .		1
682	EMS-Net: Enhanced Multi-Scale Network for Polyp Segmentation. , 2021, 2021, 2936-2939.		5
683	Dual External Contextual Attention Network for Pseudomyxoma Peritonei Segmentation in CT Images. , 2021, , .		0
684	AF-Net: All-scale Feature Fusion Network for Road Extraction from Remote Sensing Images. , 2021, , .		1
686	SalGFCN: Graph Based Fully Convolutional Network for Panoramic Saliency Prediction. , 2021, , .		1
687	MIASNet: A medical image segmentation method predicting future based on past and current cases. , 2021, , .		2
688	A Quantitative Analysis in CTP images for Ischemic Stroke Lesion Segmentation. , 2021, , .		0
689	Neural view synthesis with appearance editing from unstructured images. , 2021, , .		0
690	Mass Estimation of Galaxy Clusters with Deep Learning II. Cosmic Microwave Background Cluster Lensing. Astrophysical Journal, 2021, 923, 96.	4.5	9
692	Detection of Windthrown Tree Stems on UAV-Orthomosaics Using U-Net Convolutional Networks. Remote Sensing, 2022, 14, 75.	4.0	9
693	DR-Unet: Rethinking the ResUnet++ Architecture with Dual ResPath skip connection for Nuclei segmentation. , 2021, , .		6
694	Efficient Occluded Road Extraction from High-Resolution Remote Sensing Imagery. Remote Sensing, 2021, 13, 4974.	4.0	9
695	Use of Deep Learning Techniques for Road Extraction using Remote Sensing Imagery. , 2021, , .		0
696	Automatic Pancreatic Cyst Lesion Segmentation on EUS Images Using a Deep-Learning Approach. Sensors, 2022, 22, 245.	3.8	11
697	Cascaded Residual Attention Enhanced Road Extraction from Remote Sensing Images. ISPRS International Journal of Geo-Information, 2022, 11, 9.	2.9	25
698	Red Tide Detection Method for HYâˆ1D Coastal Zone Imager Based on Uâˆ Net Convolutional Neural Network. Remote Sensing, 2022, 14, 88.	4.0	9
699	Comparative Study on Stroke Lesion Core Segmentation in CTP Images. , 2021, , .		0
700	Determining posterior vitreous structure by analysis of images obtained by AI-based 3D segmentation and ultrawidefield optical coherence tomography. British Journal of Ophthalmology, 2023, 107, 732-737.	3.9	7

#	ARTICLE	IF	CITATIONS
701	Deforestation Detection with Fully Convolutional Networks in the Amazon Forest from Landsat-8 and Sentinel-2 Images. Remote Sensing, 2021, 13, 5084.	4.0	24
702	Satellite Imagery Road Segmentation Using a Dual Network Approach with Enhancement Blocks. , 2021, , .		0
703	PAANet: Progressive Alternating Attention for Automatic Medical Image Segmentation. , 2021, , .		4
704	Aerial and Optical Images-Based Plant Species Segmentation Using Enhancing Nested Downsampling Features. Forests, 2021, 12, 1695.	2.1	0
706	Cascaded Multi-Task Road Extraction Network for Road Surface, Centerline, and Edge Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	18
707	Automated Crack Detection via Semantic Segmentation Approaches Using Advanced U-Net Architecture. Intelligent Automation and Soft Computing, 2022, 34, 593-607.	2.1	4
708	Deep Convolutional Neural Networks with Spatial Regularization, Volume and Star-Shape Priors for Image Segmentation. Journal of Mathematical Imaging and Vision, 2022, 64, 625-645.	1.3	7
709	EfficientUNet: Modified encoder–decoder architecture for the lung segmentation in chest x–ray images. Expert Systems, 0, , .	4.5	1
710	Field road segmentation network based on PraNet. Journal of Spatial Science, 2023, 68, 505-520.	1.5	0
711	MRA-free intracranial vessel localization on MR vessel wall images. Scientific Reports, 2022, 12, 6240.	3.3	0
712	MSPNet: Multi-Scale Strip Pooling Network for Road Extraction from Remote Sensing Images. Applied Sciences (Switzerland), 2022, 12, 4068.	2.5	2
713	Joint Dense Residual and Recurrent Attention Network for DCE-MRI Breast Tumor Segmentation. Computational Intelligence and Neuroscience, 2022, 2022, 1-16.	1.7	2
714	Brain Tumour Detection Through Modified UNet-Based Semantic Segmentation. International Journal of Biomedical and Clinical Engineering, 2022, 11, 1-17.	0.2	0
715	Deep Sparse Representation Based Image Restoration With Denoising Prior. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6530-6542.	8.3	9
716	DeepCNAP: A Deep Learning Approach for Continuous Noninvasive Arterial Blood Pressure Monitoring Using Photoplethysmography. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3697-3707.	6.3	9
717	Toward accurate polyp segmentation with cascade boundary-guided attention. Visual Computer, 0, , .	3.5	5
718	Deep Learning for Real-Time Aerodynamic Evaluations of Arbitrary Vehicle Shapes. , 0, 15, .		8
719	Anomaly Detection in EM Images - A Zero-Shot Learning Approach. , 2022, , .		0

#	Article	IF	Citations
720	Road Extraction Convolutional Neural Network with Embedded Attention Mechanism for Remote Sensing Imagery. Remote Sensing, 2022, 14, 2061.	4.0	11
721	Extraction and Calculation of Roadway Area from Satellite Images Using Improved Deep Learning Model and Post-Processing. Journal of Imaging, 2022, 8, 124.	3.0	5
722	A Multi-Attention UNet for Semantic Segmentation in Remote Sensing Images. Symmetry, 2022, 14, 906.	2.2	27
723	Computational Acceleration of Topology Optimization Using Parallel Computing and Machine Learning Methods â€" Analysis of Research Trends. Journal of Industrial Information Integration, 2022, 28, 100352.	6.4	4
724	EfficientUNet+: A Building Extraction Method for Emergency Shelters Based on Deep Learning. Remote Sensing, 2022, 14, 2207.	4.0	8
725	Research on Noise Suppression Technology of Marine Optical Fiber Towed Streamer Seismic Data Based on ResUNet. Energies, 2022, 15, 3362.	3.1	2
726	An efficient U-shaped network combined with edge attention module and context pyramid fusion for skin lesion segmentation. Medical and Biological Engineering and Computing, 2022, 60, 1987-2000.	2.8	8
727	RatUNet: residual U-Net based on attention mechanism for image denoising. PeerJ Computer Science, 0, 8, e970.	4.5	9
728	Automated Endocardial Border Detection and Left Ventricular Functional Assessment in Echocardiography Using Deep Learning. Biomedicines, 2022, 10, 1082.	3.2	8
729	Multi-scale attention integrated hierarchical networks for high-resolution building footprint extraction. International Journal of Applied Earth Observation and Geoinformation, 2022, 109, 102768.	1.9	6
730	Scale Buildup Detection and Characterization in Production Wells by Deep Learning Methods. SPE Production and Operations, 2022, 37, 616-631.	0.6	1
731	REU-Net: Region-enhanced nuclei segmentation network. Computers in Biology and Medicine, 2022, 146, 105546.	7.0	10
732	Progressive Multiscale Consistent Network for Multiclass Fundus Lesion Segmentation. IEEE Transactions on Medical Imaging, 2022, 41, 3146-3157.	8.9	10
733	Towards Robotic Knee Arthroscopy: Spatial and Spectral Learning Model for Surgical Scene Segmentation. Algorithms for Intelligent Systems, 2022, , 269-281.	0.6	8
734	RoadSeg-CD: A Network With Connectivity Array and Direction Map for Road Extraction From SAR Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3992-4003.	4.9	2
735	Contextual-Aware Land Cover Classification With U-Shaped Object Graph Neural Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	2
736	Generation of Istanbul road data set using Google Map API for deep learning-based segmentation. International Journal of Remote Sensing, 2022, 43, 2793-2812.	2.9	5
737	Deep learning-based multi-label tissue segmentation and density assessment from mammograms. Irbm, 2022, , .	5.6	3

#	Article	IF	Citations
738	Urban building extraction from high-resolution remote sensing imagery based on multi-scale recurrent conditional generative adversarial network. GIScience and Remote Sensing, 2022, 59, 861-884.	5.9	12
739	Intraretinal Layer Segmentation Using Cascaded Compressed U-Nets. Journal of Imaging, 2022, 8, 139.	3.0	7
740	GapLoss: A Loss Function for Semantic Segmentation of Roads in Remote Sensing Images. Remote Sensing, 2022, 14, 2422.	4.0	4
741	FGAM: A pluggable light-weight attention module for medical image segmentation. Computers in Biology and Medicine, 2022, 146, 105628.	7.0	4
742	Eevou-Net: An Ensemble of Evolutionary Deep Fully Convolutional Neural Networks for Medical Image Segmentation. SSRN Electronic Journal, 0, , .	0.4	0
743	Lightweight Remote Sensing Road Detection Network. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	12
744	Learning global dependencies based on hierarchical full connection for brain tumor segmentation. Computer Methods and Programs in Biomedicine, 2022, 221, 106925.	4.7	4
745	A Comprehensive Survey for Deep-Learning-Based Abnormality Detection in Smart Grids with Multimodal Image Data. Applied Sciences (Switzerland), 2022, 12, 5336.	2.5	4
746	Diabetic foot thermal image segmentation using Double Encoder-ResUnet (DE-ResUnet). Journal of Medical Engineering and Technology, 2022, 46, 378-392.	1.4	7
747	A deep learning segmentation-classification pipeline for X-ray-based COVID-19 diagnosis. Biomedical Engineering Advances, 2022, 3, 100041.	3.8	16
748	Videomics of the Upper Aero-Digestive Tract Cancer: Deep Learning Applied to White Light and Narrow Band Imaging for Automatic Segmentation of Endoscopic Images. Frontiers in Oncology, 0, 12, .	2.8	17
749	Mapping Onshore CH4 Seeps in Western Siberian Floodplains Using Convolutional Neural Network. Remote Sensing, 2022, 14, 2661.	4.0	1
750	DPPNet: An Efficient and Robust Deep Learning Network for Land Cover Segmentation From High-Resolution Satellite Images. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 128-139.	4.9	4
751	Deep Learning for Additive Manufacturing-driven Topology Optimization. Procedia CIRP, 2022, 109, 49-54.	1.9	1
752	MRSE-Net: Multiscale Residuals and SE-Attention Network for Water Body Segmentation From Satellite Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5049-5064.	4.9	14
753	Minimizing the Number of Views in Few-View Computed Tomography: a Deep Learning Approach. , 2022, , .		1
754	Deepâ€learning synthesized pseudoâ€<scp>CT</scp> for <scp>MR</scp> highâ€resolution pediatric cranial bone imaging (<scp>MRâ€HiPCB</scp>). Magnetic Resonance in Medicine, 2022, 88, 2285-2297.	3.0	7
755	An Improved U-Net Image Segmentation Method and Its Application for Metallic Grain Size Statistics. Materials, 2022, 15, 4417.	2.9	15

#	Article	IF	Citations
756	Extraction of Floating Raft Aquaculture Areas from Sentinel-1 SAR Images by a Dense Residual U-Net Model with Pre-Trained Resnet34 as the Encoder. Remote Sensing, 2022, 14, 3003.	4.0	8
757	PRAPNet: A Parallel Residual Atrous Pyramid Network for Polyp Segmentation. Sensors, 2022, 22, 4658.	3.8	0
758	A Low-Grade Road Extraction Method Using SDG-DenseNet Based on the Fusion of Optical and SAR Images at Decision Level. Remote Sensing, 2022, 14, 2870.	4.0	6
759	U-Net-Based Segmentation of Microscopic Images of Colorants and Simplification of Labeling in the Learning Process. Journal of Imaging, 2022, 8, 177.	3.0	3
760	Hemorrhage semantic segmentation in fundus images for the diagnosis of diabetic retinopathy by using a convolutional neural network. Journal of Big Data, 2022, 9, .	11.0	29
761	SwinBTS: A Method for 3D Multimodal Brain Tumor Segmentation Using Swin Transformer. Brain Sciences, 2022, 12, 797.	2.3	58
762	FSOU-Net: Feature supplement and optimization U-Net for 2D medical image segmentation. Technology and Health Care, 2023, 31, 181-195.	1.2	2
763	Imaging gravity-induced lung water redistribution with automated inline processing at 0.55 T cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2022, 24, .	3.3	4
764	Vegetation Extraction from UAV-based Aerial Images through Deep Learning. Computers and Electronics in Agriculture, 2022, 198, 107094.	7.7	11
765	MallesNet: A multi-object assistance based network for brachial plexus segmentation in ultrasound images. Medical Image Analysis, 2022, 80, 102511.	11.6	12
766	Mask R-CNN based automated identification and extraction of oil well sites. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102875.	1.9	9
767	Road extraction in remote sensing data: A survey. International Journal of Applied Earth Observation and Geoinformation, 2022, 112, 102833.	1.9	28
768	Energy-Based Legged Robots Terrain Traversability Modeling via Deep Inverse Reinforcement Learning. IEEE Robotics and Automation Letters, 2022, 7, 8807-8814.	5.1	15
769	Deep Learning Based Classification of Military Cartridge Cases and Defect Segmentation. IEEE Access, 2022, 10, 74961-74976.	4.2	7
770	A Parallel Residual Convolutional Neural Network with Spatial Attention Module for Smoke Segmentation in Normal and Challenging Environmental Conditions. SSRN Electronic Journal, 0, , .	0.4	0
771	UGRoadUpd: An Unchanged-Guided Historical Road Database Updating Framework Based on Bi-Temporal Remote Sensing Images. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21465-21477.	8.0	2
772	FMWDCT: Foreground Mixup Into Weighted Dual-Network Cross Training for Semisupervised Remote Sensing Road Extraction. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 5570-5579.	4.9	7
773	An Ensemble Approach to Automatic Brain Tumor Segmentation. Lecture Notes in Computer Science, 2022, , 138-148.	1.3	2

#	Article	IF	Citations
774	Few-Shot Keypoint Detection as Task Adaptation via Latent Embeddings. , 2022, , .		0
775	<scp>SKMAT‑U‑Net</scp> architecture for breast mass segmentation. International Journal of Imaging Systems and Technology, 2022, 32, 1880-1888.	4.1	4
776	FECC-Net: A Novel Feature Enhancement and Context Capture Network Based on Brain MRI Images for Lesion Segmentation. Brain Sciences, 2022, 12, 765.	2.3	2
777	A Deep Learning Approach for Automatic Scoliosis Cobb Angle Identification. , 2022, , .		28
778	Mesoscopic representative elementary area of red mudstone based on U-Net segmentation. Arabian Journal of Geosciences, 2022, 15, .	1.3	1
779	Multi-path Convolutional Neural Network to Identify Tumorous Sub-classes for Breast Tissue from Histopathological Images. SN Computer Science, 2022, 3, .	3.6	3
780	ChromosomeNet: A massive dataset enabling benchmarking and building basedlines of clinical chromosome classification. Computational Biology and Chemistry, 2022, 100, 107731.	2.3	4
781	Hybrid U-Net: Semantic segmentation of high-resolution satellite images to detect war destruction. Machine Learning With Applications, 2022, 9, 100381.	4.4	2
782	Mapping wheel-ruts from timber harvesting operations using deep learning techniques in drone imagery. Forestry, 0, , .	2.3	2
783	RIIAnet: A Real-Time Segmentation Network Integrated with Multi-Type Features of Different Depths for Pavement Cracks. Applied Sciences (Switzerland), 2022, 12, 7066.	2.5	8
784	Automatic segmentation of thoracic CT images using three deep learning models. Cancer Radiotherapie: Journal De La Societe Francaise De Radiotherapie Oncologique, 2022, , .	1.4	1
785	R<scp>oot</scp>P<scp>ainter</scp>: deep learning segmentation of biological images with corrective annotation. New Phytologist, 2022, 236, 774-791.	7.3	44
786	Learning holistic and discriminative features via an efficient external memory module for building extraction in remote sensing images. Building and Environment, 2022, 222, 109332.	6.9	5
788	DSMSA-Net: Deep Spatial and Multi-scale Attention Network for Road Extraction in High Spatial Resolution Satellite Images. Arabian Journal for Science and Engineering, 2023, 48, 1907-1920.	3.0	6
789	ECA-UNet for coronary artery segmentation and three-dimensional reconstruction. Signal, Image and Video Processing, 2023, 17, 783-789.	2.7	1
790	Pavement Surface Defect Detection Using Mask Region-Based Convolutional Neural Networks and Transfer Learning. Applied Sciences (Switzerland), 2022, 12, 7364.	2.5	8
791	Deep Segmentation Networks for Segmenting Kidneys and Detecting Kidney Stones in Unenhanced Abdominal CT Images. Diagnostics, 2022, 12, 1788.	2.6	21
792	New MS lesion segmentation with deep residual attention gate U-Net utilizing 2D slices of 3D MR images. Frontiers in Neuroscience, 0, 16, .	2.8	6

