

Grad-CAM: Visual Explanations from Deep Networks vi

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Analyzing Regional Food Trends with Geo-tagged Twitter Food Photos. , 2019, , .		1
2	Detection of anaemia from retinal fundus images via deep learning. Nature Biomedical Engineering, 2020, 4, 18-27.	11.6	130
3	Intelligent diagnosis of gastric intestinal metaplasia based on convolutional neural network and limited number of endoscopic images. Computers in Biology and Medicine, 2020, 126, 104026.	3.9	31
4	Detecting Large Vessel Occlusion at Multiphase CT Angiography by Using a Deep Convolutional Neural Network. Radiology, 2020, 297, 640-649.	3.6	48
5	Comparison of Convolutional Neural Network Models for Determination of Vocal Fold Normality in Laryngoscopic Images. Journal of Voice, 2022, 36, 590-598.	0.6	22
6	Knowledge Based Versus Data Based. Neuroimaging Clinics of North America, 2020, 30, 401-415.	0.5	6
7	Arctic Vision: Using Neural Networks for Ice Object Classification, and Controlling How They Fail. Journal of Marine Science and Engineering, 2020, 8, 770.	1.2	6
8	Issues associated with deploying CNN transfer learning to detect COVID-19 from chest X-rays. Physical and Engineering Sciences in Medicine, 2020, 43, 1289-1303.	1.3	36
9	Artificial Intelligence-Based Multiclass Classification of Benign or Malignant Mucosal Lesions of the Stomach. Frontiers in Pharmacology, 2020, 11, 572372.	1.6	15
10	Multi-event classification for $\hat{\Gamma}$ -OTDR distributed optical fiber sensing system using deep learning and support vector machine. Optik, 2020, 221, 165373.	1.4	24
11	Fast Texture Synthesis for Discrete Example-Based Elements. IEEE Access, 2020, 8, 76683-76691.	2.6	4
12	Deep Learning for Osteoporosis Classification Using Hip Radiographs and Patient Clinical Covariates. Biomolecules, 2020, 10, 1534.	1.8	72
13	Deep Learning for Prediction and Optimization of Fast-Flow Peptide Synthesis. ACS Central Science, 2020, 6, 2277-2286.	5.3	31
14	A narrative review of digital pathology and artificial intelligence: focusing on lung cancer. Translational Lung Cancer Research, 2020, 9, 2255-2276.	1.3	59
15	Live Trojan Attacks on Deep Neural Networks. , 2020, , .		13
16	AutoAudio: Deep Learning for Automatic Audiogram Interpretation. Journal of Medical Systems, 2020, 44, 163.	2.2	7
17	Automatic distinction between COVID-19 and common pneumonia using multi-scale convolutional neural network on chest CT scans. Chaos, Solitons and Fractals, 2020, 140, 110153.	2.5	92
18	HyCAD-OCT: A Hybrid Computer-Aided Diagnosis of Retinopathy by Optical Coherence Tomography Integrating Machine Learning and Feature Maps Localization. Applied Sciences (Switzerland), 2020, 10, 4716.	1.3	21

#	ARTICLE	IF	CITATIONS
19	Deep learning-based classification of the mouse estrous cycle stages. <i>Scientific Reports</i> , 2020, 10, 11714.	1.6	11
20	Accelerating ophthalmic artificial intelligence research: the role of an open access data repository. <i>Current Opinion in Ophthalmology</i> , 2020, 31, 337-350.	1.3	18
21	Artificial intelligence for the detection of COVID-19 pneumonia on chest CT using multinational datasets. <i>Nature Communications</i> , 2020, 11, 4080.	5.8	405
22	Online Multiple Object Tracking Using Rule Distillated Siamese Random Forest. <i>IEEE Access</i> , 2020, 8, 182828-182841.	2.6	14
23	Review Study of Interpretation Methods for Future Interpretable Machine Learning. <i>IEEE Access</i> , 2020, 8, 191969-191985.	2.6	56
24	Automated Seismic Source Characterization Using Deep Graph Neural Networks. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088690.	1.5	71
25	End-to-End Deep Diagnosis of X-ray Images. , 2020, 2020, 2182-2185.		6
26	Evaluation of Hemodialysis Arteriovenous Bruit by Deep Learning. <i>Sensors</i> , 2020, 20, 4852.	2.1	11
27	Deep Convolutional Generative Adversarial Network With Autoencoder for Semisupervised SAR Image Classification. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	5
28	Blind First-Order Perspective Distortion Correction Using Parallel Convolutional Neural Networks. <i>Sensors</i> , 2020, 20, 4898.	2.1	4
29	A CNN CADx System for Multimodal Classification of Colorectal Polyps Combining WL, BLI, and LCI Modalities. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5040.	1.3	17
30	COVID-19 Deep Learning Prediction Model Using Publicly Available Radiologist-Adjudicated Chest X-Ray Images as Training Data: Preliminary Findings. <i>International Journal of Biomedical Imaging</i> , 2020, 2020, 1-7.	3.0	108
31	Detection of features associated with neovascular age-related macular degeneration in ethnically distinct data sets by an optical coherence tomography: trained deep learning algorithm. <i>British Journal of Ophthalmology</i> , 2021, 105, 1133-1139.	2.1	23
32	A Novel Multi-Branch Channel Expansion Network for Garbage Image Classification. <i>IEEE Access</i> , 2020, 8, 154436-154452.	2.6	34
33	Analysis of identifying COVID-19 with deep learning model. <i>Journal of Physics: Conference Series</i> , 2020, 1601, 052021.	0.3	2
34	Differential Privacy Practice on Diagnosis of COVID-19 Radiology Imaging Using EfficientNet. , 2020, , .		10
35	Random forest machine learning models for interpretable X-ray absorption near-edge structure spectrum-property relationships. <i>Npj Computational Materials</i> , 2020, 6, .	3.5	94
36	Branch Feature Fusion Convolution Network for Remote Sensing Scene Classification. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 5194-5210.	2.3	51

#	ARTICLE	IF	CITATIONS
37	A Metric to Compare Pixel-Wise Interpretation Methods for Neural Networks. IEEE Access, 2020, 8, 221433-221441.	2.6	1
38	Heatmap-Aware Low-Cost Design to Resist Adversarial Attacks: Work-in-Progress. , 2020, , .		0
39	Deep feature learning of in-cylinder flow fields to analyze cycle-to-cycle variations in an SI engine. International Journal of Engine Research, 2020, , 146808742097414.	1.4	15
40	A New Video-Based Crash Detection Method: Balancing Speed and Accuracy Using a Feature Fusion Deep Learning Framework. Journal of Advanced Transportation, 2020, 2020, 1-12.	0.9	16
41	Image Anomaly Detection Using Normal Data Only by Latent Space Resampling. Applied Sciences (Switzerland), 2020, 10, 8660.	1.3	31
42	Race estimation with deep networks. Journal of King Saud University - Computer and Information Sciences, 2020, , .	2.7	4
43	Concepts of easy-to-use versatile artificial intelligence in industrial small & medium-sized enterprises. Procedia Manufacturing, 2020, 51, 1146-1152.	1.9	13
44	Hybrid-COVID: a novel hybrid 2D/3D CNN based on cross-domain adaptation approach for COVID-19 screening from chest X-ray images. Physical and Engineering Sciences in Medicine, 2020, 43, 1415-1431.	1.3	29
45	Endoscopic three-categorical diagnosis of Helicobacter pylori infection using linked color imaging and deep learning: a single-center prospective study (with video). Gastric Cancer, 2020, 23, 1033-1040.	2.7	44
46	Deep Learning COVID-19 Features on CXR Using Limited Training Data Sets. IEEE Transactions on Medical Imaging, 2020, 39, 2688-2700.	5.4	653
47	Leveraging Shape, Reflectance and Albedo From Shading for Face Presentation Attack Detection. IEEE Transactions on Information Forensics and Security, 2020, 15, 3347-3358.	4.5	19
48	Impact of hybrid supervision approaches on the performance of artificial intelligence for the classification of chest radiographs. Computers in Biology and Medicine, 2020, 120, 103699.	3.9	5
49	Facade defects classification from imbalanced dataset using meta learning-based convolutional neural network. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 1403-1418.	6.3	53
50	Bearing Fault Diagnosis Using Grad-CAM and Acoustic Emission Signals. Applied Sciences (Switzerland), 2020, 10, 2050.	1.3	46
51	Human-computer collaboration for skin cancer recognition. Nature Medicine, 2020, 26, 1229-1234.	15.2	383
52	Emotion recognition with convolutional neural network and EEG-based EFDMs. Neuropsychologia, 2020, 146, 107506.	0.7	108
53	Analyzing Pre-Trained Neural Network Behavior with Layer Activation Optimization. , 2020, , .		1
54	Deep Learning for Multi-Tissue Cancer Classification of Gene Expressions (GeneXNet). IEEE Access, 2020, 8, 90615-90629.	2.6	15