#	Article	IF	Citations
793	TG-Net: Combining transformer and GAN for nasopharyngeal carcinoma tumor segmentation based on total-body uEXPLORER PET/CT scanner. Computers in Biology and Medicine, 2022, 148, 105869.	7.0	8
795	Evaluation and comparison performance of deep neural networks FCN and RDRCNN in order to identify and extract urban road using images of Sentinel-2 with medium spatial resolution. Journal of Geospatial Information Technology, 2021, 9, 109-133.	0.2	0
796	MIGN: Multiscale Image Generation Network for Remote Sensing Image Semantic Segmentation. IEEE Transactions on Multimedia, 2023, 25, 5601-5613.	7.2	2
797	Road Network Extraction from Satellite Images: A Comparative Study. , 2022, , .		0
798	Multi-type road extraction and analysis of high-resolution images with D-LinkNet50. , 2022, , .		1
799	Super-resolution beamformer with coherence factor treatment. , 2022, , .		0
800	Computer-Aided Polyp Image Segmentation Using A Residual Attention Convolutional Neural Network. , 2022, , .		0
801	Automatic Liver Segmentation Method from CT Images Based on Improved 3D U-Net. , 2022, , .		1
802	Multi-stage Attention-Pooling Network for Lane Marking Detection. , 2022, , .		0
803	Single-Shot End-to-end Road Graph Extraction. , 2022, , .		7
804	Augmentation Invariance and Adaptive Sampling in Semantic Segmentation of Agricultural Aerial Images. , 2022, , .		7
805	Mapping Roads in the Brazilian Amazon with Artificial Intelligence and Sentinel-2. Remote Sensing, 2022, 14, 3625.	4.0	12
806	SW-GAN: Road Extraction from Remote Sensing Imagery Using Semi-Weakly Supervised Adversarial Learning. Remote Sensing, 2022, 14, 4145.	4.0	16
807	DuARE: Automatic Road Extraction with Aerial Images and Trajectory Data at Baidu Maps. , 2022, , .		10
808	Automated Pixel-Level Deep Crack Segmentation on Historical Surfaces Using U-Net Models. Algorithms, 2022, 15, 281.	2.1	4
809	Automated distinction of neoplastic from healthy liver parenchyma based on machine learning. Neural Computing and Applications, 2022, 34, 19629-19638.	5.6	1
810	Accurate segmentation of breast tumor in ultrasound images through joint training and refined segmentation. Physics in Medicine and Biology, 2022, 67, 175013.	3.0	4
811	Road Extraction using High Resolution Satellite Images based on Receptive Field and Improved Deeplabv3+. Journal of Physics: Conference Series, 2022, 2320, 012021.	0.4	2

#	Article	IF	Citations
812	CD-TransUNet: A Hybrid Transformer Network for the Change Detection of Urban Buildings Using L-Band SAR Images. Sustainability, 2022, 14, 9847.	3.2	10
813	AOSLO-net: A Deep Learning-Based Method for Automatic Segmentation of Retinal Microaneurysms From Adaptive Optics Scanning Laser Ophthalmoscopy Images. Translational Vision Science and Technology, 2022, 11, 7.	2.2	8
814	A Segmentation Algorithm of Colonoscopy Images Based on Multi-Scale Feature Fusion. Electronics (Switzerland), 2022, 11, 2501.	3.1	1
815	Industry-Fit AI Usage for Crack Detection in Ground Steel. Electronics (Switzerland), 2022, 11, 2643.	3.1	0
816	A segmentation-based sequence residual attention model for KRAS gene mutation status prediction in colorectal cancer. Applied Intelligence, 0, , .	5.3	3
817	Highly Accurate Identification of Bacteriaâ€™s Antibiotic Resistance Based on Raman Spectroscopy and U-Net Deep Learning Algorithms. ACS Omega, 2022, 7, 29443-29451.	3.5	13
818	RTâ€Unet: An advanced network based on residual network and transformer for medical image segmentation. International Journal of Intelligent Systems, 2022, 37, 8565-8582.	5.7	11
819	A fast and effective deep learning approach for road extraction from historical maps by automatically generating training data with symbol reconstruction. International Journal of Applied Earth Observation and Geoinformation, 2022, 113, 102980.	1.9	7
820	On the capacity of Sentinel-1 synthetic aperture radar in detecting floating macroalgae and other floating matters. Remote Sensing of Environment, 2022, 280, 113188.	11.0	17
821	Multi-class motion-based semantic segmentation for ureteroscopy and laser lithotripsy. Computerized Medical Imaging and Graphics, 2022, 101, 102112.	5.8	3
822	Width Attention based Convolutional Neural Network for Retinal Vessel Segmentation. Expert Systems With Applications, 2022, 209, 118313.	7.6	14
823	M³ResU-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
824	Brain stroke classification and segmentation using encoder-decoder based deep convolutional neural networks. Computers in Biology and Medicine, 2022, 149, 105941.	7.0	12
825	Mutual gain adaptive network for segmenting brain stroke lesions. Applied Soft Computing Journal, 2022, 129, 109568.	7.2	6
826	Inner Cascaded U2-Net: An Improvement to Plain Cascaded U-Net. CMES - Computer Modeling in Engineering and Sciences, 2023, 134, 1323-1335.	1.1	2
827	Road Detection via a Dual-Task Network Based on Cross-Layer Graph Fusion Modules. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
828	FCN-Transformer Feature Fusion forÂPolyp Segmentation. Lecture Notes in Computer Science, 2022, , 892-907.	1.3	38
829	Infrared Attention Network for Woodland Segmentation Using Multispectral Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	10

#	ARTICLE	IF	CITATIONS
830	Brain Tumor Segmentation Framework Based onÂEdge Cloud Cooperation andÂDeep Learning. Lecture Notes in Computer Science, 2022, , 61-72.	1.3	0
831	ReA-Net: A Multiscale Region Attention Network With Neighborhood Consistency Supervision for Building Extraction From Remote Sensing Image. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 9033-9047.	4.9	2
832	BoxPolyp: Boost Generalized Polyp Segmentation Using Extra Coarse Bounding Box Annotations. Lecture Notes in Computer Science, 2022, , 67-77.	1.3	3
833	Physiology-Based Simulation ofÂtheÂRetinal Vasculature Enables Annotation-Free Segmentation ofÂOCT Angiographs. Lecture Notes in Computer Science, 2022, , 330-340.	1.3	6
834	NIGAN: A Framework for Mountain Road Extraction Integrating Remote Sensing Road-Scene Neighborhood Probability Enhancements and Improved Conditional Generative Adversarial Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	8
835	DFTNet: Dual-Path Feature Transfer Network for Weakly Supervised Medical Image Segmentation. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2023, 20, 2530-2540.	3.0	3
836	Lesion-Aware Dynamic Kernel forÂPolyp Segmentation. Lecture Notes in Computer Science, 2022, , 99-109.	1.3	14
837	Harnessing Deep Bladder Tumor Segmentation withÂLogical Clinical Knowledge. Lecture Notes in Computer Science, 2022, , 725-735.	1.3	1
838	Learning Self-calibrated Optic Disc andÂCup Segmentation fromÂMulti-rater Annotations. Lecture Notes in Computer Science, 2022, , 614-624.	1.3	4
839	Multiscale Structure and Texture Feature Fusion for Image Inpainting. IEEE Access, 2022, 10, 82668-82679.	4.2	4
840	TransDeepLab: Convolution-Free Transformer-Based DeepLab v3+ forÂMedical Image Segmentation. Lecture Notes in Computer Science, 2022, , 91-102.	1.3	21
841	Classification of Mine Remote Sensing Land Covers Using Deep Learning. , 2022, , 177-246.		0
842	End-to-End Cell Recognition byÂPoint Annotation. Lecture Notes in Computer Science, 2022, , 109-118.	1.3	4
843	CAT-Net: A Cross-Slice Attention Transformer Model for Prostate Zonal Segmentation in MRI. IEEE Transactions on Medical Imaging, 2023, 42, 291-303.	8.9	9
844	AAUNet: An Attention Augmented Convolution Based UNet forÂChange Detection inÂHigh Resolution Satellite Images. Communications in Computer and Information Science, 2022, , 407-424.	0.5	1
845	Graph Convolution Based Cross-Network Multiscale Feature Fusion for Deep Vessel Segmentation. IEEE Transactions on Medical Imaging, 2023, 42, 183-195.	8.9	7
846	A Self-Supervised Approach to Pixel-Level Change Detection in Bi-Temporal RS Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	10
847	DDU-Net: Dual-Decoder-U-Net for Road Extraction Using High-Resolution Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	24

#	Article	IF	Citations
848	TBC-Unet: U-net with Three-Branch Convolution for Gliomas MRI Segmentation. Lecture Notes in Computer Science, 2022, , 53-65.	1.3	0
849	UNeXt: MLP-Based Rapid Medical Image Segmentation Network. Lecture Notes in Computer Science, 2022, , 23-33.	1.3	160
850	Deep Learning-Based Road Extraction From Historical Maps. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
851	Hierarchical andÂGlobal Modality Interaction forÂBrain Tumor Segmentation. Lecture Notes in Computer Science, 2022, , 441-450.	1.3	1
852	Effect of Color Normalization on Nuclei Segmentation Problem in H&E Stained Histopathology Images. , 2022, , .		2
853	Remote sensing road segmentation and breakpoint repair based on deep learning. , 2022, , .		0
854	Temporal Context Matters: Enhancing Single Image Prediction with Disease Progression Representations. , 2022, , .		6
855	Quantization-aware Deep Optics for Diffractive Snapshot Hyperspectral Imaging. , 2022, , .		2
856	Vox2Cortex: Fast Explicit Reconstruction of Cortical Surfaces from 3D MRI Scans with Geometric Deep Neural Networks. , 2022, , .		12
857	Extraction of Floating Raft Aquaculture Areas from Sentinel-1 SAR Images by a Dense Residual U-Net Model with Pre-Trained ResNet34 as the Encoder. , 2022, , .		1
858	Unet based Image Segmentation of Sweat Droplets for Assisting Assessment of Atopic Dermatitis. , 2022, , .		1
859	Pixel-Level Crack Detection in Levee Systems: A Comparative Study. , 2022, , .		3
860	Edge U-Net: Brain tumor segmentation using MRI based on deep U-Net model with boundary information. Expert Systems With Applications, 2023, 213, 118833.	7.6	24
861	SAU-NET: Scale Aware Polyp Segmentation using Encoder-Decoder Network. , 2022, , .		4
862	Automatic Polyp Segmentation with Multiple Kernel Dilated Convolution Network. , 2022, , .		7
863	Analysis of Current Deep Learning Networks for Semantic Segmentation of Anatomical Structures in Laparoscopic Surgery. , 2022, , .		2
864	Traffic Noise Estimation from Satellite Imagery with Deep Learning. , 2022, , .		0
865	Are 3D better than 2D Convolutional Neural Networks for Medical Imaging Semantic Segmentation?. , 2022, , .		3

#	Article	IF	Citations
866	Enhance Essential Features for Road Extraction from Remote Sensing Images. , 2022, , .		4
867	NormToRaw: A Style Transfer Based Self-supervised Learning Approach for Nuclei Segmentation. , 2022, , .		1
868	OSO-YOLOv5: Automatic Extraction Method of Store Signboards in Street View Images Based on Multi-Dimensional Analysis. ISPRS International Journal of Geo-Information, 2022, 11, 462.	2.9	1
869	Correlation among Composition, Microstructure and Hardness of 7xxx Aluminum Alloy Using Original Statistical Spatial-Mapping Method. Materials, 2022, 15, 5767.	2.9	4
870	Multi-Stage Pyramid Parsing Network For Lane Marking Detection. , 2022, , .		0
871	Deep learning strategy for salt model building. Geophysics, 2022, 87, IM221-IM233.	2.6	3
872	A Reproducible and Reusable Pipeline for Segmentation of Geoscientific Imagery. Earth and Space Science, 2022, 9, .	2.6	11
873	Gastrointestinal Tract Polyp Anomaly Segmentation on Colonoscopy Images Using Graft-U-Net. Journal of Personalized Medicine, 2022, 12, 1459.	2.5	7
874	Complex Mountain Road Extraction in High-Resolution Remote Sensing Images via a Light Roadformer and a New Benchmark. Remote Sensing, 2022, 14, 4729.	4.0	6
875	Automatic Detection of Interplanetary Coronal Mass Ejections in Solar Wind In Situ Data. Space Weather, 0, , .	3.7	0
876	Research on Automatic Reading Recognition of Wheel Mechanical Water Meter Based on Improved U-Net and VGG16. WSEAS Transactions on Computers, 2022, 21, 283-293.	0.4	0
877	Artificial Reef Detection Method for Multibeam Sonar Imagery Based on Convolutional Neural Networks. Remote Sensing, 2022, 14, 4610.	4.0	3
878	CT Modalitesinde U-Net TabanlÄ± Segmentasyon AÄŸlarÄ±nÄ± Kullanarak Pankreas Segmentasyonu: KarÅŸÄ±laÅŸtÄ±rmalÄ± Bir Analiz. European Journal of Science and Technology, 0, , .	0.5	2
879	Semi-automatic road extraction from high resolution satellite images by template matching using Kullbackâ€"Leibler divergence as a similarity measure. International Journal of Image and Data Fusion, 0, , 1-21.	1.7	0
880	Extraction of Rural Residential Land from Very-High Resolution UAV Images Using a Novel Semantic Segmentation Framework. Sustainability, 2022, 14, 12178.	3.2	0
881	Strip Attention Networks for Road Extraction. Remote Sensing, 2022, 14, 4516.	4.0	9
882	VDE-Net: a two-stage deep learning method for phase unwrapping. Optics Express, 2022, 30, 39794.	3.4	8
883	In vivo magnetic resonance 31Pâ€"Spectral Analysis With Neural Networks: 31Pâ€"SPAWNN. Magnetic Resonance in Medicine, 2023, 89, 40-53.	3.0	2

#	Article	IF	Citations
884	MulTNet: A Multi-Scale Transformer Network for Marine Image Segmentation toward Fishing. Sensors, 2022, 22, 7224.	3.8	2
885	DRT-Unet: A Segmentation Network for Aiding Brain Tumor Diagnosis. Security and Communication Networks, 2022, 2022, 1-11.	1.5	2
886	Deep learning combined with topology and channel features for road extraction from remote sensing images. , 2022, , .		0
887	SIL-Net: A Semi-Isotropic L-shaped network for dermoscopic image segmentation. Computers in Biology and Medicine, 2022, 150, 106146.	7.0	2
888	Vector data partition correction method supported by deep learning. International Journal of Remote Sensing, 2022, 43, 5603-5635.	2.9	2
889	HSNet: A hybrid semantic network for polyp segmentation. Computers in Biology and Medicine, 2022, 150, 106173.	7.0	30
890	DMCGNet: A Novel Network for Medical Image Segmentation With Dense Self-Mimic and Channel Grouping Mechanism. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 5013-5024.	6.3	11
891	Development and model form assessment of an automatic subject-specific vertebra reconstruction method. Computers in Biology and Medicine, 2022, 150, 106158.	7.0	1
892	GA-Net: A geometry prior assisted neural network for road extraction. International Journal of Applied Earth Observation and Geoinformation, 2022, 114, 103004.	1.9	10
893	Scanning electron microscopy (SEM) image segmentation for microstructure analysis of concrete using U-net convolutional neural network. Automation in Construction, 2022, 144, 104602.	9.8	19
894	Encoder-Decoder Architectures forÂClinically Relevant Coronary Artery Segmentation. Lecture Notes in Computer Science, 2022, , 63-78.	1.3	2
895	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
896	Med-DANet: Dynamic Architecture Network forÂEfficient Medical Volumetric Segmentation. Lecture Notes in Computer Science, 2022, , 506-522.	1.3	1
897	PointScatter: Point Set Representation forÂTubular Structure Extraction. Lecture Notes in Computer Science, 2022, , 366-383.	1.3	3
898	Deep Neural Network for Lung Image Segmentation on Chest X-ray. Technologies, 2022, 10, 105.	5.1	8
899	A Change Detection Method Based on Multi-Scale Adaptive Convolution Kernel Network and Multimodal Conditional Random Field for Multi-Temporal Multispectral Images. Remote Sensing, 2022, 14, 5368.	4.0	12
900	Improving Road Extraction for Autonomous Driving Using Swin Transformer Unet. , 2022, , .		4
901	Cu-Net: Towards Continuous Multi-Class Contour Detection for Retinal Layer Segmentation In Oct Images. , 2022, , .		0

#	Article	IF	Citations
902	Road Extraction Assisted Offset Regression Method in Cross-view Image- based Geo-localization. , 2022, , .		0
903	MECA-Net: A MultiScale Feature Encoding and Long-Range Context-Aware Network for Road Extraction from Remote Sensing Images. Remote Sensing, 2022, 14, 5342.	4.0	10
905	Automated segmentation of multiple sclerosis lesions based on convolutional neural networks. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2023, 11, 1359-1377.	1.9	1
906	Research on CT Lung Segmentation Method of Preschool Children based on Traditional Image Processing and ResUnet. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-10.	1.3	1
907	Image-to-Image Subpixel Registration Based on Template Matching of Road Network Extracted by Deep Learning. Remote Sensing, 2022, 14, 5360.	4.0	5
908	Modeling of structural features from aeromagnetic maps using an improved deep learning technique. Earth Science Informatics, 0, , .	3.2	0
909	RMOBF-Net: Network for the Restoration of Motion and Optical Blurred Finger-Vein Images for Improving Recognition Accuracy. Mathematics, 2022, 10, 3948.	2.2	1
910	Using AAEHS-Net as an Attention-Based Auxiliary Extraction and Hybrid Subsampled Network for Semantic Segmentation. Computational Intelligence and Neuroscience, 2022, 2022, 1-18.	1.7	0
911	Semisupervised white matter hyperintensities segmentation on MRI. Human Brain Mapping, 2023, 44, 1344-1358.	3.6	2
912	A Land Cover Background-Adaptive Framework for Large-Scale Road Extraction. Remote Sensing, 2022, 14, 5114.	4.0	3
913	Applicability analysis of attention U-Nets over vanilla variants for automated ship detection. Reports on Geodesy and Geoinformatics, 2022, 114, 9-14.	0.2	0
914	DSANet: A Deep Supervision-Based Simple Attention Network for Efficient Semantic Segmentation in Remote Sensing Imagery. Remote Sensing, 2022, 14, 5399.	4.0	5
915	ELCD: Efficient Lunar Crater Detection Based on Attention Mechanisms and Multiscale Feature Fusion Networks from Digital Elevation Models. Remote Sensing, 2022, 14, 5225.	4.0	4
916	Pixel-Level Anomaly Detection via Uncertainty-aware Prototypical Transformer. , 2022, , .		2
917	Prediction of Lung Nodule Progression with an Uncertainty-Aware Hierarchical Probabilistic Network. Diagnostics, 2022, 12, 2639.	2.6	3
918	Exploring the Acceleration Limits of Deep Learning Variational Network–based Two-dimensional Brain MRI. Radiology: Artificial Intelligence, 2022, 4, .	5.8	11
919	Deep learning accelerated topology optimization with inherent control of image quality. Structural and Multidisciplinary Optimization, 2022, 65, .	3.5	1
920	A feasibility study on deep‐neural‐network‐based dose‐neutral dual‐energy digital breast tomosynthesis. Medical Physics, 0, , .	3.0	0

#	Article	IF	Citations
921	GCCINet: Global feature capture and cross-layer information interaction network for building extraction from remote sensing imagery. International Journal of Applied Earth Observation and Geoinformation, 2022, 114, 103046.	1.9	2
922	Cx22: A new publicly available dataset for deep learning-based segmentation of cervical cytology images. Computers in Biology and Medicine, 2022, 150, 106194.	7.0	33
923	RING-Net. , 2022, , .		3
924	FCD-R2U-net: Forest change detection in bi-temporal satellite images using the recurrent residual-based U-net. Earth Science Informatics, 2022, 15, 2335-2347.	3.2	20
925	A full resolution deep learning network for paddy rice mapping using Landsat data. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 194, 91-107.	11.1	17
926	Novel visual crack width measurement based on backbone double-scale features for improved detection automation. Engineering Structures, 2023, 274, 115158.	5.3	110
927	PISDGAN: Perceive image structure and details for laryngeal image enhancement. Biomedical Signal Processing and Control, 2023, 80, 104307.	5.7	1
928	Unexpected Dynamic Obstacle Monocular Detection in the Driver View. IEEE Intelligent Transportation Systems Magazine, 2022, , 2-15.	3.8	4
929	Comparative Study of Real-Time Semantic Segmentation Networks in Aerial Images During Flooding Events. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 4-20.	4.9	9
930	A Deep Learning Model for Green Algae Detection on SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	6.3	5
931	GAN-Based Satellite Imaging: A Survey on Techniques and Applications. IEEE Access, 2022, 10, 118123-118140.	4.2	1
932	GraVIS: Grouping Augmented Views from Independent Sources for Dermatology Analysis. IEEE Transactions on Medical Imaging, 2022, , 1-1.	8.9	0
933	Li-SegPNet: Encoder-Decoder Mode Lightweight Segmentation Network for Colorectal Polyps Analysis. IEEE Transactions on Biomedical Engineering, 2023, 70, 1330-1339.	4.2	6
934	Landslide4Sense: Reference Benchmark Data and Deep Learning Models for Landslide Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	6.3	41
935	Improvement of Urinary Stone Segmentation Using GAN-Based Urinary Stones Inpainting Augmentation. IEEE Access, 2022, 10, 115131-115142.	4.2	1
936	Conats: A Novel Framework forÂCross-Modal Map Extraction. Lecture Notes in Computer Science, 2022, , 503-518.	1.3	0
937	Open-Source Data-Driven Cross-Domain Road Detection From Very High Resolution Remote Sensing Imagery. IEEE Transactions on Image Processing, 2022, 31, 6847-6862.	9.8	1
938	Semantic Decomposition Network With Contrastive and Structural Constraints for Dental Plaque Segmentation. IEEE Transactions on Medical Imaging, 2023, 42, 935-946.	8.9	1

#	ARTICLE	IF	CITATIONS
939	Optimizing Feature Representation via A Nested Network for Object Segmentation. , 2022, , .		1
941	MHAU-Net: Skin Lesion Segmentation Based on Multi-Scale Hybrid Residual Attention Network. Sensors, 2022, 22, 8701.	3.8	4
942	Research on the Spatiotemporal Evolution of Mangrove Forests in the Hainan Island from 1991 to 2021 Based on SVM and Res-UNet Algorithms. Remote Sensing, 2022, 14, 5554.	4.0	4
943	Comparison of 2D and 3D semantic segmentation in urban areas using fused hyperspectral and lidar data. Journal of Spectral Imaging, 0, , .	0.0	2
944	Attention-based pyramid decoder network for salient object detection in remote sensing images. Journal of Applied Remote Sensing, 2022, 16, .	1.3	0
945	Improving the Interpretability and Reliability of Regional Land Cover Classification by U-Net Using Remote Sensing Data. Chinese Geographical Science, 2022, 32, 979-994.	3.0	3
946	Road Curbs Extraction from Mobile Laser Scanning Point Clouds with Multidimensional Rotationâ€Invariant Version of the Local Binary Pattern Features. Photogrammetric Record, 2022, 37, 410-434.	0.4	2
947	Investigating ancient agricultural field systems in Sweden from airborne LIDAR data by using convolutional neural network. Archaeological Prospection, 2023, 30, 209-219.	2.2	5
948	Dental Lesion Segmentation Using an Improved ICNet Network with Attention. Micromachines, 2022, 13, 1920.	2.9	2
949	APT-Net: Adaptive encoding and parallel decoding transformer for medical image segmentation. Computers in Biology and Medicine, 2022, 151, 106292.	7.0	9
950	Brain tumour segmentation based on an improved U-Net. BMC Medical Imaging, 2022, 22, .	2.7	9
951	Traffic Analysis Through Deep-Learning-Based Image Segmentation From UAV Streaming. IEEE Internet of Things Journal, 2023, 10, 6059-6073.	8.7	3
952	Convolutional Neural Networks for MRI-Based Brain Tumor Segmentation: A Comparative Analysis of State-of-the-Art Segmentation Networks. Turkish Journal of Forecasting, 0, , .	1.0	0
953	Coronary Ostia Localization Using Residual U-Net withÂHeatmap Matching andÂ3D DSNT. Lecture Notes in Computer Science, 2022, , 318-327.	1.3	1
954	A Multi-Scale Context Aware Attention Model for Medical Image Segmentation. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 3731-3739.	6.3	6
955	UNet-eVAE: Iterative Refinement Using VAE Embodied Learning forÂEndoscopic Image Segmentation. Lecture Notes in Computer Science, 2022, , 161-170.	1.3	0
956	A Research forÂSegmentation ofÂBrain Tumors Based onÂGAN Model. Lecture Notes in Computer Science, 2022, , 369-381.	1.3	0
957	FMAM-Net: Fusion Multi-Scale Attention Mechanism Network for Building Segmentation in Remote Sensing Images. IEEE Access, 2022, 10, 134241-134251.	4.2	2

#	Article	IF	Citations
958	RAAGR2-Net: A brain tumor segmentation network using parallel processing of multiple spatial frames. Computers in Biology and Medicine, 2023, 152, 106426.	7.0	24
959	A deep learning classification approach using high spatial satellite images for detection of built-up areas in rural zones: Case study of Souss-Massa region - Morocco. Remote Sensing Applications: Society and Environment, 2023, 29, 100898.	1.5	5
960	EFASPP U-Net for semantic segmentation of night traffic scenes using fusion of visible and thermal images. Engineering Applications of Artificial Intelligence, 2023, 117, 105627.	8.1	12
961	Key-point estimation of knee X-ray images using a parallel fusion decoding network. Knee, 2023, 40, 256-269.	1.6	2
962	A comparative study of loss functions for road segmentation in remotely sensed road datasets. International Journal of Applied Earth Observation and Geoinformation, 2023, 116, 103159.	1.9	4
963	Detection of potential gas accumulations in 2D seismic images using spatio-temporal, PSO, and convolutional LSTM approaches. Expert Systems With Applications, 2023, 215, 119337.	7.6	4
964	De-Noising of Photoacoustic Microscopy Images by Attentive Generative Adversarial Network. IEEE Transactions on Medical Imaging, 2023, 42, 1349-1362.	8.9	8
965	Data Discernment for Affordable Training in Medical Image Segmentation. IEEE Transactions on Medical Imaging, 2023, 42, 1431-1445.	8.9	1
966	Deep Learning based Segmentation of Optical Coherence Tomographic Images of Human Saphenous Varicose Vein. , 2022, , .		0
967	A Semi-supervised Road Segmentation Method for Remote Sensing Image Based on SegFormer. Communications in Computer and Information Science, 2022, , 189-201.	0.5	1
968	R-UNet++: A Local Segmentation Network for the Classification of Oracle Bone Materials. Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics, 2022, 34, 415-424.	0.2	0
969	U-Net based Deep Learning Architectures for Latent Fingerprint Segmentation. , 2022, , .		1
970	Cooperation of Boundary Attention and Negative Matrix L1 Regularization Loss Function for Polyp Segmentation. , 2022, , .		0
971	Medical Image Segmentation Based on Recurrent Residual Convolution Neural Network. Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics, 2022, 34, 1205-1215.	0.2	0
972	Speckle Image Restoration without Clean Data. , 2022, , .		1
973	Convolutional Neural Network Modelling for MODIS Land Surface Temperature Super-Resolution. , 2022, , .		3
974	A Deep Learning-based Unified Solution for Character Recognition. , 2022, , .		0
975	RBCA-Net: Reverse Boundary Channel Attention Network for Kidney Tumor Segmentation in CT images. , 2022, , .		1

#	Article	IF	Citations
976	Multi-Modal Magnetic Resonance Images Segmentation Based on An Improved 3DUNet. , 2022, , .		1
977	Using Machine Learning to Predict Multiphase Flow through Complex Fractures. Energies, 2022, 15, 8871.	3.1	2
978	Automatic Road Extraction from Very High Resolution Orthophoto Using DeepLab V3+. , 2022, , .		0
979	Research on Road Extraction Method Based on Sustainable Development Goals Satellite-1 Nighttime Light Data. Remote Sensing, 2022, 14, 6015.	4.0	7
980	Efficient Knowledge Distillation for Brain Tumor Segmentation. Applied Sciences (Switzerland), 2022, 12, 11980.	2.5	2
981	IANet: Important-Aware Network for Microscopic Hyperspectral Pathology Image Segmentation. , 2022, , .		1
982	Improving across-dataset brain tissue segmentation for MRI imaging using transformer. , 0, 1, .		2
983	Generalization of U-Net Semantic Segmentation for Forest Change Detection in South Korea Using Airborne Imagery. Forests, 2022, 13, 2170.	2.1	8
984	Pore-scale modeling of multiphase flow in porous media using a conditional generative adversarial network (cGAN). Physics of Fluids, 2022, 34, .	4.0	4
986	Remote sensing identification of green plastic cover in urban built-up areas. Environmental Science and Pollution Research, 0, , .	5.3	1
987	Semantic Segmentation of Hyperspectral Remote Sensing Images Based on PSE-UNet Model. Sensors, 2022, 22, 9678.	3.8	10
988	Segmentation of liver CT images based on the improved UNet network. , 2022, , .		0
989	Geometrically-driven generation of mechanical designs through deep convolutional GANs. Engineering Optimization, 2024, 56, 18-35.	2.6	0
990	MRA-UNet: balancing speed and accuracy in road crack segmentation network. Signal, Image and Video Processing, 2023, 17, 2093-2100.	2.7	4
991	Mapping Dwellings in IDP/Refugee Settlements Using Deep Learning. Remote Sensing, 2022, 14, 6382.	4.0	0
992	Deep learning assisted plenoptic wavefront sensor for direct wavefront detection. Optics Express, 2023, 31, 2989.	3.4	4
993	DBA-UNet: a double U-shaped boundary attention network for maxillary sinus anatomical structure segmentation in CBCT images. Signal, Image and Video Processing, 2023, 17, 2251-2257.	2.7	2
994	Deep learning-based recognition and segmentation of intracranial aneurysms under small sample size. Frontiers in Physiology, 0, 13, .	2.8	4

#	ARTICLE	IF	CITATIONS
995	An end–to–end steel surface defect detection approach via Swin transformer. IET Image Processing, 2023, 17, 1334-1345.	2.5	4
996	Boundary-aware feature and prediction refinement for polyp segmentation. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 0, , 1-10.	1.9	1
997	Correction of AFM data artifacts using a convolutional neural network trained with synthetically generated data. Ultramicroscopy, 2023, 246, 113666.	1.9	3
998	Dual-Stage Deeply Supervised Attention-Based Convolutional Neural Networks for Mandibular Canal Segmentation in CBCT Scans. Sensors, 2022, 22, 9877.	3.8	7
999	<scp>CVI–Net</scp> –based automatic assessment of diabetic retinopathy severity using choroidal vascularity index in optical coherence tomography images. Journal of Biophotonics, 0, , .	2.3	0
1000	A Medical Image Segmentation Method Based on Residual Network and Channel Attention Mechanism. Lecture Notes in Computer Science, 2023, , 54-60.	1.3	0
1001	OCTAve: 2D <i>En Face</i> Optical Coherence Tomography Angiography Vessel Segmentation in Weakly-Supervised Learning With Locality Augmentation. IEEE Transactions on Biomedical Engineering, 2023, 70, 1931-1942.	4.2	1
1002	A Nonstationary Random Medium Modeling Method Based on FFT Moving Average and U-Net. IEEE Access, 2023, 11, 3110-3117.	4.2	0
1003	Robust lockwire segmentation with multiscale boundary-driven regional stability. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 0, , .	1.5	0
1004	DPC-MSGATNet: dual-path chain multi-scale gated axial-transformer network for four-chamber view segmentation in fetal echocardiography. Complex & Intelligent Systems, 2023, 9, 4503-4519.	6.5	3
1005	Semantic segmentation of mechanical assembly using selective kernel convolution UNet with fully connected conditional random field. Measurement: Journal of the International Measurement Confederation, 2023, 209, 112499.	5.0	1
1006	Comparison of In-Vivo and Ex-Vivo Ascending Aorta Elastic Properties through Automatic Deep Learning Segmentation of Cine-MRI and Biomechanical Testing. Journal of Clinical Medicine, 2023, 12, 402.	2.4	3
1007	Thick Cloud Removal Under Land Cover Changes Using Multisource Satellite Imagery and a Spatiotemporal Attention Network. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-18.	6.3	2
1008	Multi-Scale Feature Map Aggregation and Supervised Domain Adaptation of Fully Convolutional Networks for Urban Building Footprint Extraction. Remote Sensing, 2023, 15, 488.	4.0	7
1009	Lymph node detection in CT scans using modified U-Net with residual learning and 3D deep network. International Journal of Computer Assisted Radiology and Surgery, 2023, 18, 723-732.	2.8	2
1010	Improving vessel connectivity in retinal vessel segmentation via adversarial learning. Knowledge-Based Systems, 2023, 262, 110243.	7.1	0
1011	Residual attention based uncertainty-guided mean teacher model for semi-supervised breast masses segmentation in 2D ultrasonography. Computerized Medical Imaging and Graphics, 2023, 104, 102173.	5.8	8
1012	Triplet attention fusion module: A concise and efficient channel attention module for medical image segmentation. Biomedical Signal Processing and Control, 2023, 82, 104515.	5.7	2