#	ARTICLE	IF	CITATIONS
55	Iteratively Pruned Deep Learning Ensembles for COVID-19 Detection in Chest X-Rays. IEEE Access, 2020, 8, 115041-115050.	2.6	248
56	DeepMerge: Classifying high-redshift merging galaxies with deep neural networks. Astronomy and Computing, 2020, 32, 100390.	0.8	27
57	SIF: Self-Inspired Feature Learning for Person Re-Identification. IEEE Transactions on Image Processing, 2020, 29, 4942-4951.	6.0	22
58	Deep learning radiomics can predict axillary lymph node status in early-stage breast cancer. Nature Communications, 2020, 11, 1236.	5.8	276
59	Solitary solid pulmonary nodules: a CT-based deep learning nomogram helps differentiate tuberculosis granulomas from lung adenocarcinomas. European Radiology, 2020, 30, 6497-6507.	2.3	36
60	Explainable Deep Learning Models in Medical Image Analysis. Journal of Imaging, 2020, 6, 52.	1.7	314
61	Training Convolutional Neural Networks with Multi-Size Images and Triplet Loss for Remote Sensing Scene Classification. Sensors, 2020, 20, 1188.	2.1	48
62	Automatic Recognition of Laryngoscopic Images Using a Deep Learning Technique. Laryngoscope, 2020, 130, E686-E693.	1.1	61
63	City-Wide Traffic Flow Forecasting Using a Deep Convolutional Neural Network. Sensors, 2020, 20, 421.	2.1	40
64	Regional Multi-Scale Approach for Visually Pleasing Explanations of Deep Neural Networks. IEEE Access, 2020, 8, 8572-8582.	2.6	18
65	High-Quality Proposals for Weakly Supervised Object Detection. IEEE Transactions on Image Processing, 2020, 29, 5794-5804.	6.0	96
66	A Transfer Learning Method for Pneumonia Classification and Visualization. Applied Sciences (Switzerland), 2020, 10, 2908.	1.3	61
67	Understanding the decisions of CNNs: An in-model approach. Pattern Recognition Letters, 2020, 133, 373-380.	2.6	18
68	An End to End Framework With Adaptive Spatio-Temporal Attention Module for Human Action Recognition. IEEE Access, 2020, 8, 47220-47231.	2.6	10
69	Salient Explanation for Fine-Grained Classification. IEEE Access, 2020, 8, 61433-61441.	2.6	7
70	Multi-Granularity Canonical Appearance Pooling for Remote Sensing Scene Classification. IEEE Transactions on Image Processing, 2020, 29, 5396-5407.	6.0	91
71	Content search within large environmental datasets using a convolution neural network. Computers and Geosciences, 2020, 139, 104479.	2.0	5
72	Robust classification of cell cycle phase and biological feature extraction by image-based deep learning. Molecular Biology of the Cell, 2020, 31, 1346-1354.	0.9	22

#	ARTICLE	IF	CITATIONS
73	CSANet: Channel and Spatial Mixed Attention CNN for Pedestrian Detection. IEEE Access, 2020, 8, 76243-76252.	2.6	15
74	Different fundus imaging modalities and technical factors in AI screening for diabetic retinopathy: a review. Eye and Vision (London, England), 2020, 7, 21.	1.4	55
75	Radiographs and texts fusion learning based deep networks for skeletal bone age assessment. Multimedia Tools and Applications, 2021, 80, 16347-16366.	2.6	4
76	“Let me explain!” exploring the potential of virtual agents in explainable AI interaction design. Journal on Multimodal User Interfaces, 2021, 15, 87-98.	2.0	48
77	Test-retest repeatability of a deep learning architecture in detecting and segmenting clinically significant prostate cancer on apparent diffusion coefficient (ADC) maps. European Radiology, 2021, 31, 379-391.	2.3	15
78	EMG hand gesture classification using handcrafted and deep features. Biomedical Signal Processing and Control, 2021, 63, 102210.	3.5	53
79	Computed tomography-based deep-learning prediction of neoadjuvant chemoradiotherapy treatment response in esophageal squamous cell carcinoma. Radiotherapy and Oncology, 2021, 154, 6-13.	0.3	78
80	Learning distinctive filters for COVID-19 detection from chest X-ray using shuffled residual CNN. Applied Soft Computing Journal, 2021, 99, 106744.	4.1	70
81	Semi-supervised learning based on convolutional neural network and uncertainty filter for facade defects classification. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 302-317.	6.3	57
82	Covid-19 classification by FGCNet with deep feature fusion from graph convolutional network and convolutional neural network. Information Fusion, 2021, 67, 208-229.	11.7	245
83	Deep pyramid local attention neural network for cardiac structure segmentation in two-dimensional echocardiography. Medical Image Analysis, 2021, 67, 101873.	7.0	39
84	Cascade network for detection of coal and gangue in the production context. Powder Technology, 2021, 377, 361-371.	2.1	40
85	Artificial intelligence in oral and maxillofacial radiology: what is currently possible?. Dentomaxillofacial Radiology, 2021, 50, 20200375.	1.3	56
86	A survey of visual analytics techniques for machine learning. Computational Visual Media, 2021, 7, 3-36.	10.8	121
87	Deep Learning Predicts HPV Association in Oropharyngeal Squamous Cell Carcinomas and Identifies Patients with a Favorable Prognosis Using Regular H&E Stains. Clinical Cancer Research, 2021, 27, 1131-1138.	3.2	32
88	Otolith identification using a deep hierarchical classification model. Computers and Electronics in Agriculture, 2021, 180, 105883.	3.7	4
89	COVID-19 classification by CCSHNet with deep fusion using transfer learning and discriminant correlation analysis. Information Fusion, 2021, 68, 131-148.	11.7	171
90	Burn-through prediction and weld depth estimation by deep learning model monitoring the molten pool in gas metal arc welding with gap fluctuation. Journal of Manufacturing Processes, 2021, 61, 590-600.	2.8	50

#	ARTICLE	IF	CITATIONS
91	Deep learning algorithm for detection of aortic dissection on non-contrast-enhanced CT. European Radiology, 2021, 31, 1151-1159.	2.3	29
92	CABNet: Category Attention Block for Imbalanced Diabetic Retinopathy Grading. IEEE Transactions on Medical Imaging, 2021, 40, 143-153.	5.4	159
93	Understanding Integrated Gradients with SmoothTaylor for Deep Neural Network Attribution. , 2021, , .		4
94	Noninvasive Diagnosis of Seedless Fruit Using Deep Learning in Persimmon. Horticulture Journal, 2021, 90, 172-180.	0.3	10
95	Classification of Colorectal Cancer Histology Images Using Image Reconstruction and Modified DenseNet. Communications in Computer and Information Science, 2021, , 259-271.	0.4	1
96	Feature visualization within an automated design assessment leveraging explainable artificial intelligence methods. Procedia CIRP, 2021, 100, 331-336.	1.0	9
97	Bilinear Feature Fusion Convolutional Neural Network for Distributed Tactile Pressure Recognition and Understanding via Visualization. IEEE Transactions on Industrial Electronics, 2022, 69, 6391-6400.	5.2	3
99	Chest X-ray image phase features for improved diagnosis of COVID-19 using convolutional neural network. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 197-206.	1.7	45
100	Semantic-Interactive Graph Convolutional Network for Multilabel Image Recognition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4887-4899.	5.9	17
101	Attentional Feature Fusion. , 2021, , .		304
102	A Survey on Machine Learning in COVID-19 Diagnosis. CMES - Computer Modeling in Engineering and Sciences, 2021, 129, 1-49.	0.8	6
103	Lung Cancer Detection Using Improvised Grad-Cam++With 3D CNN Class Activation. Lecture Notes in Networks and Systems, 2021, , 55-69.	0.5	19
104	A Survey on the Explainability of Supervised Machine Learning. Journal of Artificial Intelligence Research, 0, 70, 245-317.	7.0	389
105	Deep Learning Based Mineral Image Classification Combined With Visual Attention Mechanism. IEEE Access, 2021, 9, 98091-98109.	2.6	23
106	Explainable Diabetic Retinopathy Detection and Retinal Image Generation. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 44-55.	3.9	29
107	AttrHIN: Network Representation Learning Method for Heterogeneous Information Network. IEEE Access, 2021, 9, 127397-127406.	2.6	0
108	Explainable identification and mapping of trees using UAV RGB image and deep learning. Scientific Reports, 2021, 11, 903.	1.6	115
109	EXPLAINABLE DEEP LEARNING FOR BRIDGE REPAIR DECISION. Journal of Japan Society of Civil Engineers, Ser F3 (Civil Engineering Informatics), 2021, 77, 31-38.	0.2	0