#	ARTICLE	IF	CITATIONS
1013	A novel multi-attention, multi-scale 3D deep network for coronary artery segmentation. Medical Image Analysis, 2023, 85, 102745.	11.6	7
1014	Learning-based Localizability Estimation for Robust LiDAR Localization. , 2022, , .		8
1015	Segmentation of Liver in CT images using 3D-Res-UNet. , 2022, , .		1
1016	Identify, Guess and Reconstruct: Three Principles for Cloud Removal Task. , 2022, , .		0
1017	ECU-Net: multi-scale salient boundary detection and contrast feature enhancement U-Net for breast ultrasound image segmentation. Signal, Image and Video Processing, 0, , .	2.7	0
1018	Hypopharyngeal Cancer Segmentation Using Convolution Neural Network: A Comparative Analysis. , 2022, , .		0
1019	Attention Res-UNet. International Journal of Decision Support System Technology, 2022, 15, 1-17.	0.7	1
1020	Deep Quantified Visibility Estimation for Traffic Image. Atmosphere, 2023, 14, 61.	2.3	3
1021	Multi-Modality Brain Tumor Segmentation Network Based on Collaborative Feature Fusion. , 2022, , .		0
1022	MedSeq: Semantic Segmentation for Medical Image Sequences. , 2022, , .		2
1023	Superpixel-Based Multiscale CNN Approach Toward Multiclass Object Segmentation From UAV-Captured Aerial Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 1771-1784.	4.9	8
1024	MACNet: Multi-Attention and Context Network for Polyp Segmentation. Lecture Notes in Computer Science, 2023, , 369-384.	1.3	0
1025	Road Network Detection from Aerial Imagery of Urban Areas Using Deep ResUNet in Combination with the B-snake Algorithm. Human-centric Intelligent Systems, 0, , .	3.5	0
1026	Detection of Detached Ice-fragments at Martian Polar Scarps Using a Convolutional Neural Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 1728-1739.	4.9	0
1027	Deep Feature Enhancement Method for Land Cover With Irregular and Sparse Spatial Distribution Features: A Case Study on Open-Pit Mining. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-20.	6.3	5
1028	Channel Estimation for Indoor Massive MIMO Visible Light Communication With Deep Residual Convolutional Blind Denoising Network. IEEE Transactions on Cognitive Communications and Networking, 2023, 9, 683-694.	7.9	4
1029	RADANet: Road Augmented Deformable Attention Network for Road Extraction From Complex High-Resolution Remote-Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.3	17
1030	Wetlands Mapping with Deep ResU-Net CNN and Open-Access Multisensor and Multitemporal Satellite Data in Alberta's Parkland and Grassland Region. Remote Sensing in Earth Systems Sciences, 2023, 6, 22-37.	1.8	0

#	Article	IF	Citations
1031	Multitemporal Feature-Level Fusion on Hyperspectral and LiDAR Data in the Urban Environment. Remote Sensing, 2023, 15, 632.	4.0	7
1032	A shape-attention Pivot-Net for identifying central pivot irrigation systems from satellite images using a cloud computing platform: an application in the contiguous US. GIScience and Remote Sensing, 2023, 60, .	5.9	3
1033	Local Adaptive Illumination-Driven Input-Level Fusion for Infrared and Visible Object Detection. Remote Sensing, 2023, 15, 660.	4.0	14
1034	CoKe: Contrastive Learning for Robust Keypoint Detection. , 2023, , .		1
1035	Segmentation of polyps based on pyramid vision transformers and residual block for real-time endoscopy imaging. Journal of Pathology Informatics, 2023, 14, 100197.	1.7	3
1036	Dual parallel net: A novel deep learning model for rectal tumor segmentation via CNN and transformer with Gaussian Mixture prior. Journal of Biomedical Informatics, 2023, 139, 104304.	4.3	4
1037	DCSAU-Net: A deeper and more compact split-attention U-Net for medical image segmentation. Computers in Biology and Medicine, 2023, 154, 106626.	7.0	50
1038	CRCNet: Global-local context and multi-modality cross attention for polyp segmentation. Biomedical Signal Processing and Control, 2023, 83, 104593.	5.7	10
1039	Crack Segmentation Based on Fusing Multi-Scale Wavelet and Spatial-Channel Attention. SDHM Structural Durability and Health Monitoring, 2023, 17, 1-22.	1.1	1
1040	iResSENet: An Accurate Convolutional Neural Network forÂRetinal Blood Vessel Segmentation. Lecture Notes in Computer Science, 2023, , 567-578.	1.3	1
1041	SepFE: Separable Fusion Enhanced Network for Retinal Vessel Segmentation. CMES - Computer Modeling in Engineering and Sciences, 2023, 136, 2465-2485.	1.1	1
1042	CKD-TransBTS: Clinical Knowledge-Driven Hybrid Transformer With Modality-Correlated Cross-Attention for Brain Tumor Segmentation. IEEE Transactions on Medical Imaging, 2023, 42, 2451-2461.	8.9	9
1043	Improving segmentation of calcified and non-calcified plaques on CCTA-CPR scans via masking of the artery wall. , 2023, , .		0
1044	<scp>GRâ€Net</scp> : Gated axial attention <scp>ResNest</scp> network for polyp segmentation. International Journal of Imaging Systems and Technology, 0, , .	4.1	0
1045	Automated segmentation of foodborne bacteria from chicken rinse with hyperspectral microscope imaging and deep learning methods. Computers and Electronics in Agriculture, 2023, 208, 107802.	7.7	2
1046	RMMLP:Rolling MLP and matrix decomposition for skin lesion segmentation. Biomedical Signal Processing and Control, 2023, 84, 104825.	5.7	6
1047	MSCA-Net: Multi-scale contextual attention network for skin lesion segmentation. Pattern Recognition, 2023, 139, 109524.	8.1	9
1048	TANet: Triple Attention Network for medical image segmentation. Biomedical Signal Processing and Control, 2023, 82, 104608.	5.7	3

#	ARTICLE	IF	CITATIONS
1049	CFPNet-M: A light-weight encoder-decoder based network for multimodal biomedical image real-time segmentation. Computers in Biology and Medicine, 2023, 154, 106579.	7.0	15
1050	Parallel mlp architecture for Polyp Segmentation. , 2022, , .		0
1051	Brain Tumor Detection and Localization: An Inception V3 - Based Classification Followed By RESUNET-Based Segmentation Approach. International Journal of Mathematical, Engineering and Management Sciences, 2023, 8, 336-352.	0.7	2
1052	Combining ICESat-2 photons and Google Earth Satellite images for building height extraction. International Journal of Applied Earth Observation and Geoinformation, 2023, 117, 103213.	1.9	1
1053	Transforming medical imaging with Transformers? A comparative review of key properties, current progresses, and future perspectives. Medical Image Analysis, 2023, 85, 102762.	11.6	53
1054	Experimental Analysis of U-Net and Mask R-CNN for Segmentation of Synthetic Liquid Spray. , 2022, , .		2
1055	MRI brain tumor segmentation using residual Spatial Pyramid Pooling-powered 3D U-Net. Frontiers in Public Health, 0, 11, .	2.7	7
1056	Fractional derivative based weighted skip connections for satellite image road segmentation. Neural Networks, 2023, 161, 142-153.	5.9	4
1057	A multi-centre polyp detection and segmentation dataset for generalisability assessment. Scientific Data, 2023, 10, .	5.3	16
1058	Road object detection for HD map: Full-element survey, analysis and perspectives. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 197, 122-144.	11.1	0
1059	Research of Land Surface Segmentation based on Convolutional Netword and Transformer Network. , 2022, , .		0
1060	A Multi-Scale Edge Constraint Network for the Fine Extraction of Buildings from Remote Sensing Images. Remote Sensing, 2023, 15, 927.	4.0	4
1061	Convolution Neural Network Enhanced MIMO Array Radar Imaging Based on Back Projection Algorithm. , 2021, , .		0
1062	Swin-ResUNet: A Swin-Topology Module for Road Extraction from Remote Sensing Images. , 2022, , .		0
1063	DEHA-Net: A Dual-Encoder-Based Hard Attention Network with an Adaptive ROI Mechanism for Lung Nodule Segmentation. Sensors, 2023, 23, 1989.	3.8	8
1064	Rethinking the Transfer Learning for FCN Based Polyp Segmentation in Colonoscopy. IEEE Access, 2023, 11, 16183-16193.	4.2	8
1065	ConvSegNet: Automated Polyp Segmentation From Colonoscopy Using Context Feature Refinement With Multiple Convolutional Kernel Sizes. IEEE Access, 2023, 11, 16142-16155.	4.2	1
1066	RoadFormer: Road Extraction Using a Swin Transformer Combined with a Spatial and Channel Separable Convolution. Remote Sensing, 2023, 15, 1049.	4.0	11

#	Article	IF	Citations
1067	TransMVU: Multiâ€view 2D Uâ€Nets with transformer for brain tumour segmentation. IET Image Processing, 2023, 17, 1874-1882.	2.5	2
1068	Fusing Sentinel-1 and Sentinel-2 Images for Deforestation Detection in the Brazilian Amazon Under Diverse Cloud Conditions. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	3.1	2
1069	IB-TransUNet: Combining Information Bottleneck and Transformer for Medical Image Segmentation. Journal of King Saud University - Computer and Information Sciences, 2023, 35, 249-258.	3.9	1
1070	Development of a near-infrared (NIR) forearm subcutaneous vein extraction using deep residual U-Net. AIP Conference Proceedings, 2023, , .	0.4	0
1071	mfeeU-Net: A multi-scale feature extraction and enhancement U-Net for automatic liver segmentation from CT Images. Mathematical Biosciences and Engineering, 2023, 20, 7784-7801.	1.9	3
1072	Scattered Mountainous Area Building Extraction From an Open Satellite Imagery Dataset. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	3.1	0
1073	Semi-Supervised Land Cover Classification of Remote Sensing Imagery Using CycleGAN and EfficientNet. KSCE Journal of Civil Engineering, 2023, 27, 1760-1773.	1.9	8
1074	Hybrid Convolutional Neural Network Method for Robust Brain Stroke Diagnosis and Segmentation. Balkan Journal of Electrical and Computer Engineering, 2022, 10, 410-418.	0.6	0
1075	MRI image denoising using U-Net and Image Processing Techniques. , 2022, , .		3
1076	Automatic measurement of exophthalmos based orbital CT images using deep learning. Frontiers in Cell and Developmental Biology, 0, 11, .	3.7	1
1077	Deep Learning Approach for Multi-class Semantic Segmentation of UAV Images. International Journal on Artificial Intelligence Tools, 0, , .	1.0	0
1078	A Lake Extraction Method Combining the Object-Oriented Method with Boundary Recognition. Land, 2023, 12, 545.	2.9	1
1079	Brain Tumor Segmentation Using Modified Double U-Net Architecture. Advances in Science and Technology, 0, , .	0.2	2
1080	Deep learningâ€based dominant index lesion segmentation for MRâ€guided radiation therapy of prostate cancer. Medical Physics, 2023, 50, 4854-4870.	3.0	4
1081	Deep-learning approach to automate the segmentation of aorta in non-contrast CTs. Journal of Medical Imaging, 2023, 10, .	1.5	0
1082	Adversarial-based latent space alignment network for left atrial appendage segmentation in transesophageal echocardiography images. Frontiers in Cardiovascular Medicine, 0, 10, .	2.4	0
1084	AGD-Linknet: A Road Semantic Segmentation Model for High Resolution Remote Sensing Images Integrating Attention Mechanism, Gated Decoding Block and Dilated Convolution. IEEE Access, 2023, 11, 22585-22595.	4.2	5
1085	A graphâ€based edge attention gate medical image segmentation method. IET Image Processing, 2023, 17, 2142-2157.	2.5	2

#	ARTICLE	IF	CITATIONS
1086	Semi-universal geo-crack detection by machine learning. Frontiers in Earth Science, 0, 11, .	1.8	1
1087	Deep ResU-Net Convolutional Neural Networks Segmentation for Smallholder Paddy Rice Mapping Using Sentinel 1 SAR and Sentinel 2 Optical Imagery. Remote Sensing, 2023, 15, 1517.	4.0	5
1088	An Integrated Method for Road Crack Segmentation and Surface Feature Quantification under Complex Backgrounds. Remote Sensing, 2023, 15, 1530.	4.0	7
1089	Nested DWTâ€"Based CNN Architecture for Monocular Depth Estimation. Sensors, 2023, 23, 3066.	3.8	2
1090	Multiâ€Scale Attentionâ€Enhanced Deep Learning Model for Ionogram Automatic Scaling. Radio Science, 2023, 58, .	1.6	0
1091	Urinary Stones Segmentation in Abdominal X-Ray Images Using Cascaded U-Net Pipeline With Stone-Embedding Augmentation and Lesion-Size Reweighting Approach. IEEE Access, 2023, 11, 25702-25712.	4.2	1
1092	MDSU-Net: A Multi-attention and Depthwise Separable Convolution Network for Stroke Lesion Segmentation. , 2022, , .		2
1093	Seg-Road: A Segmentation Network for Road Extraction Based on Transformer and CNN with Connectivity Structures. Remote Sensing, 2023, 15, 1602.	4.0	10
1094	Fringe projection-based single-shot 3D eye tracking using deep learning and computer graphics. , 2023, , .		0
1095	DenseResSegnet: A Dense Residual Segnet for Road Detection Using Remote Sensing Images. , 2023, , .		1
1096	SemiRoadExNet: A semi-supervised network for road extraction from remote sensing imagery via adversarial learning. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 198, 169-183.	11.1	12
1097	<scp>DeepChestNet</scp>: Artificial intelligence approach for <scp>COVID</scp>â€19 detection on computed tomography images. International Journal of Imaging Systems and Technology, 2023, 33, 776-788.	4.1	4
1098	Mass segmentation and classification from film mammograms using cascaded deep transfer learning. Biomedical Signal Processing and Control, 2023, 84, 104819.	5.7	3
1099	Stacking Feature Maps ofÂMulti-scaled Medical Images inÂU-Net forÂ3D Head andÂNeck Tumor Segmentation. Lecture Notes in Computer Science, 2023, , 77-85.	1.3	1
1100	INS-GNSS Integrated Navigation Algorithm Based on TransGAN. Intelligent Automation and Soft Computing, 2023, 37, 91-110.	2.1	0
1101	Hyperspectral compressive wavefront sensing. High Power Laser Science and Engineering, 2023, 11, .	4.6	3
1102	The Impacts of Quality-Oriented Dataset Labeling on Tree Cover Segmentation Using U-Net: A Case Study in WorldView-3 Imagery. Remote Sensing, 2023, 15, 1691.	4.0	1
1103	Optic disc and retinal vascular features in first 6 years of Chinese children. Frontiers in Pediatrics, 0, 11, .	1.9	0

#	ARTICLE	IF	CITATIONS
1104	Regional perception and multi-scale feature fusion network for cardiac segmentation. Physics in Medicine and Biology, 2023, 68, 105003.	3.0	2
1105	A Two-Stage Automatic Color Thresholding Technique. Sensors, 2023, 23, 3361.	3.8	1
1106	Road Extraction With Satellite Images and Partial Road Maps. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.3	0
1107	Wind profiler Doppler power spectrum segmentation using U-Net. , 2023, , .		0
1108	ASPP-UNet: A New Semantic Segmentation Algorithm for Thyroid Nodule Ultrasonic Image. , 2022, , .		1
1109	Segmentation and Classification Approaches of Clinically Relevant Curvilinear Structures: A Review. Journal of Medical Systems, 2023, 47, .	3.6	3
1110	BAF-Net: Bidirectional attention fusion network via CNN and transformers for the pepper leaf segmentation. Frontiers in Plant Science, 0, 14, .	3.6	2
1111	DilatedSegNet: A Deep Dilated Segmentation Network forÂPolyp Segmentation. Lecture Notes in Computer Science, 2023, , 334-344.	1.3	3
1112	Integrating Spatial Details With Long-Range Contexts for Semantic Segmentation of Very High-Resolution Remote-Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	3.1	2
1114	GCCSwin-UNet: Global Context and Cross-Shaped Windows Vision Transformer Network for Polyp Segmentation. Processes, 2023, 11, 1035.	2.8	0
1115	é‡è·å‰ãfã,Rf—ãfã,µã,R¹è˜éŒ²ã,’ç”¨ã,ãŸãfŽã,Rº™åŽ»ã•è¡å±®˜è¿‘ã®é€Ÿåº¦ã®æŽˆå®š. Journal of the Japanese Association for Petrol		0
1116	Fusion ofÂMultiple Classifiers Using Self Supervised Learning forÂSatellite Image Change Detection. Lecture Notes in Computer Science, 2023, , 623-634.	1.3	0
1117	Brain tumor detection & segmentation using deep learning. I-manager S Journal on Computer Science, 2022, 10, 27.	0.2	0
1118	Joint-task learning to improve perceptually-aware super-resolution of aerial images. International Journal of Remote Sensing, 2023, 44, 1820-1841.	2.9	0
1119	The nnU-Net based method for automatic segmenting fetal brain tissues. Health Information Science and Systems, 2023, 11, .	5.2	2
1120	Joint Segmentation and Differential Diagnosis of Thyroid Nodule in Contrast-Enhanced Ultrasound Images. IEEE Transactions on Biomedical Engineering, 2023, 70, 2722-2732.	4.2	3
1121	Remote Sensing Image Road Extraction Network Based on MSPFE-Net. Electronics (Switzerland), 2023, 12, 1713.	3.1	4
1122	Mapping stone walls in Northeastern USA using deep learning and LiDAR data. GIScience and Remote Sensing, 2023, 60, .	5.9	3

#	ARTICLE	IF	CITATIONS
1123	Gate-SBNet: gate semantic boundary network for colorectal polyp segmentation. , 2023, , .		0
1124	RUPNet: residual upsampling network for real-time polyp segmentation. , 2023, , .		0
1125	Comparison of Deep Learning Architectures for Dimensionality Reduction of 3D Flow Fields of a Racing Car. , 0, , .		0
1126	Loading Condition Monitoring of Asphalt Mixture in the Mixing Station Based on Semantic Segmentation. , 2022, , .		0
1127	Brain Tumor Segmentation Network with Multi-View Ensemble Discrimination and Kernel-Sharing Dilated Convolution. Brain Sciences, 2023, 13, 650.	2.3	1
1128	Medical image segmentation based on self-supervised hybrid fusion network. Frontiers in Oncology, 0, 13, .	2.8	1
1129	Improved Residual U-Net for COVID-19 Lung Infection Multi-Class Segmentation in CT Image. , 2022, , .		0
1130	State-Level Mapping of the Road Transport Network from Aerial Orthophotography: An End-to-End Road Extraction Solution Based on Deep Learning Models Trained for Recognition, Semantic Segmentation and Post-Processing with Conditional Generative Learning. Remote Sensing, 2023, 15, 2099.	4.0	1
1131	Semantic Labeling of High-Resolution Images Using EfficientUNets and Transformers. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.3	3
1132	GPU based building footprint identification utilising self-attention multiresolution analysis. All Earth, 2023, 35, 102-111.	2.1	0
1133	Fully-convolutional neural networks ensemble for comet segmentation in single cell gel electrophoresis assay images. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2023, 11, 1960-1972.	1.9	0
1134	A Deep Learning Analysis Framework for Complex Wafer Bin Map Classification. IEEE Transactions on Semiconductor Manufacturing, 2023, 36, 367-377.	1.7	1
1135	SR-AttNet: An Interpretable Stretchâ€"Relax Attention based Deep Neural Network for Polyp Segmentation in Colonoscopy Images. Computers in Biology and Medicine, 2023, 160, 106945.	7.0	4
1136	CrackFormer Network for Pavement Crack Segmentation. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 9240-9252.	8.0	6
1137	High-precision density mapping of marine debris and floating plastics via satellite imagery. Scientific Reports, 2023, 13, .	3.3	7
1139	Deep learning enables super-resolution hydrodynamic flooding process modeling under spatiotemporally varying rainstorms. Water Research, 2023, 239, 120057.	11.3	5
1140	FM-Unet: Biomedical image segmentation based on feedback mechanism Unet. Mathematical Biosciences and Engineering, 2023, 20, 12039-12055.	1.9	0
1141	Coastal Aquaculture Extraction Using GF-3 Fully Polarimetric SAR Imagery: A Framework Integrating UNet++ with Marker-Controlled Watershed Segmentation. Remote Sensing, 2023, 15, 2246.	4.0	2

#	ARTICLE	IF	CITATIONS
1142	An Urban Road Semantic Segmentation Method Based on Bilateral Segmentation Network. , 2023, , .		1
1143	DB-UNet: MLP Based Dual Branch UNet for Accurate Vessel Segmentation in OCTA Images. , 2023, , .		0
1144	Automated Molecular Subtyping ofÂBreast Cancer Through Immunohistochemistry Image Analysis. Lecture Notes in Networks and Systems, 2023, , 23-35.	0.7	0
1145	TCU-Net: Transformer Embedded in Convolutional U-Shaped Network for Retinal Vessel Segmentation. Sensors, 2023, 23, 4897.	3.8	2
1146	Mouse-to-human transfer learning for glomerulus segmentation. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2023, 11, 1996-2005.	1.9	0
1147	DHUnet: Dual-branch hierarchical globalâ€"local fusion network for whole slide image segmentation. Biomedical Signal Processing and Control, 2023, 85, 104976.	5.7	6
1148	Beyin BilgisayarlÄ± Tomografi GÃ¶rÃ¼ntÃ¼lerinde Derin Ã–ÄŸrenme TabanlÄ± Ä°skemik Ä°nme HastalÄ±ÄŸÄ± Segmentasyonu. European Journal of Science and Technology, 0, , .	0.5	1
1149	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
1150	Local-Global Progressive U-Transformers for Accurate Hepatic and Portal Veins Segmentation in Abdominal MR Images. , 2023, , .		0
1151	Deep learning for segmentation and counting of white blood cells in clinical diagnosis. Journal of Mechanics in Medicine and Biology, 0, , .	0.7	1
1152	Contactless Palm Vein Recognition Based on Attention-Gated Residual U-Net and ECA-ResNet. Applied Sciences (Switzerland), 2023, 13, 6363.	2.5	2
1153	Conv-trans dual network for landslide detection of multi-channel optical remote sensing images. Frontiers in Earth Science, 0, 11, .	1.8	4
1154	BSMNet: Boundary-salience multi-branch network for intima-media identification in carotid ultrasound images. Computers in Biology and Medicine, 2023, 162, 107092.	7.0	1
1155	A Stage-Adaptive Selective Network with Position Awareness for Semantic Segmentation of LULC Remote Sensing Images. Remote Sensing, 2023, 15, 2811.	4.0	2
1156	A Dual-Decoding branch U-shaped semantic segmentation network combining Transformer attention with Decoder: DBUNet. Journal of Visual Communication and Image Representation, 2023, 95, 103856.	2.8	2
1157	DeNISE: Deep Networks forÂImproved Segmentation Edges. IFIP Advances in Information and Communication Technology, 2023, , 81-89.	0.7	0
1158	TC-SegNet: robust deep learning network for fully automatic two-chamber segmentation of two-dimensional echocardiography. Multimedia Tools and Applications, 2024, 83, 6093-6111.	3.9	0
1159	Recognition of the Shape and Location of Multiple Power Lines Based on Deep Learning With Post-Processing. IEEE Access, 2023, 11, 57895-57904.	4.2	1

#	ARTICLE	IF	CITATIONS
1160	A CT-based deep learning system for automatic assessment of aortic root morphology for TAVI planning. Computers in Biology and Medicine, 2023, 163, 107147.	7.0	5
1161	Toward Accurate and Efficient Road Extraction by Leveraging the Characteristics of Road Shapes. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-16.	6.3	1
1162	Blood Pressure Estimation From Photoplethysmography by Considering Intra- and Inter-Subject Variabilities: Guidelines for a Fair Assessment. IEEE Access, 2023, 11, 57934-57950.	4.2	0
1163	The importance of resource awareness in artificial intelligence for healthcare. Nature Machine Intelligence, 2023, 5, 687-698.	16.0	7
1164	Improving accuracy of convolutional neural network-based skin lesion segmentation using group normalization and combined loss function. International Journal of Information Technology (Singapore), 0, , .	2.7	1
1165	Background Replacement in Video Conferencing. , 0, , 100004.		0
1166	A fast and robust hippocampal subfields segmentation: HSF revealing lifespan volumetric dynamics. Frontiers in Neuroinformatics, 0, 17, .	2.5	1
1168	Quantitative phase imaging of living red blood cells combining digital holographic microscopy and deep learning. Journal of Biophotonics, 2023, 16, .	2.3	1
1169	TranSEFusionNet: Deep fusion network for colorectal polyp segmentation. Biomedical Signal Processing and Control, 2023, 86, 105133.	5.7	2
1170	GSM-Net: A global sequence modelling network for the segmentation of short axis CINE MRI images. Computerized Medical Imaging and Graphics, 2023, 108, 102266.	5.8	0
1171	The ability of Segmenting Anything Model (SAM) to segment ultrasound images. BioScience Trends, 2023, 17, 211-218.	3.4	4
1172	åŸºäºŽæ·±åº¦å¦ä¹çš„è‡ªé€‚åº"å…å¦ æŠ€æœ¯ç"ç©¶è¿›å±•åŠå•æœ›. Zhongguo Jiguang/Chinese Journal of Lasers, 2023, 50, 1101009.	1.2	0
1173	Geometric Deep Learning using Vascular Surface Meshes for Modality-Independent Unruptured Intracranial Aneurysm Detection. IEEE Transactions on Medical Imaging, 2023, , 1-1.	8.9	2
1174	DRI-UNet: dense residual-inception UNet for nuclei identification in microscopy cell images. Neural Computing and Applications, 2023, 35, 19187-19220.	5.6	3
1175	Superresolution Fluorescence Microscopy of Platelet Subcellular Structures as a Potential Tumor Liquid Biopsy. Small Methods, 2023, 7, .	8.6	0
1176	Novel Contraharmonic Correlative Attention Loss for Microaneurysm Segmentation in Fundus Images. , 2023, 7, 1-4.		2
1177	Development of lung segmentation method in x-ray images of children based on TransResUNet. Frontiers in Radiology, 0, 3, .	2.0	2
1178	Medical Image Segmentation Using Deep Learning: A Survey. Lecture Notes in Networks and Systems, 2023, , 974-983.	0.7	0

#	ARTICLE	IF	CITATIONS
1179	Comparison Performance of Deep Learning Models for Brain Tumor Segmentation Based on 2D Convolutional Neural Network. Lecture Notes in Electrical Engineering, 2023, , 333-355.	0.4	0
1180	FEGNet: A Feedback Enhancement Gate Network for Automatic Polyp Segmentation. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 3420-3430.	6.3	1
1181	U-Shiftformer: Brain Tumor Segmentation Using A Shifted Attention Mechanism. , 2023, , .		0
1182	Using a semantic edge-aware multi-task neural network to delineate agricultural parcels from remote sensing images. ISPRS Journal of Photogrammetry and Remote Sensing, 2023, 200, 24-40.	11.1	8
1183	EEvoU-Net: An ensemble of evolutionary deep fully convolutional neural networks for medical image segmentation. Applied Soft Computing Journal, 2023, 143, 110405.	7.2	3
1184	FS-GAN: Fuzzy Self-guided structure retention generative adversarial network for medical image enhancement. Information Sciences, 2023, 642, 119114.	6.9	0
1185	U-Net based Semantic Segmentation for Touchless Fingerprint Technology: A Reflective Review. , 2022, , .		0
1186	Segmentation Is Not the End of Road Extraction: An All-Visible Denoising Autoencoder for Connected and Smooth Road Reconstruction. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-18.	6.3	2
1187	FM-Unet: Biomedical image segmentation based on feedback mechanism Unet. Mathematical Biosciences and Engineering, 2023, 20, 12039-12055.	1.9	3
1188	Improving Road Segmentation by Combining Satellite Images and LiDAR Data with a Feature-Wise Fusion Strategy. Applied Sciences (Switzerland), 2023, 13, 6161.	2.5	1
1189	Design of compact off-axis freeform imaging systems based on optical-digital joint optimization. Optics Express, 2023, 31, 19491.	3.4	5
1191	Satellite images for roads using transfer learning. Measurement: Sensors, 2023, 27, 100775.	1.7	0
1192	ICUnet++: an Inception-CBAM network based on Unet++‰for MR spine image segmentation. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	0
1193	Fetal ECG extraction from maternal ECG using deeply supervised LinkNet++ model. Engineering Applications of Artificial Intelligence, 2023, 123, 106414.	8.1	2
1194	Integrated mixture model and ensemble learning geographic object-based image analysis for road network extraction. Journal of Spatial Science, 0, , 1-21.	1.5	0
1195	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
1196	Automated Cerebral Vessel Segmentation Using Deep Learning for Early Detection of Cerebrovascular Diseases. , 2023, , .		0
1197	Road Extraction from Satellite Images Using Maximum Entropy Threshold Method. , 2023, , .		0

#	Article	IF	Citations
1198	Semi-supervised learning for shale image segmentation with fast normalized cut loss. , 2023, 229, 212039.		0
1199	Automatic Skin Lesion Segmentation Based on Gated Channel Attention and Boundary-Guide Transformer. , 2023, , .		0
1200	RS-UNet: lightweight network with reflection suppression for floating objects segmentation. Signal, Image and Video Processing, 0, , .	2.7	0
1201	Dual-Task Network for Road Extraction From High-Resolution Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 66-78.	4.9	2
1202	AD-RoadNet: An Auxiliary-Decoding Road Extraction Network Improving Connectivity While Preserving Multiscale Road Details. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 8049-8062.	4.9	1
1203	Nonlinear Activation-Free Contextual Attention Network for Polyp Segmentation. Information (Switzerland), 2023, 14, 362.	2.9	0
1204	Neuro-explicit semantic segmentation of the diffusion cloud chamber. Review of Scientific Instruments, 2023, 94, .	1.3	0
1205	A Novel Multi-Scale Channel Attention-Guided Neural Network for Brain Stroke Lesion Segmentation. IEEE Access, 2023, 11, 66050-66062.	4.2	0
1206	Combining deep learning and intelligent biometry to extract ultrasound standard planes and assess early gestational weeks. European Radiology, 0, , .	4.5	0
1207	Deep Learning Multimodal Fusion for Road Network Extraction: Context and Contour Improvement. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	3.1	0
1208	Combining Images and Trajectories Data to Automatically Generate Road Networks. Remote Sensing, 2023, 15, 3343.	4.0	1
1209	Remote Sensing Semantic Segmentation via Boundary Supervision-Aided Multiscale Channelwise Cross Attention Network. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.3	4
1210	Fence detection in Amsterdam: transparent object segmentation in urban context. Frontiers in Computer Science, 0, 5, .	2.8	0
1211	Baru-Net: Surface Defects Detection of Highly Reflective Chrome-Plated Appearance Parts. Coatings, 2023, 13, 1205.	2.6	0
1212	Non-Intrusive Load Monitoring Based on Residual U-Net and Conditional Generation Adversarial Networks. IEEE Access, 2023, 11, 77441-77451.	4.2	1
1213	CFU-Net: A Coarse–Fine U-Net With Multilevel Attention for Medical Image Segmentation. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-12.	4.7	1
1214	Lumbar Spinal Canal Segmentation in Cases with Lumbar Stenosis using Deep-U-Net Ensembles. World Neurosurgery, 2023, , .	1.3	0
1215	FTMF-Net: A Fourier Transform-Multiscale Feature Fusion Network for Segmentation of Small Polyp Objects. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-15.	4.7	1

#	Article	IF	Citations
1216	Brain Tumor Segmentation from MRI Images Using Deep Learning Techniques. Communications in Computer and Information Science, 2023, , 434-448.	0.5	0
1217	Feature interaction network based on hierarchical decoupled convolution for 3D medical image segmentation. PLoS ONE, 2023, 18, e0288658.	2.5	0
1218	Lensing Reconstruction from the Cosmic Microwave Background Polarization with Machine Learning. Astrophysical Journal, 2023, 952, 15.	4.5	0
1219	SBXception: A Shallower and Broader Xception Architecture for Efficient Classification of Skin Lesions. Cancers, 2023, 15, 3604.	3.7	8
1220	Productive Crop Field Detection: A New Dataset and Deep-Learning Benchmark Results. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	3.1	0
1221	HRU-Net: High-Resolution Remote Sensing Image Road Extraction Based on Multi-Scale Fusion. Applied Sciences (Switzerland), 2023, 13, 8237.	2.5	1
1222	Multi-modal Brain Tumour Segmentation Using Transformer withÂOptimal Patch Size. Lecture Notes in Computer Science, 2023, , 195-204.	1.3	1
1223	P-TransUNet: an improved parallel network for medical image segmentation. BMC Bioinformatics, 2023, 24, .	2.6	1
1224	TERNformer: Topology-Enhanced Road Network Extraction by Exploring Local Connectivity. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-14.	6.3	1
1225	Colonoscopy Polyp Segmentation using Deep Residual U-Net with Bottleneck Attention Module. , 2023, , .		1
1226	SU-Net: pose estimation network for non-cooperative spacecraft on-orbit. Scientific Reports, 2023, 13, .	3.3	0
1227	An Iterative Semi-supervised Approach with Pixel-wise Contrastive Loss for Road Extraction in Aerial Images. ACM Transactions on Multimedia Computing, Communications and Applications, 2024, 20, 1-21.	4.3	0
1228	Ecological risks of microplastics contamination with green solutions and future perspectives. Science of the Total Environment, 2023, 899, 165688.	8.0	8
1229	Low-cost and simple optical system based onÂwavefront coding and deep learning. Applied Optics, 2023, 62, 6171.	1.8	3
1230	Recent advances in deep-learning-enhanced photoacoustic imaging. , 2023, 2, .		2
1231	Development of Debiasing Technique for Lung Nodule Chest X-ray Datasets to Generalize Deep Learning Models. Sensors, 2023, 23, 6585.	3.8	1
1232	Multi-level Residual Dual Attention Network for Major Cerebral Arteries Segmentation in MRA towards Diagnosis of Cerebrovascular Disorders. IEEE Transactions on Nanobioscience, 2023, , 1-1.	3.3	0
1233	Data Augmentation Method for Extracting Partially Occluded Roads from High Spatial Resolution Remote Sensing Images. IEEE Access, 2023, , 1-1.	4.2	0