#	ARTICLE	IF	CITATIONS
110	SOt-ing VQA Models : Contrastive Gradient Learning for Improved Consistency. , 2021, , .		0
111	Deep Visual Attention Based Transfer Clustering. Lecture Notes in Electrical Engineering, 2021, , 357-366.	0.3	1
112	Preliminary study of AI-assisted diagnosis using FDG-PET/CT for axillary lymph node metastasis in patients with breast cancer. EJNMMI Research, 2021, 11, 10.	1.1	20
113	Optimising Knee Injury Detection with Spatial Attention and Validating Localisation Ability. Lecture Notes in Computer Science, 2021, , 71-86.	1.0	4
114	Grad-CAM-Based Classification of Chest X-Ray Images of Pneumonia Patients. Communications in Computer and Information Science, 2021, , 161-174.	0.4	4
115	An Interpretable Deep Learning System for Automatic Intracranial Hemorrhage Diagnosis with CT Image. , 2021, , .		2
116	Reform Difference of Chinese Women's Consumption Concept Under the Background of Computer Big Data. E3S Web of Conferences, 2021, 253, 02080.	0.2	1
118	Industrial Image Anomaly Localization Based on Gaussian Clustering of Pretrained Feature. IEEE Transactions on Industrial Electronics, 2022, 69, 6182-6192.	5.2	24
119	A Novel Target-Aware Dual Matching and Compensatory Segmentation Tracker for Aerial Videos. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	2.4	5
120	Deep Learning Models for Predicting Severe Progression in COVID-19-Infected Patients: Retrospective Study. JMIR Medical Informatics, 2021, 9, e24973.	1.3	26
121	Deep learning model for the prediction of microsatellite instability in colorectal cancer: a diagnostic study. Lancet Oncology, The, 2021, 22, 132-141.	5.1	198
122	Multisite Autism Spectrum Disorder Classification Using Convolutional Neural Network Classifier and Individual Morphological Brain Networks. Frontiers in Neuroscience, 2020, 14, 629630.	1.4	35
123	AVNC: Attention-Based VGG-Style Network for COVID-19 Diagnosis by CBAM. IEEE Sensors Journal, 2022, 22, 17431-17438.	2.4	74
124	Attribute-Aligned Domain-Invariant Feature Learning for Unsupervised Domain Adaptation Person Re-Identification. IEEE Transactions on Information Forensics and Security, 2021, 16, 1480-1494.	4.5	62
125	Exploring sMRI Biomarkers for Diagnosis of Autism Spectrum Disorders Based on Multi Class Activation Mapping Models. IEEE Access, 2021, 9, 124122-124131.	2.6	6
128	Using convolutional neural networks for binary classification of x-ray images. AIP Conference Proceedings, 2021, , .	0.3	0
129	HIT - A Hierarchically Fused Deep Attention Network for Robust Code-mixed Language Representation. , 2021, , .		3
130	Exploring the Landscapes and Emerging Trends of Reinforcement Learning from 1990 to 2020: A Bibliometric Analysis. Lecture Notes in Computer Science, 2021, , 365-377.	1.0	0

#	ARTICLE	IF	CITATIONS
131	Generating Cartoon Images from Face Photos with Cycle-Consistent Adversarial Networks. Computers, Materials and Continua, 2021, 69, 2733-2747.	1.5	3
132	Learning Spatio-Temporal Representations With a Dual-Stream 3-D Residual Network for Nondriving Activity Recognition. IEEE Transactions on Industrial Electronics, 2022, 69, 7405-7414.	5.2	3
133	A Diabetic Retinopathy Classification Method Based on Novel Attention Mechanism. Lecture Notes in Computer Science, 2021, , 129-142.	1.0	1
134	An Internet-of-Medical-Things-Enabled Edge Computing Framework for Tackling COVID-19. IEEE Internet of Things Journal, 2021, 8, 15847-15854.	5.5	92
135	Harmony Loss for Unbalanced Prediction. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 828-839.	3.9	2
137	Semi-Automatic Reliable Explanations for Prediction in Graphs. , 2021, , .		1
138	Behavior Recognition and Maternal Ability Evaluation for Sows Based on Triaxial Acceleration and Video Sensors. IEEE Access, 2021, 9, 65346-65360.	2.6	4
139	An efficient method for building a database of diatom populations for drowning site inference using a deep learning algorithm. International Journal of Legal Medicine, 2021, 135, 817-827.	1.2	9
140	Advanced deep learning applications in diagnostic pathology. Translational and Regulatory Sciences, 2021, 3, 36-42.	0.2	0
141	Multi-class Tissue Classification in Colorectal Cancer with Handcrafted and Deep Features. Lecture Notes in Computer Science, 2021, , 512-525.	1.0	3
142	Task-Coupling Elastic Learning for Physical Sign-Based Medical Image Classification. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 626-637.	3.9	3
143	Use Procedural Noise to Achieve Backdoor Attack. IEEE Access, 2021, 9, 127204-127216.	2.6	2
144	Advanced TSGL-EEGNet for Motor Imagery EEG-Based Brain-Computer Interfaces. IEEE Access, 2021, 9, 25118-25130.	2.6	63
145	Using Class Activation Maps on Deep Neural Networks to Localise Waste Classifications. , 2021, , .		1
146	Plant Identification Using Artificial Intelligence: Innovative Strategies for Teaching Food Biodiversity. Ethnobiology, 2021, , 379-393.	0.4	0
147	Automated radiology report generation using conditioned transformers. Informatics in Medicine Unlocked, 2021, 24, 100557.	1.9	57
148	Sensitivity analysis for interpretation of machine learning based segmentation models in cardiac MRI. BMC Medical Imaging, 2021, 21, 27.	1.4	16
149	Deep Learning Detection of Sea Fan Neovascularization From Ultra-Widefield Color Fundus Photographs of Patients With Sickle Cell Hemoglobinopathy. JAMA Ophthalmology, 2021, 139, 206.	1.4	15

#	ARTICLE	IF	CITATIONS
151	Artificial intelligence to diagnose paroxysmal supraventricular tachycardia using electrocardiography during normal sinus rhythm. <i>European Heart Journal Digital Health</i> , 2021, 2, 290-298.	0.7	11
152	Deep learning identifies morphological features in breast cancer predictive of cancer ERBB2 status and trastuzumab treatment efficacy. <i>Scientific Reports</i> , 2021, 11, 4037.	1.6	43
153	Unraveling the deep learning gearbox in optical coherence tomography image segmentation towards explainable artificial intelligence. <i>Communications Biology</i> , 2021, 4, 170.	2.0	20
154	Advancing Satellite Precipitation Retrievals With Data Driven Approaches: Is Black Box Model Explainable?. <i>Earth and Space Science</i> , 2021, 8, e2020EA001423.	1.1	14
155	Deep CNN Model Using CT Radiomics Feature Mapping Recognizes EGFR Gene Mutation Status of Lung Adenocarcinoma. <i>Frontiers in Oncology</i> , 2020, 10, 598721.	1.3	26
156	Deep neural networks for active wave breaking classification. <i>Scientific Reports</i> , 2021, 11, 3604.	1.6	14
157	Why can deep convolutional neural networks improve protein fold recognition? A visual explanation by interpretation. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	10
158	The Role of DICOM in Artificial Intelligence for Skin Disease. <i>Frontiers in Medicine</i> , 2020, 7, 619787.	1.2	8
159	3DSMDA-Net: An improved 3DCNN with separable structure and multi-dimensional attention for welding status recognition. <i>Journal of Manufacturing Systems</i> , 2022, 62, 811-822.	7.6	16
160	Combined Detection and Segmentation of Archeological Structures from LiDAR Data Using a Deep Learning Approach. <i>Journal of Computer Applications in Archaeology</i> , 2021, 4, 1.	0.8	19
161	Computer vision AC-STEM automated image analysis for 2D nanopore applications. <i>Ultramicroscopy</i> , 2021, 231, 113249.	0.8	6
162	Convolutional Neural Networks for the Classification of the Microstructure of Tight Sandstone. , 2021, , .		0
163	Multi-class Classification of Alzheimer's Disease using 3DCNN Features and Multilayer Perceptron. , 2021, , .		7
164	A Method to Perform Soft Material Spectroscopy of a Defect. , 2021, , .		0
165	Human-interpretable image features derived from densely mapped cancer pathology slides predict diverse molecular phenotypes. <i>Nature Communications</i> , 2021, 12, 1613.	5.8	114
166	AI-based localization and classification of skin disease with erythema. <i>Scientific Reports</i> , 2021, 11, 5350.	1.6	15
167	Recognition of Scratches and Abrasions on Metal Surfaces Using a Classifier Based on a Convolutional Neural Network. <i>Metals</i> , 2021, 11, 549.	1.0	22
168	Artificial intelligence for detecting electrolyte imbalance using electrocardiography. <i>Annals of Noninvasive Electrocardiology</i> , 2021, 26, e12839.	0.5	29

#	ARTICLE	IF	CITATIONS
169	Explainable diagnosis of secondary pulmonary tuberculosis by graph rank-based average pooling neural network. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 0, , 1.	3.3	16
170	Machine Learning for Accurate Intraoperative Pediatric Middle Ear Effusion Diagnosis. <i>Pediatrics</i> , 2021, 147, .	1.0	29
171	AI applications to medical images: From machine learning to deep learning. <i>Physica Medica</i> , 2021, 83, 9-24.	0.4	253
172	Safety Testing of Neural Network for Image Classification. , 2021, , .		0
174	PSSPNN: PatchShuffle Stochastic Pooling Neural Network for an Explainable Diagnosis of COVID-19 with Multiple-Way Data Augmentation. <i>Computational and Mathematical Methods in Medicine</i> , 2021, 2021, 1-18.	0.7	44
175	A Multimodal, Multimedia Point-of-Care Deep Learning Framework for COVID-19 Diagnosis. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2021, 17, 1-24.	3.0	35
176	3D CNN with Visual Insights for Early Detection of Lung Cancer Using Gradient-Weighted Class Activation. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-11.	1.1	38
177	A Cascadeâ€œSEME network for COVIDâ€œ19 detection in chest xâ€œray images. <i>Medical Physics</i> , 2021, 48, 2337-2353.	1.6	6
178	Convolutional neural network for classifying primary liver cancer based on triple-phase CT and tumor marker information: a pilot study. <i>Japanese Journal of Radiology</i> , 2021, 39, 690-702.	1.0	22
179	GestAltNet: aggregation and attention to improve deep learning of gestational age from placental whole-slide images. <i>Laboratory Investigation</i> , 2021, 101, 942-951.	1.7	19
180	Deep learning enables the automation of grading histological tissue engineered cartilage images for quality control standardization. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 433-443.	0.6	10
181	Towards a Reliable Evaluation of Local Interpretation Methods. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2732.	1.3	6
182	Optimized Deep Learning Model as a Basis for Fast UAV Mapping of Weed Species in Winter Wheat Crops. <i>Remote Sensing</i> , 2021, 13, 1704.	1.8	31
183	Attention-Guided Digital Adversarial Patches on Visual Detection. <i>Security and Communication Networks</i> , 2021, 2021, 1-11.	1.0	4
185	Light scattering pattern specific convolutional network static cytometry for labelâ€œfree classification of cervical cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2021, 99, 610-621.	1.1	6
186	Resource-frugal classification and analysis of pathology slides using image entropy. <i>Biomedical Signal Processing and Control</i> , 2021, 66, 102388.	3.5	5
187	A Machine Vision Approach for Bioreactor Foam Sensing. <i>SLAS Technology</i> , 2021, 26, 408-414.	1.0	5
188	Development and Validation of a Nomogram for Preoperative Prediction of Lymph Node Metastasis in Lung Adenocarcinoma Based on Radiomics Signature and Deep Learning Signature. <i>Frontiers in Oncology</i> , 2021, 11, 585942.	1.3	20

#	ARTICLE	IF	CITATIONS
189	A Deep Learning Based Framework for Diagnosing Multiple Skin Diseases in a Clinical Environment. <i>Frontiers in Medicine</i> , 2021, 8, 626369.	1.2	26
190	To trust or not to trust an explanation: using LEAF to evaluate local linear XAI methods. <i>PeerJ Computer Science</i> , 2021, 7, e479.	2.7	37
192	Automatic Deep Learning-assisted Detection and Grading of Abnormalities in Knee MRI Studies. <i>Radiology: Artificial Intelligence</i> , 2021, 3, e200165.	3.0	46
193	A Unified Framework for Anomaly Detection of Satellite Images Based on Well-Designed Features and an Artificial Neural Network. <i>Remote Sensing</i> , 2021, 13, 1506.	1.8	3
194	Unsupervised anomaly detection using generative adversarial networks in 1H-MRS of the brain. <i>Journal of Magnetic Resonance</i> , 2021, 325, 106936.	1.2	13
195	Identifying geographically differentiated features of Ethiopian Nile tilapia (<i>Oreochromis niloticus</i>) morphology with machine learning. <i>PLoS ONE</i> , 2021, 16, e0249593.	1.1	6
196	U-net-based analysis of MRI for Alzheimer's disease diagnosis. <i>Neural Computing and Applications</i> , 2021, 33, 13587-13599.	3.2	18
197	Voxel-Wise Feature Selection Method for CNN Binary Classification of Neuroimaging Data. <i>Frontiers in Neuroscience</i> , 2021, 15, 630747.	1.4	2
198	Machine Learning Solutions for Osteoporosis—A Review. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 833-851.	3.1	82
199	Artificial intelligence improves the accuracy of residents in the diagnosis of hip fractures: a multicenter study. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 407.	0.8	21
200	Explaining deep neural networks for knowledge discovery in electrocardiogram analysis. <i>Scientific Reports</i> , 2021, 11, 10949.	1.6	26
201	Domain adaptation and self-supervised learning for surgical margin detection. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2021, 16, 861-869.	1.7	11
202	A Review of Explainable Deep Learning Cancer Detection Models in Medical Imaging. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4573.	1.3	53
204	Development of a species identification system of Japanese bats from echolocation calls using convolutional neural networks. <i>Ecological Informatics</i> , 2021, 62, 101253.	2.3	11
205	Bone Age Assessment Based on Deep Convolution Neural Network. , 2021, , .		0
206	Perspectives on Individual Animal Identification from Biology and Computer Vision. <i>Integrative and Comparative Biology</i> , 2021, 61, 900-916.	0.9	30
207	Multi-Task Deep Learning Model for Classification of Dental Implant Brand and Treatment Stage Using Dental Panoramic Radiograph Images. <i>Biomolecules</i> , 2021, 11, 815.	1.8	36
208	CEFEs: A CNN Explainable Framework for ECG Signals. <i>Artificial Intelligence in Medicine</i> , 2021, 115, 102059.	3.8	36