#	Article	IF	Citations
1234	Water-Body Detection in Sentinel-1 SAR Images with DK-CO Network. Electronics (Switzerland), 2023, 12, 3163.	3.1	2
1235	Generation of Synthetic CT from CBCT using Deep Learning Approaches for Head and Neck Cancer Patients. Biomedical Physics and Engineering Express, 0, , .	1.2	0
1236	Subsurface drainage pipe detection using an ensemble learning approach and aerial images. Agricultural Water Management, 2023, 287, 108455.	5.6	1
1237	Using machine learning and satellite data from multiple sources to analyze mining, water management, and preservation of cultural heritage. Geo-Spatial Information Science, 0, , 1-20.	5.3	0
1238	MDSCâ€Net: A multiâ€scale depthwise separable convolutional neural network for skin lesion segmentation. IET Image Processing, 0, , .	2.5	0
1239	HRSF-NetNet: A High-Resolution Strong Fusion Network for Pixel-Level Classification of the Thin-Stripped Target for Remote Sensing System. IEEE Journal on Miniaturization for Air and Space Systems, 2023, , 1-1.	2.7	0
1240	TCFNet: Transformer and CNN Fusion Model for LiDAR Point Cloud Semantic Segmentation. , 2022, , .		0
1241	Anomaly Detection of Underground Transmission-Line through Multiscale Mask DCNN and Image Strengthening. Mathematics, 2023, 11, 3143.	2.2	1
1242	AS-3DFCN: Automatically Seeking 3DFCN-Based Brain Tumor Segmentation. Cognitive Computation, 0, , .	5.2	0
1243	DPSDA-Net: Dual-Path Convolutional Neural Network with Strip Dilated Attention Module for Road Extraction from High-Resolution Remote Sensing Images. Remote Sensing, 2023, 15, 3741.	4.0	0
1245	Deep learning proton beam range estimation model for quality assurance based on twoâ€dimensional scintillated light distributions in simulations. Medical Physics, 2023, 50, 7203-7213.	3.0	1
1246	Geometry-Based End-to-End Segmentation ofÂCoronary Artery inÂComputed Tomography Angiography. Lecture Notes in Computer Science, 2023, , 190-196.	1.3	0
1247	URS-Nets++â€°: unified dense residual networks with multi-headed attention layers for removal of EMI noise from CT images. Signal, Image and Video Processing, 0, , .	2.7	0
1248	Enhancing Building Segmentation in Remote Sensing Images: Advanced Multi-Scale Boundary Refinement with MBR-HRNet. Remote Sensing, 2023, 15, 3766.	4.0	3
1249	Brain Tumor Segmentation in Fluid-Attenuated Inversion Recovery Brain MRI using Residual Network Deep Learning Architectures. , 2023, , .		0
1250	MoviNet: A novel network for cross-modal map extraction by vision transformer and CNN. Knowledge-Based Systems, 2023, 278, 110890.	7.1	1
1251	Towards a Lightweight 2D U-Net for Accurate Semantic Segmentation of Kidney Tumors in Abdominal CT Images. , 2023, , .		0
1252	Î̀net: a parallel network with deeply coupled spatial and squeezed features for segmentation of medical images. Multimedia Tools and Applications, 2024, 83, 24045-24082.	3.9	2

#	Article	IF	Citations
1253	Localization and Classification of Gastrointestinal Tract Disorders Using Explainable AI from Endoscopic Images. Applied Sciences (Switzerland), 2023, 13, 9031.	2.5	1
1254	MLGNet: Multi-Task Learning Network with Attention-Guided Mechanism for Segmenting Agricultural Fields. Remote Sensing, 2023, 15, 3934.	4.0	0
1255	A Two-Stage Road Segmentation Approach forÂRemote Sensing Images. Lecture Notes in Computer Science, 2023, , 357-370.	1.3	0
1256	Brain tumor image segmentation based on prior knowledge via transformer. International Journal of Imaging Systems and Technology, 0, , .	4.1	0
1257	Automated microaneurysms detection in retinal images using SSA optimised U-NET and Bayesian optimised CNN. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2023, 11, 2530-2546.	1.9	0
1258	MCUNeXt: An Efficient U-Shaped Network for Pathology Image Segmentation. , 2023, , .		0
1259	Multi-Branch Decoding Medical Image Segmentation Based on Transformer. , 2023, , .		0
1260	MPGSE-D-LinkNet: Multiple-Parameters-Guided Squeeze-and-Excitation Integrated D-LinkNet for Road Extraction in Remote Sensing Imagery. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	3.1	0
1261	Large Dynamic Range and Anti-Fading Phase-Sensitive OTDR Using 2-D Phase Unwrapping via Neural Network. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-8.	4.7	1
1262	DELIGHT-Net: DEep and LIGHTweight network to segment Indian text at word level from wild scenic images. International Journal of Multimedia Information Retrieval, 2023, 12, .	5.2	0
1263	Road Extraction from High-Resolution Remote Sensing Images via Local and Global Context Reasoning. Remote Sensing, 2023, 15, 4177.	4.0	1
1264	Research into CUP-VISAR velocity reconstruction based on weighted DRUNet and total variation joint optimization. Optics Letters, 2023, 48, 5181.	3.3	1
1265	CA-Res2UNet++: a deep residual UNet-based method for brain tumor segmentation in multimodal MRI. , 2023, , .		0
1266	Surface Defect Detection of Highly Reflective Leather Based on Dual-Mask Guided Deep Learning Model. IEEE Transactions on Instrumentation and Measurement, 2023, , 1-1.	4.7	0
1267	Deep-Based Film Grain Removal and Synthesis. IEEE Transactions on Image Processing, 2023, 32, 5046-5059.	9.8	3
1268	MM-VTON: A Multi-stage Virtual Try-on Method Using Multiple Image Features. Communications in Computer and Information Science, 2023, , 132-146.	0.5	0
1269	Automated vehicle wheelbase measurement using computer vision and view geometry. Measurement Science and Technology, 2023, 34, 125051.	2.6	1
1271	A novel deep learning-based automatic search workflow for CO2 sequestration surrogate flow models. Fuel, 2023, 354, 129353.	6.4	1

#	Article	IF	Citations
1272	Automatic segmentation of large-scale CT image datasets for detailed body composition analysis. BMC Bioinformatics, 2023, 24, .	2.6	0
1273	UcUNet: A lightweight and precise medical image segmentation network based on efficient large kernel U-shaped convolutional module design. Knowledge-Based Systems, 2023, 278, 110868.	7.1	2
1274	Artificial Intelligence in the Image-Guided Care of Atrial Fibrillation. Life, 2023, 13, 1870.	2.4	0
1275	Seismic Internal Multiple Attenuation Based on Unsupervised Deep Learning With a Local Orthogonalization Constraint. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-9.	6.3	1
1276	<i>Trichodesmium</i> Around Australia: A View From Space. Geophysical Research Letters, 2023, 50, .	4.0	0
1277	Hybrid Approach to Colony-Forming Unit Counting Problem Using Multi-Loss U-Net Reformulation. Sensors, 2023, 23, 8337.	3.8	0
1278	EnRDeA U-Net Deep Learning of Semantic Segmentation on Intricate Noise Roads. Entropy, 2023, 25, 1085.	2.2	4
1279	Computer-aided diagnostic model for retinal vascular diseases using graph-based attention mechanism. Journal of Supercomputing, 0, , .	3.6	0
1280	A Downscaling Methodology for Extracting Photovoltaic Plants with Remote Sensing Data: From Feature Optimized Random Forest to Improved HRNet. Remote Sensing, 2023, 15, 4931.	4.0	1
1281	CDAU-Net: A Novel CoordConv-Integrated Deep Dual Cross Attention Mechanism for Enhanced Road Extraction in Remote Sensing Imagery. Remote Sensing, 2023, 15, 4914.	4.0	0
1282	Enhancing Structural Crack Detection through a Multiscale Multilevel Mask Deep Convolutional Neural Network and Line Similarity Index. International Journal of Intelligent Systems, 2023, 2023, 1-22.	5.7	0
1283	AUTOMATIC POLYP SEMANTIC SEGMENTATION USING WIRELESS CAPSULE ENDOSCOPY IMAGES WITH VARIOUS CONVOLUTIONAL NEURAL NETWORK AND OPTIMIZATION TECHNIQUES: A COMPARISON AND PERFORMANCE EVALUATION. Biomedical Engineering - Applications, Basis and Communications, 2023, 35, .	0.6	1
1284	UTRNet: High-Resolution Urdu Text Recognition inÂPrinted Documents. Lecture Notes in Computer Science, 2023, , 305-324.	1.3	0
1285	Automatic statistical diagnosis of COVID-19 based on multi-modal CT feature extraction. , 2023, 1, 100018.		0
1286	Investigation of autosegmentation techniques on T2â€weighted MRI for offâ€line dose reconstruction in MRâ€linac workflow for head and neck cancers. Medical Physics, 2024, 51, 278-291.	3.0	1
1287	DUP-Net: Double U-PoolFormer Networks for Renal Artery Segmentation in CT Urography. , 2023, , .		0
1288	Transfer Learning and Dual Attention Network Based Nuclei Segmentation in Head and Neck Digital Cancer Histology Images. , 2023, , .		0
1289	Self-Supervised and Semi-Supervised Polyp Segmentation using Synthetic Data. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
1290	Spatially Exclusive Pasting: A General Data Augmentation for the Polyp Segmentation. , 2023, , .		0
1291	CSARUNet: an attention mechanism-based model for image tampering localization with ringed residual block. , 2023, , .		0
1292	MultiIBâ€TransUNet: Transformer with multiple information bottleneck blocks for CT and ultrasound image segmentation. Medical Physics, 2024, 51, 1178-1189.	3.0	2
1293	LGNet: Location-Guided Network for Road Extraction From Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-12.	6.3	0
1294	FCD-AttResU-Net: An improved forest change detection in Sentinel-2 satellite images using attention residual U-Net. International Journal of Applied Earth Observation and Geoinformation, 2023, 122, 103453.	1.9	2
1295	Gated Stereo: Joint Depth Estimation from Gated and Wide-Baseline Active Stereo Cues. , 2023, , .		0
1296	High-Resolution 3D MRI With Deep Generative Networks via Novel Slice-Profile Transformation Super-Resolution. IEEE Access, 2023, 11, 95022-95036.	4.2	1
1298	Multi-Level Medical Image Segmentation Network Based on Multi-Scale and Context Information Fusion Strategy. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, , 1-14.	4.9	0
1299	Multi-task Residual Cross-attention Network for Tumor Segmentation and Lymph Node Metastasis Prediction in Cervical Cancer. , 2023, , .		0
1300	How Precise are Performance Estimates for Typical Medical Image Segmentation Tasks?. , 2023, , .		0
1301	Extracting 10-m Resolution Photovoltaic Landcover Using A Slightly Modified U-Net and Sentinel-2 Images. , 2023, , .		0
1302	A Densely Connected Attention Spatiotemporal U-Net for Kidney and Renal Artery Segmentation in CT Images. , 2023, , .		0
1303	Early symptom detection of basal stem rot disease in oil palm trees using a deep learning approach on UAV images. Computers and Electronics in Agriculture, 2023, 213, 108192.	7.7	1
1304	IRv2-Net: A Deep Learning Framework for Enhanced Polyp Segmentation Performance Integrating InceptionResNetV2 and UNet Architecture with Test Time Augmentation Techniques. Sensors, 2023, 23, 7724.	3.8	3
1305	SPA-UNet: A liver tumor segmentation network based on fused multi-scale features. Open Life Sciences, 2023, 18, .	1.4	0
1306	A novel image denoising algorithm combining attention mechanism and residual UNet network. Knowledge and Information Systems, 0, , .	3.2	0
1307	Swin-ResUNet+: An edge enhancement module for road extraction from remote sensing images. Computer Vision and Image Understanding, 2023, 237, 103807.	4.7	2
1308	CNN and Transformer Fusion for Remote Sensing Image Semantic Segmentation. Remote Sensing, 2023, 15, 4455.	4.0	1

#	Article	IF	Citations
1309	M3FPolypSegNet: Segmentation Network with Multi-Frequency Feature Fusion for Polyp Localization in Colonoscopy Images. , 2023, , .		0
1310	Deep Semi-Supervised Ultrasound Image Segmentation by Using a Shadow Aware Network With Boundary Refinement. IEEE Transactions on Medical Imaging, 2023, 42, 3779-3793.	8.9	0
1311	Video-SwinUNet: Spatio-temporal Deep Learning Framework for VFSS Instance Segmentation. , 2023, , .		1
1312	PolySeg Plus: Polyp Segmentation Using Deep Learning with Cost Effective Active Learning. International Journal of Computational Intelligence Systems, 2023, 16, .	2.7	0
1313	C2S-RoadNet: Road Extraction Model with Depth-Wise Separable Convolution and Self-Attention. Remote Sensing, 2023, 15, 4531.	4.0	2
1314	Privileged Modality Guided Network forÂRetinal Vessel Segmentation inÂUltra-Wide-Field Images. Lecture Notes in Computer Science, 2023, , 82-91.	1.3	0
1315	Road extraction from remote sensing images based on residual dense blocks and mixed attention mechanism. , 2023, , .		0
1316	Magnetic resonance imaging based deep-learning model: a rapid, high-performance, automated tool for testicular volume measurements. Frontiers in Medicine, 0, 10, .	2.6	0
1317	Segmentation-based context-aware enhancement network for medical images. International Journal of Machine Learning and Cybernetics, 2024, 15, 963-983.	3.6	0
1318	Pie-UNet: A Novel Parallel Interaction Encoder forÂMedical Image Segmentation. Lecture Notes in Computer Science, 2023, , 558-569.	1.3	0
1319	Masked image modeling-based boundary reconstruction for 3D medical image segmentation. Computers in Biology and Medicine, 2023, 166, 107526.	7.0	0
1320	SELD U-Net: Joint Optimization of Sound Event Localization and Detection With Noise Reduction. IEEE Access, 2023, 11, 105379-105393.	4.2	3
1321	A flexible deep learning crater detection scheme using Segment Anything Model (SAM). Icarus, 2024, 408, 115797.	2.5	4
1322	Accurate atomic scanning transmission electron microscopy analysis enabled by deep learning. Nano Research, 0, , .	10.4	0
1324	CAFE-Net: Cross-Attention and Feature Exploration Network for polyp segmentation. Expert Systems With Applications, 2024, 238, 121754.	7.6	0
1325	ACEANet: Ambiguous Context Enhanced Attention Network for skin lesion segmentation. Intelligent Data Analysis, 2023, , 1-15.	0.9	0
1326	RFE-LinkNet: LinkNet With Receptive Field Enhancement for Road Extraction From High Spatial Resolution Imagery. IEEE Access, 2023, 11, 106412-106422.	4.2	0
1328	Key information-guided networks for medical image segmentation in medical systems. Expert Systems With Applications, 2024, 238, 121851.	7.6	0