#	ARTICLE	IF	CITATIONS
209	Transient Rotor Angle and Voltage Stability Discrimination Based on Deep Convolutional Neural Network with Multiple Inputs. , 2021, , .		1
210	Unobtrusive Pain Monitoring in Older Adults With Dementia Using Pairwise and Contrastive Training. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1450-1462.	3.9	12
211	A new bearing fault diagnosis method based on signal-to-image mapping and convolutional neural network. Measurement: Journal of the International Measurement Confederation, 2021, 176, 109088.	2.5	96
212	Recognition and detection of aero-engine blade damage based on Improved Cascade Mask R-CNN. Applied Optics, 2021, 60, 5124.	0.9	20
213	An Optical Coherence Tomography-Based Deep Learning Algorithm for Visual Acuity Prediction of Highly Myopic Eyes After Cataract Surgery. Frontiers in Cell and Developmental Biology, 2021, 9, 652848.	1.8	10
214	In-flight sensing of pollen grains via laser scattering and deep learning. Engineering Research Express, 2021, 3, 025021.	0.8	1
215	Pre-training with asynchronous supervised learning for reinforcement learning based autonomous driving. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 673-686.	1.5	5
216	A machine learning method for defect detection and visualization in selective laser sintering based on convolutional neural networks. Additive Manufacturing, 2021, 41, 101965.	1.7	50
217	Detection defense against adversarial attacks with saliency map. International Journal of Intelligent Systems, 2022, 37, 10193-10210.	3.3	8
218	AI for radiographic COVID-19 detection selects shortcuts over signal. Nature Machine Intelligence, 2021, 3, 610-619.	8.3	230
219	Fully Convolutional Neural Network: A solution to infer animal behaviours from multi-sensor data. Ecological Modelling, 2021, 450, 109555.	1.2	13
220	Artificial Neural Network-Based Deep Learning Model for COVID-19 Patient Detection Using X-Ray Chest Images. Journal of Healthcare Engineering, 2021, 2021, 1-16.	1.1	30
221	Imperfect Wheat Grain Recognition Combined with an Attention Mechanism and Residual Network. Applied Sciences (Switzerland), 2021, 11, 5139.	1.3	10
222	(ASNA) An Attention-based Siamese-Difference Neural Network with Surrogate Ranking Loss function for Perceptual Image Quality Assessment. , 2021, , .		6
223	On practice and dilemma of artificial intelligence in collaborative teaching of the ideological and political theory course in colleges and universities. Journal of Intelligent and Fuzzy Systems, 2021, , 1-12.	0.8	12
224	Coffee Disease Visualization and Classification. Plants, 2021, 10, 1257.	1.6	19
225	Representation Learning for Fine-Grained Change Detection. Sensors, 2021, 21, 4486.	2.1	4
226	SafeSO: Interpretable and Explainable Deep Learning Approach for Seat Occupancy Classification in Vehicle Interior. , 2021, , .		6

#	ARTICLE	IF	CITATIONS
227	Glaucoma Expert-Level Detection of Angle Closure in Goniophotographs With Convolutional Neural Networks: The Chinese American Eye Study. <i>American Journal of Ophthalmology</i> , 2021, 226, 100-107.	1.7	19
228	Automated detection of cervical ossification of the posterior longitudinal ligament in plain lateral radiographs of the cervical spine using a convolutional neural network. <i>Scientific Reports</i> , 2021, 11, 12702.	1.6	5
229	Applications of deep learning to decorated ceramic typology and classification: A case study using Tusayan White Ware from Northeast Arizona. <i>Journal of Archaeological Science</i> , 2021, 130, 105375.	1.2	51
230	CoVNet-19: A Deep Learning model for the detection and analysis of COVID-19 patients. <i>Applied Soft Computing Journal</i> , 2021, 104, 107184.	4.1	56
231	Multicolor image classification using the multimodal information bottleneck network (MMIB-Net) for detecting diabetic retinopathy. <i>Optics Express</i> , 2021, 29, 22732.	1.7	5
232	Radiographical assessment of tumour stroma and treatment outcomes using deep learning: a retrospective, multicohort study. <i>The Lancet Digital Health</i> , 2021, 3, e371-e382.	5.9	29
233	Intra-domain task-adaptive transfer learning to determine acute ischemic stroke onset time. <i>Computerized Medical Imaging and Graphics</i> , 2021, 90, 101926.	3.5	14
236	EVALUATING VISUAL IMPRESSIONS BASED ON GAZE ANALYSIS AND DEEP LEARNING: A CASE STUDY OF ATTRACTIVENESS EVALUATION OF STREETS IN DENSELY BUILT-UP WOODEN RESIDENTIAL AREA. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives. 0. XLIII-B3-2021</i> , 887-894.	0.2	5
237	Deep Learning-Based Multi-Class Classification of Breast Digital Pathology Images. <i>Cancer Management and Research</i> , 2021, Volume 13, 4605-4617.	0.9	36
238	DeepMerge " II. Building robust deep learning algorithms for merging galaxy identification across domains. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 677-691.	1.6	23
239	Tic Detection in Tourette Syndrome Patients Based on Unsupervised Visual Feature Learning. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-10.	1.1	12
240	Application of convolutional neural networks for distal radio-ulnar fracture detection on plain radiographs in the emergency room. <i>Clinical and Experimental Emergency Medicine</i> , 2021, 8, 120-127.	0.5	6
241	Multi-Scale Residual Network for Covid-19 Diagnosis Using Ct-Scans. , 2021, , .		17
242	DDCNNC: Dilated and depthwise separable convolutional neural Network for diagnosis COVID-19 via chest X-ray images. <i>International Journal of Cognitive Computing in Engineering</i> , 2021, 2, 71-82.	5.5	10
243	Zero shot augmentation learning in internet of biometric things for health signal processing. <i>Pattern Recognition Letters</i> , 2021, 146, 142-149.	2.6	4
244	Landslide detection using visualization techniques for deep convolutional neural network models. <i>Natural Hazards</i> , 2021, 109, 329-350.	1.6	24
245	DenseCapsNet: Detection of COVID-19 from X-ray images using a capsule neural network. <i>Computers in Biology and Medicine</i> , 2021, 133, 104399.	3.9	39
246	Automatic Pancreatic Ductal Adenocarcinoma Detection in Whole Slide Images Using Deep Convolutional Neural Networks. <i>Frontiers in Oncology</i> , 2021, 11, 665929.	1.3	21

#	ARTICLE	IF	CITATIONS
248	Learning Personal Style from Few Examples. , 2021, , .		0
249	Quality control stress test for deep learning-based diagnostic model in digital pathology. <i>Modern Pathology</i> , 2021, 34, 2098-2108.	2.9	72
250	Ancient mural classification methods based on a multichannel separable network. <i>Heritage Science</i> , 2021, 9, .	1.0	4
251	A short note on achieving similar performance to deep learning with practical chemometrics. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021, 214, 104336.	1.8	7
252	Attention-based deep learning networks for identification of human gait using radar micro-Doppler spectrograms. <i>International Journal of Microwave and Wireless Technologies</i> , 2021, 13, 734-739.	1.5	2
253	COVID-19 Diagnosis from Chest CT Scans: A Weakly Supervised CNN-LSTM Approach. <i>AI</i> , 2021, 2, 330-341.	2.1	10
254	Pre-Trained Convolutional Neural Networks for Breast Cancer Detection Using Ultrasound Images. <i>ACM Transactions on Internet Technology</i> , 2021, 21, 1-17.	3.0	27
255	Interpret The Predictions Of Deep Networks Via Re-Label Distillation. , 2021, , .		0
256	Leveraging Deep Neural Networks to Map Caribou Lichen in High-Resolution Satellite Images Based on a Small-Scale, Noisy UAV-Derived Map. <i>Remote Sensing</i> , 2021, 13, 2658.	1.8	9
257	An integrated nomogram combining deep learning, Prostate Imagingâ€“Reporting and Data System (PI-RADS) scoring, and clinical variables for identification of clinically significant prostate cancer on biparametric MRI: a retrospective multicentre study. <i>The Lancet Digital Health</i> , 2021, 3, e445-e454.	5.9	55
258	Detection and classification of arrhythmia using an explainable deep learning model. <i>Journal of Electrocardiology</i> , 2021, 67, 124-132.	0.4	25
259	X-BaD: A Flexible Tool for Explanation-Based Bias Detection. , 2021, , .		1
260	Relation-Based Deep Attention Network with Hybrid Memory for One-Shot Person Re-Identification. <i>Sensors</i> , 2021, 21, 5113.	2.1	4
261	Actionable XAI for the Fuzzy Integral. , 2021, , .		1
262	Deep Learning-Guided Fiberoptic Raman Spectroscopy Enables Real-Time <i>In Vivo</i> Diagnosis and Assessment of Nasopharyngeal Carcinoma and Post-treatment Efficacy during Endoscopy. <i>Analytical Chemistry</i> , 2021, 93, 10898-10906.	3.2	20
263	Primitive-contrastive network: data-efficient self-supervised learning from robot demonstration videos. <i>Applied Intelligence</i> , 0, , 1.	3.3	1
264	Bidirectional cascaded deep neural networks with a pretrained autoencoder for dielectric metasurfaces. <i>Photonics Research</i> , 2021, 9, 1607.	3.4	10
265	Visualization of judgment regions in convolutional neural networks for X-ray diffraction and scattering images of aliphatic polyesters. <i>Polymer Journal</i> , 2021, 53, 1269-1279.	1.3	5