#	Article	IF	Citations
1329	Maximum Entropy onÂErroneous Predictions: Improving Model Calibration forÂMedical Image Segmentation. Lecture Notes in Computer Science, 2023, , 273-283.	1.3	1
1330	Developing Large Pre-trained Model for Breast Tumor Segmentation from Ultrasound Images. Lecture Notes in Computer Science, 2023, , 89-96.	1.3	0
1331	Topology-Preserving Automatic Labeling ofÂCoronary Arteries viaÂAnatomy-Aware Connection Classifier. Lecture Notes in Computer Science, 2023, , 759-769.	1.3	0
1333	Tumor Kidney Segmentation from CT Images Using Residual U-Net Architecture. Communications in Computer and Information Science, 2023, , 263-276.	0.5	0
1334	DeepRoadNet: A deep residual based segmentation network for road map detection from remote aerial image. IET Image Processing, 0, , .	2.5	0
1335	MC-DC: An MLP-CNN Based Dual-path Complementary Network for Medical Image Segmentation. Computer Methods and Programs in Biomedicine, 2023, 242, 107846.	4.7	1
1336	Swinv2-Imagen: hierarchical vision transformer diffusion models for text-to-image generation. Neural Computing and Applications, 0, , .	5.6	1
1337	Effects on Selective Removal of Adversarial Examples for Noisy X-ray Images. , 2023, , .		0
1338	Label-Efficient Cross-Resolution Polyp Segmentation inÂColonoscopy. Lecture Notes in Computer Science, 2023, , 11-20.	1.3	0
1339	Fully Convolutional Transformer-Based GAN for Cross-Modality CT to PET Image Synthesis. Lecture Notes in Computer Science, 2023, , 101-109.	1.3	0
1340	Contrast Learning Based Robust Framework forÂWeakly Supervised Medical Image Segmentation withÂCoarse Bounding Box Annotations. Lecture Notes in Computer Science, 2023, , 110-119.	1.3	0
1341	A Dual-Branch Network withÂMixed andÂSelf-Supervision forÂMedical Image Segmentation: An Application toÂSegment Edematous Adipose Tissue. Lecture Notes in Computer Science, 2023, , 158-167.	1.3	0
1342	Coarse-to-fine prior-guided attention network for multi-structure segmentation on dental panoramic radiographs. Physics in Medicine and Biology, 0, , .	3.0	0
1343	Extraction of Pig Farms From GaoFen Satellite Images Based on Deep Learning. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 9622-9631.	4.9	0
1344	DPENet: Dual-path extraction network based on CNN and transformer for accurate building and road extraction. International Journal of Applied Earth Observation and Geoinformation, 2023, 124, 103510.	1.9	1
1345	Where does floating Sargassum in the East China Sea come from?. Harmful Algae, 2023, 129, 102523.	4.8	1
1346	GAN inversion-based semi-supervised learning for medical image segmentation. Biomedical Signal Processing and Control, 2024, 88, 105536.	5.7	0
1347	Cervical cancer segmentation based on full-scale feature fusion with cascading-attention and dilated convolution. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
1348	Does Pre-training onÂBrain-Related Tasks Results inÂBetter Deep-Learning-Based Brain Age Biomarkers?. Lecture Notes in Computer Science, 2023, , 181-194.	1.3	0
1349	PointRendUNet: a model for fine boundary segmentation. , 2023, , .		0
1350	A Hybrid CNN-DSP Algorithm for Package Detection in Distance Maps. IEEE Access, 2023, 11, 113199-113216.	4.2	0
1351	Efficient Attention-Convolution feature extractor in semantic segmentation for autonomous driving systems. IEEE Access, 2023, , 1-1.	4.2	0
1353	Brain Tumor Detection and Localization from MRI Images Using Deep Learning Methods. , 2023, , .		0
1355	Chest X-ray image segmentation using modified U-Net3+ for diagnosis of acute respiratory distress syndrome. , 2023, , .		0
1357	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
1358	Recurrent Residual Deformable Conv Unit and Multi-Head with Channel Self-Attention Based on U-Net for Building Extraction from Remote Sensing Images. Remote Sensing, 2023, 15, 5048.	4.0	1
1359	Not Just Learning From Others but Relying on Yourself: A New Perspective on Few-Shot Segmentation in Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-21.	6.3	0
1360	Combining Lidar-Derived Metrics with Rgb-Nir Images to Improve Tree Species Classification in a Tropical Urban Area. , 2023, , .		0
1361	Graph Encoding based Hybrid Vision Transformer for Automatic Road Network Extraction. , 2023, , .		0
1362	Improving the Road Topological Relation Based on a Road Intersection Detection Method. , 2023, , .		0
1363	Knowledge Transfer and Model Compression for Misaligned Building Labels. , 2023, , .		0
1364	End-To-End Road Graph Extraction Based on Graph Neural Network. , 2023, , .		0
1365	Cyclical Learning Rate Optimization on Deep Learning Model for Brain Tumor Segmentation. IEEE Access, 2023, , 1-1.	4.2	0
1366	Densely U-Net Models for Human Embryo Segmentation. , 2023, , .		0
1367	åŸºäºŽæ"¹è¿›U-Netçš„é¥„æ„Ÿå›¾åƒé˜"è·¯æå–. Laser and Optoelectronics Progress, 2023, 60, 1628004.	0.6	1
1368	LGI Net: Enhancing local-global information interaction for medical image segmentation. Computers in Biology and Medicine, 2023, 167, 107627.	7.0	0

#	ARTICLE	IF	CITATIONS
1369	Fine-Grained Building Extraction With Multispectral Remote Sensing Imagery Using the Deep Model. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-13.	6.3	0
1370	D-FusionNet: road extraction from remote sensing images using dilated convolutional block. GIScience and Remote Sensing, 2023, 60, .	5.9	1
1372	Data-driven estimation of scalar quantities from planar velocity measurements by deep learning applied to temperature in thermal convection. Experiments in Fluids, 2023, 64, .	2.4	0
1373	MANet: a multi-attention network for automatic liver tumor segmentation in computed tomography (CT) imaging. Scientific Reports, 2023, 13, .	3.3	1
1374	Mapping Industrial Influences on Earth's Ecology. Annual Review of Environment and Resources, 2023, 48, 289-317.	13.4	0
1375	DBU-Net: Dual branch U-Net for tumor segmentation in breast ultrasound images. PLoS ONE, 2023, 18, e0293615.	2.5	1
1376	Lightning Nowcasting Using Solely Lightning Data. Atmosphere, 2023, 14, 1713.	2.3	0
1377	Keeping walls straight: data model and training set size matter for deep learning in building generalization. Cartography and Geographic Information Science, 2024, 51, 130-145.	3.0	1
1378	DGD-cGAN: A dual generator for image dewatering and restoration. Pattern Recognition, 2024, 148, 110159.	8.1	0
1379	Multi-path Feature Fusion and Channel Feature Pyramid for Brain Tumor Segmentation in MRI. Lecture Notes in Computer Science, 2023, , 26-36.	1.3	0
1380	Residual shape adaptive dense-nested Unet: Redesign the long lateral skip connections for metal surface tiny defect inspection. Pattern Recognition, 2024, 147, 110073.	8.1	1
1381	A Neural Network Model withÂtheÂRinged Residual Block andÂAttention Mechanism forÂImage Forgery Localization. Lecture Notes in Computer Science, 2023, , 99-110.	1.3	0
1382	Deep Learning-Based Semantic Segmentation for Remote Sensing: A Bibliometric Literature Review. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, , 1-31.	4.9	0
1383	3D Shape Analysis ofÂScoliosis. Lecture Notes in Computer Science, 2023, , 271-286.	1.3	0
1384	Condition control training-based ConVMLP-ResU-Net for semantic segmentation of esophageal cancer in 18F-FDG PET/CT images. Physical and Engineering Sciences in Medicine, 2023, 46, 1643-1658.	2.4	0
1385	DFC-UNet: A U-Net-Based Method for Road Extraction From Remote Sensing Images Using Densely Connected Features. IEEE Geoscience and Remote Sensing Letters, 2024, 21, 1-5.	3.1	0
1386	Simultaneous Hip Implant Segmentation and Gruen Landmarks Detection. IEEE Journal of Biomedical and Health Informatics, 2023, , 1-11.	6.3	0
1387	Semi-supervised point consistency network for retinal artery/vein classification. Computers in Biology and Medicine, 2024, 168, 107633.	7.0	0

#	ARTICLE	IF	CITATIONS
1388	A comprehensive segmentation of chest X-ray improves deep learning–based WHO radiologically confirmed pneumonia diagnosis in children. European Radiology, 0, , .	4.5	0
1389	Efficient Left Ventricle Segmentation in 3D Echocardiography using Deep nnU-Net. , 2023, , .		0
1390	Filter pruning for convolutional neural networks in semantic image segmentation. Neural Networks, 2024, 169, 713-732.	5.9	1
1391	Hyperspectral imaging through scattering media via physics-informed learning. Optics and Laser Technology, 2024, 170, 110299.	4.6	0
1392	TransDoubleU-Net: Dual Scale Swin Transformer With Dual Level Decoder for 3D Multimodal Brain Tumor Segmentation. IEEE Access, 2023, 11, 125511-125518.	4.2	0
1393	Comparative Evaluation of State-of-the-Art Semantic Segmentation Networks for Long-Term Landslide Map Production. Sensors, 2023, 23, 9041.	3.8	1
1394	A multi-branched semantic segmentation network based on twisted information sharing pattern for medical images. Computer Methods and Programs in Biomedicine, 2024, 243, 107914.	4.7	1
1395	DRCNet: Road Extraction From Remote Sensing Images Using DenseNet With Recurrent Criss-Cross Attention and Convolutional Block Attention Module. IEEE Access, 2023, 11, 126879-126891.	4.2	0
1396	3-D Attention-SEV-Net for Segmentation of Post-operative Glioblastoma with Interactive Correction of Over-Segmentation. Lecture Notes in Computer Science, 2023, , 380-387.	1.3	0
1397	Rapid simulations of atmospheric data assimilation of hourly-scale phenomena with modern neural networks. , 2023, , .		0
1398	CT-Net: Asymmetric compound branch Transformer for medical image segmentation. Neural Networks, 2024, 170, 298-311.	5.9	1
1399	Channel Attention Separable Convolution Network for Skin Lesion Segmentation. Lecture Notes in Computer Science, 2024, , 385-398.	1.3	0
1400	Dual-Branch U-Net Architecture for Retinal Lesions Segmentation on Fundus Image. IEEE Access, 2023, 11, 130451-130465.	4.2	1
1402	Image Segmentation of Fiducial Marks with Complex Backgrounds Based on the mARU-Net. Sensors, 2023, 23, 9347.	3.8	0
1403	LM-Net: A light-weight and multi-scale network for medical image segmentation. Computers in Biology and Medicine, 2024, 168, 107717.	7.0	0
1404	CAT-Seg: cascaded medical assistive tool integrating residual attention mechanisms and Squeeze-Net for 3D MRI biventricular segmentation. Physical and Engineering Sciences in Medicine, 0, , .	2.4	1
1405	Unfolded deep kernel estimation-attention UNet-based retinal image segmentation. Scientific Reports, 2023, 13, .	3.3	0
1406	Automatic extraction of non-bifurcated lunar lineaments from Lunar Reconnaissance Orbiter (LRO) monochromatic images based on a Markov chain method. International Journal of Image and Data Fusion, 0, , 1-12.	1.7	0

#	ARTICLE	IF	CITATIONS
1407	Road Extraction From Satellite Images Using Attention-Assisted UNet. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 1126-1136.	4.9	0
1408	Segment-based and Patient-based Segmentation of CTPA Image in Pulmonary Embolism using CBAM ResU-Net. , 2023, , .		0
1409	å…‰å£°è®¡ç—å±,æžæˆ'ƒä,çš,çš®è,æ™ºèƒ½åŽ»é™¤æ—¹æ³•. Zhongguo Jiguang/Chinese Journal of Lasers, 2023, 50, 2107011.	1.5	0
1410	Tumor Segmentation Algorithm for Liver CT Images Based on Generative Adversarial Networks. , 2023, , .		0
1411	Smartphone Fundus Photography Enhancement for Retinopathy of Prematurity Disease Diagnosis Using Deep Learning. , 2023, , .		0
1413	Frequency-aware robust multidimensional information fusion framework for remote sensing image segmentation. Engineering Applications of Artificial Intelligence, 2024, 129, 107638.	8.1	0
1414	A deep learning approach to satellite image time series coregistration through alignment of road networks. Neural Computing and Applications, 2024, 36, 3583-3593.	5.6	0
1415	DFBU-Net: Double-branch flat bottom U-Net for efficient medical image segmentation. Biomedical Signal Processing and Control, 2024, 90, 105818.	5.7	1
1416	A Deep Learning-Based Indoor Radio Estimation Method Driven by 2.4 GHz Ray-Tracing Data. IEEE Access, 2023, 11, 138215-138228.	4.2	0
1417	Neighbored-attention U-net (NAU-net) for diabetic retinopathy image segmentation. Frontiers in Medicine, 0, 10, .	2.6	0
1418	Generalizable synthetic MRI with physics†informed convolutional networks. Medical Physics, 0, , .	3.0	0
1419	Detection of Changes in Buildings in Remote Sensing Images via Self-Supervised Contrastive Pre-Training and Historical Geographic Information System Vector Maps. Remote Sensing, 2023, 15, 5670.	4.0	0
1420	Lazy Labels for Chicken Segmentation. Procedia Computer Science, 2023, 225, 2664-2673.	2.0	0
1421	Deep network with double reuses and convolutional shortcuts. IET Computer Vision, 0, , .	2.0	0
1422	Mask-guided deep learning fishing net detection and recognition based on underwater range gated laser imaging. Optics and Laser Technology, 2024, 171, 110402.	4.6	0
1423	Multi-Loss U-Net Reformulation as an Efficient Solution to the Colony-Forming Unit Counting Problem. , 2023, , .		0
1424	Gaofen-2 satellite image-based characterization of urban villages using multiple convolutional neural networks. International Journal of Remote Sensing, 2023, 44, 7808-7826.	2.9	0
1425	Deep learning downscaled high-resolution daily near surface meteorological datasets over East Asia. Scientific Data, 2023, 10, .	5.3	0

#	Article	IF	Citations
1426	Decadal forest cover change analysis of the tropical forest of Tadoba-Andhari, India. Signal, Image and Video Processing, 2024, 18, 1705-1714.	2.7	0
1427	Individual tooth segmentation in human teeth images using pseudo edge-region obtained by deep neural networks. Signal Processing: Image Communication, 2024, 120, 117076.	3.2	0
1428	SRP&PASMLPâ€Net: Lightweight skin lesion segmentation network based on structural reâ€parameterization and parallel axial shift multilayer perceptron. International Journal of Imaging Systems and Technology, 2024, 34, .	4.1	0
1429	Geometric Boundary Guided Feature Fusion and Spatial-Semantic Context Aggregation for Semantic Segmentation of Remote Sensing Images. IEEE Transactions on Image Processing, 2023, 32, 6373-6385.	9.8	1
1430	A Fish Image Segmentation Method Based on Image Enhancement and U^2-Net. , 2022, , .		0
1431	mResU-Net: multi-scale residual U-Net-based brain tumor segmentation from multimodal MRI. Medical and Biological Engineering and Computing, 2024, 62, 641-651.	2.8	0
1432	Dual-Path Residual Attention Convolution Networks for Color-Embedded-Grayscale Image. , 2023, , .		0
1433	CoA-DLinkNet: Connectivity-Enhanced Dual-Branch Road Extraction Network Based on D-LinkNet. , 2023, , .		0
1434	A Few-Shot Attention Recurrent Residual U-Net for Crack Segmentation. Lecture Notes in Computer Science, 2023, , 199-209.	1.3	1
1435	Weakly-supervised learning based automatic augmentation of aerial insulator images. Expert Systems With Applications, 2024, 242, 122739.	7.6	0
1437	PE-Net: a parallel framework for 3D inferior mesenteric artery segmentation. Frontiers in Physiology, 0, 14, .	2.8	0
1438	TransResU-Net: A Transformer based ResU-Net for Real-Time Colon Polyp Segmentation. , 2023, , .		4
1439	Multi-Source Fusion for Voxel-Based 7-DoF Grasping Pose Estimation. , 2023, , .		0
1440	Deep Learning Architecture U-Net Based Road Network Detection from Remote Sensing Images. International Journal of Next-generation Computing, 0, , .	1.1	0
1441	A two-stage neural network recovering phase from a single-frame phase-shifted hologram. , 2023, , .		0
1442	Force Map: Learning to Predict Contact Force Distribution from Vision. , 2023, , .		0
1443	Pancreatic cancer pathology image segmentation with channel and spatial long-range dependencies. Computers in Biology and Medicine, 2024, 169, 107844.	7.0	2
1444	STA-Former: enhancing medical image segmentation with Shrinkage Triplet Attention in a hybrid CNN-Transformer model. Signal, Image and Video Processing, 2024, 18, 1901-1910.	2.7	0

#	ARTICLE	IF	CITATIONS
1445	Lung CT image segmentation based on improved ResUnet. , 2023, , .		0
1446	ASE-Net for Segmentation of Post-Operative Glioblastoma and Patient-Specific Fine-Tuning for Segmentation Refinement of Follow-Up MRI Scans. SN Computer Science, 2024, 5, .	3.6	0
1447	Hybrid-Fusion Transformer for Multisequence MRI. Lecture Notes in Electrical Engineering, 2023, , 477-487.	0.4	1
1448	U-Net##: A Powerful Novel Architecture for Medical Image Segmentation. Lecture Notes in Electrical Engineering, 2023, , 231-241.	0.4	0
1449	Ice floe segmentation and floe size distribution in airborne and high-resolution optical satellite images: towards an automated labelling deep learning approach. Cryosphere, 2023, 17, 5519-5537.	3.9	0
1450	PolyDSS: computer-aided decision support system for multiclass polyp segmentation and classification using deep learning. Neural Computing and Applications, 2024, 36, 5031-5057.	5.6	0
1451	U-Net Utilization on segmentation of Aerial Captured Images. , 2023, , .		0
1452	Semi-supervised Retinal Vessel Segmentation Through Point Consistency. Lecture Notes in Computer Science, 2024, , 149-161.	1.3	0
1453	RAU-Net-Based Imaging Method for Spatial-Variant Correction and Denoising in Multiple-Input Multiple-Output Radar. Remote Sensing, 2024, 16, 80.	4.0	0
1454	UAM-Net: An Attention-Based Multi-level Feature Fusion UNet forÂRemote Sensing Image Segmentation. Lecture Notes in Computer Science, 2024, , 267-278.	1.3	0
1455	FlowgateUNet: Dental CT image segmentation network based on FlowFormer and gated attention. Signal, Image and Video Processing, 2024, 18, 1175-1182.	2.7	0
1456	mid-DeepLabv3 : A Novel Approach for Image Semantic Segmentation Applied to African Food Dietary Assessments+. Sensors, 2024, 24, 209.	3.8	0
1457	Breast Cancer Segmentation From Ultrasound Images Using Deep Dual-Decoder Technology With Attention Network. IEEE Access, 2024, 12, 10087-10101.	4.2	0
1458	BD-SKUNet: Selective-Kernel UNets for Building Damage Assessment in High-Resolution Satellite Images. Remote Sensing, 2024, 16, 182.	4.0	1
1459	Road-MobileSeg: Lightweight and Accurate Road Extraction Model from Remote Sensing Images for Mobile Devices. Sensors, 2024, 24, 531.	3.8	0
1460	AGF-Net: Adaptive Road Extraction Network with Global Feature Fusion. , 2023, , .		0
1461	Research on Abdominal Ultrasound Image Segmentation Method Based on Deep Learning. , 2023, , .		0
1463	CTDS-Net:CNN-Transformer Fusion Network for Dermoscopic Image Segmentation. , 2023, , .		0

#	Article	IF	Citations
1464	Full Spatial Muscle Fiber Orientation Estimation From Ultrasound Images Using a Multitask Deformable Residual Neural Network. , 2023, , .		0
1465	Research progress on medical ultrasound image segmentation algorithms. , 0, , .		0
1466	Shape-margin knowledge augmented network for thyroid nodule segmentation and diagnosis. Computer Methods and Programs in Biomedicine, 2024, 244, 107999.	4.7	0
1467	Physics-based supervised learning method for high dynamic range 3D measurement with high fidelity. Optics Letters, 2024, 49, 602.	3.3	0
1468	Investigations on extraction of buildings from RS imagery using deep learning models. International Journal of Remote Sensing, 2024, 45, 68-100.	2.9	0
1470	AI powered road network prediction with fused low-resolution satellite imagery and GPS trajectory. Earth Science Informatics, 2024, 17, 1013-1029.	3.2	0
1471	FCTformer: Fusing Convolutional Operations and Transformer for 3D Rectal Tumor Segmentation in MR Images. IEEE Access, 2024, 12, 4812-4824.	4.2	0
1473	Early Mapping Method for Different Planting Types of Rice Based on Planet and Sentinel-2 Satellite Images. Agronomy, 2024, 14, 137.	3.0	0
1474	Predicting Wind Comfort in an Urban Area: A Comparison of a Regression- with a Classification-CNN for General Wind Rose Statistics. Machine Learning and Knowledge Extraction, 2024, 6, 98-125.	5.0	1
1475	A Deep Learning-Based Fully Automated Pipeline for Regurgitant Mitral Valve Anatomy Analysis From 3D Echocardiography. IEEE Access, 2024, 12, 5295-5308.	4.2	0
1476	Image segmentation of mouse eye <i>in vivo</i> with optical coherence tomography based on Bayesian classification. Biomedizinische Technik, 2024, .	0.8	0
1477	Abundance of trace fossil Phycosiphon incertum in core sections measured using a convolutional neural network. Sedimentary Geology, 2024, 461, 106570.	2.1	0
1478	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
1479	Vision based crop row navigation under varying field conditions in arable fields. Computers and Electronics in Agriculture, 2024, 217, 108581.	7.7	0
1480	MSLandslide: A MultiSource Segmentation For Remote Sensing Landslide Images. , 2023, , .		0
1481	Adaptively Enhancing Facial Expression Crucial Regions via a Local Non-local Joint Network. , 2024, 21, 331-348.		0
1483	SEA-NET: medical image segmentation network based on spiral squeeze-and-excitation and attention modules. BMC Medical Imaging, 2024, 24, .	2.7	0
1484	MCNMF-Unet: a mixture Conv-MLP network with multi-scale features fusion Unet for medical image segmentation. PeerJ Computer Science, 0, 10, e1798.	4.5	0

#	ARTICLE	IF	CITATIONS
1485	High-resolution temporal gravity field data products: Monthly mass grids and spherical harmonics from 1994 to 2021. Scientific Data, 2024, 11, .	5.3	0
1486	XNet: Wavelet-Based Low and High Frequency Fusion Networks for Fully- and Semi-Supervised Semantic Segmentation of Biomedical Images. , 2023, , .		0
1487	Handwritten and Printed Text Segmentation: A Signature Case Study. , 2023, , .		0
1488	Unsupervised CD in Satellite Image Time Series by Contrastive Learning and Feature Tracking. IEEE Transactions on Geoscience and Remote Sensing, 2024, 62, 1-13.	6.3	0
1489	Dual convolutional network based on hypergraph and multilevel feature fusion for road extraction from high-resolution remote sensing images. International Journal of Digital Earth, 2024, 17, .	3.9	0
1490	ConTNet: cross attention convolution and transformer for aneurysm image segmentation. , 2023, , .		0
1491	Bézier Curves Meet Deep Learning: A Novel Pretraining Method for Improved and Generalized Retinal Vessel Segmentation. , 2023, , .		0
1492	Medical Image Segmentation Using Dual Branch Networks with Embedded Attention Mechanism. , 2023, , .		0
1493	Intelligent healthcare system for IoMT-integrated sonography: Leveraging multi-scale self-guided attention networks and dynamic self-distillation. Internet of Things (Netherlands), 2024, 25, 101065.	7.7	1
1494	Long Short & Attention U-Nets: Deep Learning-Based Models for Building Cracks Identification. Lecture Notes in Civil Engineering, 2024, , 119-130.	0.4	0
1495	Artificial intelligence (AI) enhanced finite element multiscale modeling and structural uncertainty analysis of a functionally graded porous beam. , 2024, , 251-269.		0
1496	Assessing generalisability of deep learning-based polyp detection and segmentation methods through a computer vision challenge. Scientific Reports, 2024, 14, .	3.3	0
1497	A Temporal Downscaling Model for Gridded Geophysical Data with Enhanced Residual U-Net. Remote Sensing, 2024, 16, 442.	4.0	0
1498	Semantic Segmentation of Endoscopic Images using Transformers â€" Towards Trading off Dice and Precision. , 2023, , .		0
1500	Scenario Generation of Renewable Energy Based on Improved Diffusion Model. , 2023, , .		0
1501	Geolocalization from Aerial Sensing Images Using Road Network Alignment. Remote Sensing, 2024, 16, 482.	4.0	0
1502	Neural deformation fields for template-based reconstruction of cortical surfaces from MRI. Medical Image Analysis, 2024, 93, 103093.	11.6	0
1503	Advances in Methane Emission Estimation in Livestock: A Review of Data Collection Methods, Model Development and the Role of AI Technologies. Animals, 2024, 14, 435.	2.3	2

#	Article	IF	Citations
1504	A U-net segmentation model for predicting free convection over confined isothermal tubes. International Communications in Heat and Mass Transfer, 2024, 152, 107271.	5.6	0
1505	Integrated Framework for Unsupervised Building Segmentation with Segment Anything Model-Based Pseudo-Labeling and Weakly Supervised Learning. Remote Sensing, 2024, 16, 526.	4.0	0
1506	Water-Body Type Classification in Dual PolSAR Imagery Using a Two-Step Deep-Learning Method. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2024, 17, 4966-4985.	4.9	0
1507	DIM-UNet: Boosting medical image segmentation via diffusion models and information bottleneck theory mixed with MLP. Biomedical Signal Processing and Control, 2024, 91, 106026.	5.7	0
1508	Deep-NFA: A deep a contrario framework for tiny object detection. Pattern Recognition, 2024, 150, 110312.	8.1	0
1509	SWCARE: Switchable learning and connectivity-aware refinement method for multi-city and diverse-scenario road mapping using remote sensing images. International Journal of Applied Earth Observation and Geoinformation, 2024, 127, 103665.	1.9	0
1510	Experimenting FedML andÂNVFLARE forÂFederated Tumor Segmentation Challenge. Lecture Notes in Computer Science, 2023, , 228-240.	1.3	0
1511	Adaptive Polyp Segmentation Method Based on Phase Sensing Mixing. , 2023, , .		0
1512	RoadCT: A Hybrid CNN-Transformer Network for Road Extraction From Satellite Imagery. IEEE Geoscience and Remote Sensing Letters, 2024, 21, 1-5.	3.1	0
1513	Improving urban tree species classification by deep-learning based fusion of digital aerial images and LiDAR. Urban Forestry and Urban Greening, 2024, 94, 128240.	5.3	0
1514	Design and development of artificial intelligenceâ€based application programming interface for early detection and diagnosis of colorectal cancer from wireless capsule endoscopy images. International Journal of Imaging Systems and Technology, 2024, 34, .	4.1	0
1515	MPFC-Net: A multi-perspective feature compensation network for medical image segmentation. Expert Systems With Applications, 2024, 248, 123430.	7.6	0
1516	Topology-aware Road Extraction via Multi-task Learning for Autonomous Driving. , 2023, , .		0
1517	SAEFormer: stepwise attention emphasis transformer for polyp segmentation. Multimedia Tools and Applications, 0, , .	3.9	0
1518	CoSim: A Co-Simulation Framework for Testing Autonomous Vehicles in Adverse Operating Conditions. , 2023, , .		0
1519	RTNet: a residual t-shaped network for medical image segmentation. Multimedia Tools and Applications, 0, , .	3.9	0
1520	UDRSNet: An unsupervised deformable registration module based on image structure similarity. Medical Physics, 0, , .	3.0	0
1521	CSCA U-Net: A channel and space compound attention CNN for medical image segmentation. Artificial Intelligence in Medicine, 2024, 150, 102800.	6.5	0

#	ARTICLE	IF	CITATIONS
1522	Multi-branch residual image semantic segmentation combined with inverse weight gated-control. Image and Vision Computing, 2024, 143, 104932.	4.5	0
1523	AFANet: Adaptive feature aggregation for polyp segmentation. Medical Engineering and Physics, 2024, 125, 104118.	1.7	0
1524	Face Image Reconstruction: Removing the Mask of the Face Image Using U-Net Architecture. , 2023, , .		0
1525	A knowledge-based data-driven (KBDD) framework for all-day identification of cloud types using satellite remote sensing. Remote Sensing of Environment, 2024, 304, 114054.	11.0	0
1526	SRSegNet: Super-resolution-assisted small targets polyp segmentation network with combined high and low resolution. Journal of King Saud University - Computer and Information Sciences, 2024, 36, 101981.	3.9	0
1527	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
1528	Non-orthogonal optical multiplexing empowered by deep learning. Nature Communications, 2024, 15, .	12.8	0
1529	Generating Land Cover Maps in Semi-arid Regions Based on a 3D Semantic Segmentation Architecture Using Multi-temporal Sentinel-2 Satellite Images: A Case Study of Ludhiana District in Punjab, India. Journal of the Indian Society of Remote Sensing, 2024, 52, 383-398.	2.4	0
1531	Multiple Skin Lesions Diagnostics Using Cascaded Deep Convolutional Networks. , 2023, , .		0
1532	MTC-Net: Multi-scale feature fusion network for medical image segmentation. Journal of Intelligent and Fuzzy Systems, 2024, 46, 8729-8740.	1.4	0
1533	A comparison of art style transfer in Cycle-GAN based on different generators. Journal of Physics: Conference Series, 2024, 2711, 012006.	0.4	0
1534	U-TranSvision: Transformer-based deep supervision approach for COVID-19 lesion segmentation on Computed Tomography images. Biomedical Signal Processing and Control, 2024, 93, 106167.	5.7	0
1535	Extraction of Roads from Satellite Images Using U-Net-Based Semantic Segmentation Architecture. , 2023, , .		0
1536	Multi-Scale Feature Fusion Attention Network for Building Extraction in Remote Sensing Images. Electronics (Switzerland), 2024, 13, 923.	3.1	0
1537	Mapping Remote Roads Using Artificial Intelligence and Satellite Imagery. Remote Sensing, 2024, 16, 839.	4.0	0
1538	Enhancing medical image segmentation with a multi-transformer U-Net. PeerJ, 0, 12, e17005.	2.0	0
1539	A self-supervised network for image denoising and watermark removal. Neural Networks, 2024, 174, 106218.	5.9	0
1540	CRMEFNet: A coupled refinement, multiscale exploration and fusion network for medical image segmentation. Computers in Biology and Medicine, 2024, 171, 108202.	7.0	0

#	Article	IF	Citations
1541	Data reweighting net for web fine-grained image classification. Multimedia Tools and Applications, 0, , .	3.9	0
1542	Automatic segmentation of leukocytes images using deep learning. Signal, Image and Video Processing, 0, , .	2.7	0
1543	AGF-Net: adaptive global feature fusion network for road extraction from remote-sensing images. Complex & Intelligent Systems, 0, , .	6.5	0
1544	Road Network Extraction Using Multi-path Cascade Convolution Neural Network from Remote Sensing Images. Journal of the Indian Society of Remote Sensing, 2024, 52, 525-541.	2.4	0
1545	Resolving engineering challenges: Deep learning in frequency domain for 3D inverse identification of heterogeneous composite properties. Composites Part B: Engineering, 2024, 276, 111353.	12.0	0
1546	Learning a physics-based filter attachment for hyperspectral imaging with RGB cameras. Neurocomputing, 2024, 580, 127474.	5.9	0
1547	Spatial deformable transformer for 3D point cloud registration. Scientific Reports, 2024, 14, .	3.3	0
1548	Towards clinically applicable automated mandibular canal segmentation on CBCT. Journal of Dentistry, 2024, 144, 104931.	4.1	0
1550	CSAP-UNet: Convolution and self-attention paralleling network for medical image segmentation with edge enhancement. Computers in Biology and Medicine, 2024, 172, 108265.	7.0	0
1551	A new segmentation algorithm for peripapillary atrophy and optic disk from ultra-widefield Photographs. Computers in Biology and Medicine, 2024, 172, 108281.	7.0	0
1552	U-SeqNet: learning spatiotemporal mapping relationships for multimodal multitemporal cloud removal. GIScience and Remote Sensing, 2024, 61, .	5.9	0
1553	Sparse Dynamic Volume TransUNet with multi-level edge fusion for brain tumor segmentation. Computers in Biology and Medicine, 2024, 172, 108284.	7.0	0
1554	Damage detection of road domain waveform guardrail structure based on machine learning multi-module fusion. PLoS ONE, 2024, 19, e0299116.	2.5	0
1555	EfficientPolypSeg: Efficient Polyp Segmentation in colonoscopy images using EfficientNet-B5 with dilated blocks and attention mechanisms. Biomedical Signal Processing and Control, 2024, 93, 106210.	5.7	0
1556	Comprehensive 3D Analysis of the Renal System and Stones: Segmenting and Registering Non-Contrast and Contrast Computed Tomography Images. Information Systems Frontiers, 0, , .	6.4	0
1557	Automatic skin lesion segmentation using attention residual U-Net with improved encoder-decoder architecture. Multimedia Tools and Applications, 0, , .	3.9	0
1558	Extraction of Forest Road Information from CubeSat Imagery Using Convolutional Neural Networks. Remote Sensing, 2024, 16, 1083.	4.0	0
1559	Semantic-Based Optimization of Deep Learning for Efficient Real-Time Medical Image Segmentation. International Journal on Semantic Web and Information Systems, 2024, 20, 1-16.	5.1	0

#	Article	IF	Citations
1560	Efficient Brain Tumor Segmentation with Lightweight Separable Spatial Convolutional Network. ACM Transactions on Multimedia Computing, Communications and Applications, 0, , .	4.3	0
1561	RSAFormer: A method of polyp segmentation with region self-attention transformer. Computers in Biology and Medicine, 2024, 172, 108268.	7.0	0
1562	SCOPE: Structural Continuity Preservation forÂRetinal Vessel Segmentation. Lecture Notes in Computer Science, 2024, , 3-13.	1.3	0
1563	A review of remote sensing image segmentation by deep learning methods. International Journal of Digital Earth, 2024, 17, .	3.9	0
1564	An Extensive Investigation into the Use of Machine Learning Tools and Deep Neural Networks for the Recognition of Skin Cancer: Challenges, Future Directions, and a Comprehensive Review. Symmetry, 2024, 16, 366.	2.2	0
1566	Accurate semantic segmentation of small-body craters for navigation. Acta Astronautica, 2024, 219, 183-194.	3.2	0