#	ARTICLE	IF	CITATIONS
266	SOSPCNN: Structurally Optimized Stochastic Pooling Convolutional Neural Network for Tetralogy of Fallot Recognition. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-17.	0.8	7
267	Predicting the Photosynthesis Rate of Rice Leaves under Fluctuating Light Using LSTM. <i>Agricultural Information Research</i> , 2021, 30, 96-108.	0.2	0
268	Detecting the Absence of Lung Sliding in Lung Ultrasounds Using Deep Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6976.	1.3	11
269	Machine learning for automated abdominal aortic calcification scoring of DXA vertebral fracture assessment images: A pilot study. <i>Bone</i> , 2021, 148, 115943.	1.4	14
270	Intelligent Recognition Method of Low-Altitude Squint Optical Ship Target Fused with Simulation Samples. <i>Remote Sensing</i> , 2021, 13, 2697.	1.8	4
271	An Assistive Role of a Machine Learning Network in Diagnosis of Middle Ear Diseases. <i>Journal of Clinical Medicine</i> , 2021, 10, 3198.	1.0	23
274	Ocular Axial Length Prediction Based on Visual Interpretation of Retinal Fundus Images via Deep Neural Network. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-7.	1.9	15
275	Attribution Modeling for Deep Morphological Neural Networks using Saliency Maps. , 2021, , .		1
276	A new convolutional neural network predictive model for the automatic recognition of hypogranulated neutrophils in myelodysplastic syndromes. <i>Computers in Biology and Medicine</i> , 2021, 134, 104479.	3.9	14
277	Accurate plant pathogen effector protein classification ab initio with deepredef: an ensemble of convolutional neural networks. <i>BMC Bioinformatics</i> , 2021, 22, 372.	1.2	15
278	Research on Emotion Analysis of Chinese Literati Painting Images Based on Deep Learning. <i>Frontiers in Psychology</i> , 2021, 12, 723325.	1.1	4
279	EGSANet: edge-guided sparse attention network for improving license plate detection in the wild. <i>Applied Intelligence</i> , 2022, 52, 4458-4472.	3.3	8
280	Deep learning of topological phase transitions from the point of view of entanglement for two-dimensional chiral p-wave superconductors. <i>Physical Review B</i> , 2021, 104, .	1.1	3
281	Visualization of Multivariate Time-Series Characteristics of Ground Loss Caused by Shield Tunneling. <i>Shock and Vibration</i> , 2021, 2021, 1-17.	0.3	1
282	The Role of Artificial Intelligence and Machine Learning in Clinical Cardiac Electrophysiology. <i>Canadian Journal of Cardiology</i> , 2022, 38, 246-258.	0.8	6
283	Standardized Reporting of Machine Learning Applications in Urology: The STREAM-URO Framework. <i>European Urology Focus</i> , 2021, 7, 672-682.	1.6	23
284	Deep-learning for predicting C-shaped canals in mandibular second molars on panoramic radiographs. <i>Dentomaxillofacial Radiology</i> , 2021, 50, 20200513.	1.3	31
285	Image Embedding and Model Ensembling for Automated Chest X-Ray Interpretation. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
286	Scan quality estimation for industrial computed tomography using convolutional neural networks. , 2021, , .		0
287	A Comprehensive Explanation Framework for Biomedical Time Series Classification. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2398-2408.	3.9	24
288	DLSE-Net: A robust weakly supervised network for fabric defect detection. Displays, 2021, 68, 102008.	2.0	23
289	Prediction of EGFR Mutation Status Based on 18F-FDG PET/CT Imaging Using Deep Learning-Based Model in Lung Adenocarcinoma. Frontiers in Oncology, 2021, 11, 709137.	1.3	14
290	A Comprehensive Study of Data Augmentation Strategies for Prostate Cancer Detection in Diffusion-Weighted MRI Using Convolutional Neural Networks. Journal of Digital Imaging, 2021, 34, 862-876.	1.6	37
291	Deep learning-based gene selection in comprehensive gene analysis in pancreatic cancer. Scientific Reports, 2021, 11, 16521.	1.6	11
292	Genetic syndromes screening by facial recognition technology: VGG-16 screening model construction and evaluation. Orphanet Journal of Rare Diseases, 2021, 16, 344.	1.2	13
294	Real-time recognition system of soybean seed full-surface defects based on deep learning. Computers and Electronics in Agriculture, 2021, 187, 106230.	3.7	45
295	Local descriptor-based multi-prototype network for few-shot Learning. Pattern Recognition, 2021, 116, 107935.	5.1	45
296	Entanglement-Based Feature Extraction by Tensor Network Machine Learning. Frontiers in Applied Mathematics and Statistics, 2021, 7, .	0.7	8
297	Exploring CNN features in the context of adversarial robustness and human perception. , 2021, , .		1
298	Deep learning for chest X-ray analysis: A survey. Medical Image Analysis, 2021, 72, 102125.	7.0	196
299	Research on the Design of Primary School English Learning Resources Based on Cognitive Model. , 2021, , .		0
300	A Method for Detecting and Analyzing Facial Features of People with Drug Use Disorders. Diagnostics, 2021, 11, 1562.	1.3	0
301	Classification of Cardiomyopathies from MR Cine Images Using Convolutional Neural Network with Transfer Learning. Diagnostics, 2021, 11, 1554.	1.3	1
302	A real-world demonstration of machine learning generalizability in the detection of intracranial hemorrhage on head computerized tomography. Scientific Reports, 2021, 11, 17051.	1.6	30
303	Machine Learning Explainability and Robustness. , 2021, , .		4
304	Self-Learning for Weakly Supervised Gleason Grading of Local Patterns. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3094-3104.	3.9	20

#	ARTICLE	IF	CITATIONS
305	Detection and classification of unilateral cleft alveolus with and without cleft palate on panoramic radiographs using a deep learning system. <i>Scientific Reports</i> , 2021, 11, 16044.	1.6	11
306	Classification and Visualisation of Normal and Abnormal Radiographs; A Comparison between Eleven Convolutional Neural Network Architectures. <i>Sensors</i> , 2021, 21, 5381.	2.1	16
307	An automated deep learning pipeline based on advanced optimisations for leveraging spectral classification modelling. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021, 215, 104354.	1.8	21
308	Development and Validation of an Arterial Pressure-Based Cardiac Output Algorithm Using a Convolutional Neural Network: Retrospective Study Based on Prospective Registry Data. <i>JMIR Medical Informatics</i> , 2021, 9, e24762.	1.3	4
309	Sequential Interactive Biased Network for Context-Aware Emotion Recognition. , 2021, , .		2
310	A novel method for peanut variety identification and classification by Improved VGG16. <i>Scientific Reports</i> , 2021, 11, 15756.	1.6	34
311	Validating deep learning inference during chest X-ray classification for COVID-19 screening. <i>Scientific Reports</i> , 2021, 11, 16075.	1.6	32
312	A MULTITASK DEEP-LEARNING SYSTEM FOR ASSESSMENT OF DIABETIC MACULAR ISCHEMIA ON OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY IMAGES. <i>Retina</i> , 2022, 42, 184-194.	1.0	10
313	Predicting post-operative right ventricular failure using video-based deep learning. <i>Nature Communications</i> , 2021, 12, 5192.	5.8	32
314	Development of Defect Detection AI Model for Wire + Arc Additive Manufacturing Using High Dynamic Range Images. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7541.	1.3	21
315	Neural Style Transfer as Data Augmentation for Improving COVID-19 Diagnosis Classification. <i>SN Computer Science</i> , 2021, 2, 410.	2.3	5
316	Gender Prediction for a Multiethnic Population via Deep Learning Across Different Retinal Fundus Photograph Fields: Retrospective Cross-sectional Study. <i>JMIR Medical Informatics</i> , 2021, 9, e25165.	1.3	13
317	Automatic classification and detection of oral cancer in photographic images using deep learning algorithms. <i>Journal of Oral Pathology and Medicine</i> , 2021, 50, 911-918.	1.4	49
318	A deep learning-based radiomic nomogram for prognosis and treatment decision in advanced nasopharyngeal carcinoma: A multicentre study. <i>EBioMedicine</i> , 2021, 70, 103522.	2.7	48
319	Attention-based deep learning system for automated diagnoses of age-related macular degeneration in optical coherence tomography images. <i>Medical Physics</i> , 2021, 48, 4926-4934.	1.6	16
320	Deep Learning on Construction Sites: A Case Study of Sparse Data Learning Techniques for Rebar Segmentation. <i>Sensors</i> , 2021, 21, 5428.	2.1	2
321	A Brief Talk about the Modern Application of Computer Software Technology and the Development Trend of Research. <i>Journal of Physics: Conference Series</i> , 2021, 1992, 042024.	0.3	0
322	iCOVID: interpretable deep learning framework for early recovery-time prediction of COVID-19 patients. <i>Npj Digital Medicine</i> , 2021, 4, 124.	5.7	10

#	ARTICLE	IF	CITATIONS
323	G-CAM: Graph Convolution Network Based Class Activation Mapping for Multi-label Image Recognition. , 2021, , .		2
324	Improving the Generalization Ability of Deepfake Detection via Disentangled Representation Learning. , 2021, , .		4
326	Review of Recent Technologies for Tackling COVID-19. SN Computer Science, 2021, 2, 460.	2.3	3
327	Mapping the glycosyltransferase fold landscape using interpretable deep learning. Nature Communications, 2021, 12, 5656.	5.8	22
328	COVID-19 lesion discrimination and localization network based on multi-receptive field attention module on CT images. Optik, 2021, 241, 167100.	1.4	8
330	A survey of visual analytics for Explainable Artificial Intelligence methods. Computers and Graphics, 2022, 102, 502-520.	1.4	77
331	A comparative study on image-based snake identification using machine learning. Scientific Reports, 2021, 11, 19142.	1.6	11
332	Mapping Multi-Temporal Population Distribution in China from 1985 to 2010 Using Landsat Images via Deep Learning. Remote Sensing, 2021, 13, 3533.	1.8	10
333	Underwater Target Detection Based on Deep Neural Network and Image Enhancement. Journal of Physics: Conference Series, 2021, 2029, 012145.	0.3	0
334	A Novel Two-Stage Refine Filtering Method for EEG-Based Motor Imagery Classification. Frontiers in Neuroscience, 2021, 15, 657540.	1.4	6
335	Road infrared target detection with YOLO. IET Image Processing, 2022, 16, 92-101.	1.4	14
336	Classification of Echocardiogram View using A Convolutional Neural Network. Artificial Intelligence Research, 2021, 11, 1.	0.3	1
337	Performance evaluation of a deep learning based wet coal image classification. Minerals Engineering, 2021, 171, 107126.	1.8	24
338	A Mobile Tool that Helps Nonexperts Make Sense of Pretrained CNN by Interacting with Their Daily Surroundings. , 2021, , .		4
339	Classification and reconstruction of optical quantum states with deep neural networks. Physical Review Research, 2021, 3, .	1.3	25
340	Interpreting convolutional neural network for real-time volatile organic compounds detection and classification using optical emission spectroscopy of plasma. Analytica Chimica Acta, 2021, 1179, 338822.	2.6	20
341	Enhancing adversarial defense for medical image analysis systems with pruning and attention mechanism. Medical Physics, 2021, 48, 6198-6212.	1.6	4
342	Identification of Sex and Age from Macular Optical Coherence Tomography and Feature Analysis Using Deep Learning. American Journal of Ophthalmology, 2022, 235, 221-228.	1.7	15

#	ARTICLE	IF	CITATIONS
343	A comparison of deep saliency map generators on multispectral data in object detection. , 2021, , .		2
344	Useable machine learning for Sentinel-2 multispectral satellite imagery. , 2021, , .		0
345	Deep Learning for Adjacent Segment Disease at Preoperative MRI for Cervical Radiculopathy. Radiology, 2021, 301, 664-671.	3.6	10
346	NAGNN: Classification of COVID-19 based on neighboring aware representation from deep graph neural network. International Journal of Intelligent Systems, 2022, 37, 1572-1598.	3.3	107
347	Deep Learning for Discrimination Between Fungal Keratitis and Bacterial Keratitis: DeepKeratitis. Cornea, 2022, 41, 616-622.	0.9	33
348	Some thoughts on knowledge-enhanced machine learning. International Journal of Approximate Reasoning, 2021, 136, 308-324.	1.9	6
349	Opening the Black Box: The Promise and Limitations of Explainable Machine Learning in Cardiology. Canadian Journal of Cardiology, 2022, 38, 204-213.	0.8	181
350	A deep-learning model for identifying fresh vertebral compression fractures on digital radiography. European Radiology, 2022, 32, 1496-1505.	2.3	19
351	Using Feature Alignment Can Improve Clean Average Precision And Adversarial Robustness In Object Detection. , 2021, , .		5
353	A comparative analysis of eleven neural networks architectures for small datasets of lung images of COVID-19 patients toward improved clinical decisions. Computers in Biology and Medicine, 2021, 139, 104887.	3.9	25
354	Lightweight convolutional neural network model for field wheat ear disease identification. Computers and Electronics in Agriculture, 2021, 189, 106367.	3.7	72
355	GammaNet: An intensity-invariance deep neural network for computer-aided brain tumor segmentation. Optik, 2021, 243, 167441.	1.4	9
356	Effect of optical coherence tomography and angiography sampling rate towards diabetic retinopathy severity classification. Biomedical Optics Express, 2021, 12, 6660.	1.5	2
357	Spatio-temporal hybrid neural networks reduce erroneous human "judgement calls" in the diagnosis of Takotsubo syndrome. EclinicalMedicine, 2021, 40, 101115.	3.2	3
358	CASTLE: Cluster-aided space transformation for local explanations. Expert Systems With Applications, 2021, 179, 115045.	4.4	10
359	MIDCAN: A multiple input deep convolutional attention network for Covid-19 diagnosis based on chest CT and chest X-ray. Pattern Recognition Letters, 2021, 150, 8-16.	2.6	75
360	Anti-transfer learning for task invariance in convolutional neural networks for speech processing. Neural Networks, 2021, 142, 238-251.	3.3	10
361	Deep learning approach to assess damage mechanics of bone tissue. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 123, 104761.	1.5	27

#	ARTICLE	IF	CITATIONS
362	Intelligent recognition of erosion damage to concrete based on improved YOLO-v3. <i>Materials Letters</i> , 2021, 302, 130363.	1.3	20
363	Feasibility assessment of infectious keratitis depicted on slit-lamp and smartphone photographs using deep learning. <i>International Journal of Medical Informatics</i> , 2021, 155, 104583.	1.6	19
364	Dual-branch, efficient, channel attention-based crop disease identification. <i>Computers and Electronics in Agriculture</i> , 2021, 190, 106410.	3.7	36
365	Deep learning-based image classification for online multi-coal and multi-class sorting. <i>Computers and Geosciences</i> , 2021, 157, 104922.	2.0	27
366	Local and global explanations of agent behavior: Integrating strategy summaries with saliency maps. <i>Artificial Intelligence</i> , 2021, 301, 103571.	3.9	23
367	Explainable deep learning for efficient and robust pattern recognition: A survey of recent developments. <i>Pattern Recognition</i> , 2021, 120, 108102.	5.1	147
368	Predicting cytotoxicity of binary pollutants towards a human cell panel in environmental water by experimentation and deep learning methods. <i>Chemosphere</i> , 2022, 287, 132324.	4.2	2
369	Towards a better understanding of deep convolutional neural network processes for recognizing organic chemicals of environmental concern. <i>Journal of Hazardous Materials</i> , 2022, 421, 126746.	6.5	1
370	Multi-task driven explainable diagnosis of COVID-19 using chest X-ray images. <i>Pattern Recognition</i> , 2022, 122, 108243.	5.1	41
371	Explainable scale distillation for hyperspectral image classification. <i>Pattern Recognition</i> , 2022, 122, 108316.	5.1	24
372	Joint disease classification and lesion segmentation via one-stage attention-based convolutional neural network in OCT images. <i>Biomedical Signal Processing and Control</i> , 2022, 71, 103087.	3.5	11
373	A Novel Improved Reversible Visible Image Watermarking Algorithm Based on Grad-CAM and JND. <i>Security and Communication Networks</i> , 2021, 2021, 1-17.	1.0	2
374	Interpretation of 3D CNNs for Brain MRI Data Classification. <i>Communications in Computer and Information Science</i> , 2021, , 229-241.	0.4	1
375	End-to-End Deep Learning by MCU Implementation: An Intelligent Gripper for Shape Identification. <i>Sensors</i> , 2021, 21, 891.	2.1	10
376	GAMER MRI: Gated-attention mechanism ranking of multi-contrast MRI in brain pathology. <i>NeuroImage: Clinical</i> , 2021, 29, 102522.	1.4	4
377	A Deep Learning Method for Alerting Emergency Physicians about the Presence of Subphrenic Free Air on Chest Radiographs. <i>Journal of Clinical Medicine</i> , 2021, 10, 254.	1.0	5
378	Limitations and challenges on the diagnosis of COVID-19 using radiology images and deep learning. , 2021, , 91-115.		2
379	HistoClean: Open-source software for histological image pre-processing and augmentation to improve development of robust convolutional neural networks. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 4840-4853.	1.9	5

#	ARTICLE	IF	CITATIONS
380	Are Cardiovascular Risk Scores from Genome and Retinal Image Complementary? A Deep Learning Investigation in a Diabetic Cohort. Lecture Notes in Computer Science, 2021, , 109-118.	1.0	1
381	LayerCAM: Exploring Hierarchical Class Activation Maps for Localization. IEEE Transactions on Image Processing, 2021, 30, 5875-5888.	6.0	227
382	ANC: Attention Network for COVID-19 Explainable Diagnosis Based on Convolutional Block Attention Module. CMES - Computer Modeling in Engineering and Sciences, 2021, 127, 1037-1058.	0.8	30
383	Endoscopic Ultrasound Image Synthesis Using a Cycle-Consistent Adversarial Network. Lecture Notes in Computer Science, 2021, , 169-178.	1.0	1
384	SAISAR-Net: A Robust Sequential Adjustment ISAR Image Classification Network. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	5
385	Visualizing the Behavior of Convolutional Neural Networks for Time Series Forecasting. Studies in Computational Intelligence, 2021, , 63-89.	0.7	0
386	Overcoming Interpretability in Deep Learning Cancer Classification. Methods in Molecular Biology, 2021, 2243, 297-309.	0.4	8
387	Integrated Clinical and CT Based Artificial Intelligence Nomogram for Predicting Severity and Need for Ventilator Support in COVID-19 Patients: A Multi-Site Study. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4110-4118.	3.9	13
388	Pyramidal Multiple Instance Detection Network With Mask Guided Self-Correction for Weakly Supervised Object Detection. IEEE Transactions on Image Processing, 2021, 30, 3029-3040.	6.0	25
389	Image-Based Scam Detection Method Using an Attention Capsule Network. IEEE Access, 2021, 9, 33654-33665.	2.6	17
390	Multi-Scale Convolutional Neural Networks for Classification of Digital Mammograms With Breast Calcifications. IEEE Access, 2021, 9, 114741-114753.	2.6	12
391	Evaluation of visualization performance of CNN models using driver model. , 2021, , .		2
393	Comparison of different machine learning approaches to predict dental age using Demirjian's staging approach. International Journal of Legal Medicine, 2021, 135, 665-675.	1.2	30
394	LAG-Net: Multi-Granularity Network for Person Re-Identification via Local Attention System. IEEE Transactions on Multimedia, 2022, 24, 217-229.	5.2	25
395	Towards Ontologically Explainable Classifiers. Lecture Notes in Computer Science, 2021, , 472-484.	1.0	9
396	Deep Learning Approaches for Detecting COVID-19 From Chest X-Ray Images: A Survey. IEEE Access, 2021, 9, 20235-20254.	2.6	64
397	Occlusion-Sensitive Person Re-Identification via Attribute-Based Shift Attention. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2170-2185.	5.6	28
398	Fine-Tuning Deep Learning Architectures for Early Detection of Oral Cancer. Lecture Notes in Computer Science, 2020, , 25-31.	1.0	11

#	ARTICLE	IF	CITATIONS
399	DeepTFactor: A deep learning-based tool for the prediction of transcription factors. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	45
400	Deep learning for medical image analysis: a brief introduction. Neuro-Oncology Advances, 2020, 2, iv35-iv41.	0.4	15
406	An adversarial approach for the robust classification of pneumonia from chest radiographs. , 2020, , .		14
407	FOIL it! Find One mismatch between Image and Language caption. , 2017, , .		48
408	An Automatic Glioma Segmentation System Using a Multilevel Attention Pyramid Scene Parsing Network. Current Medical Imaging, 2021, 17, 751-761.	0.4	13
409	Automatic Detection of Flavescence Dore Symptoms Across White Grapevine Varieties Using Deep Learning. Frontiers in Artificial Intelligence, 2020, 3, 564878.	2.0	7
410	Development and Validation of an Automated Radiomic CT Signature for Detecting COVID-19. Diagnostics, 2021, 11, 41.	1.3	31
411	Semi-supervised Learning From Demonstration Through Program Synthesis: An Inspection Robot Case Study. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 319, 81-101.	0.8	2
412	A Deep Learning Interpretable Model for Novel Coronavirus Disease (COVID-19) Screening with Chest CT Images. Journal of Biomedical Science and Engineering, 2020, 13, 140-152.	0.2	17
413	Multi-Frequency Residual Convolutional Neural Network for Steganalysis of Color Images. IEEE Access, 2021, 9, 141938-141950.	2.6	3
414	COVID-19 Detection Method from Chest CT Scans via the Fusion of Slice Information and Lung Segmentation. Lecture Notes in Computer Science, 2021, , 155-165.	1.0	0
415	Leveraging Grad-CAM to Improve the Accuracy of Network Intrusion Detection Systems. Lecture Notes in Computer Science, 2021, , 385-400.	1.0	5
416	Google and DeepMind: Deep Learning Systems in Ophthalmology. , 2021, , 161-176.		0
417	Distance-Based Class Activation Map for Metric Learning. Lecture Notes in Computer Science, 2021, , 336-347.	1.0	0
418	Joint Learning of Multi-Level Tasks for Diabetic Retinopathy Grading on Low-Resolution Fundus Images. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 2216-2227.	3.9	19
419	Digital Diagnosis of Hand, Foot, and Mouth Disease Using Hybrid Deep Neural Networks. IEEE Access, 2021, 9, 143481-143494.	2.6	5
420	Interpretability in Contact-Rich Manipulation via Kinodynamic Images. , 2021, , .		2
421	Fault Recognition of Analog Circuits Based on Ultra-Lightweight Subspace Attention Module. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
422	Development and validation of ECG rhythm classification on a multitude of data sources using Deep Learning. , 2021, , .		0
423	Can recurrent models know more than we do?. , 2021, , .		3
424	Deep-learning model for screening sepsis using electrocardiography. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2021, 29, 145.	1.1	12
425	Backdoor Attacks to Deep Neural Network-Based System for COVID-19 Detection from Chest X-ray Images. Applied Sciences (Switzerland), 2021, 11, 9556.	1.3	10
426	Explainability via Interactivity? Supporting Nonexpertsâ€™ Sensemaking of pre-trained CNN by Interacting with Their Daily Surroundings. , 2021, , .		0
427	Classification of Basal Cell Carcinoma in Ex Vivo Confocal Microscopy Images from Freshly Excised Tissues Using a Deep Learning Algorithm. Journal of Investigative Dermatology, 2022, 142, 1291-1299.e2.	0.3	11
428	Predicting microvascular invasion in hepatocellular carcinoma: a deep learning model validated across hospitals. Cancer Imaging, 2021, 21, 56.	1.2	29
429	Multi-Task Learning-Based Immunofluorescence Classification of Kidney Disease. International Journal of Environmental Research and Public Health, 2021, 18, 10798.	1.2	5
430	An Explainable Deep Learning Ensemble Model for Robust Diagnosis of Diabetic Retinopathy Grading. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-24.	3.0	17
431	Multi-scale representation with graph learning for video-based person re-identification. , 2021, , .		0
433	PBTNet: A New Computer-Aided Diagnosis System for Detecting Primary Brain Tumors. Frontiers in Cell and Developmental Biology, 2021, 9, 765654.	1.8	4
434	Head Matters: Explainable Human-centered Trait Prediction from Head Motion Dynamics. , 2021, , .		4
435	Addressing bias in big data and AI for health care: A call for open science. Patterns, 2021, 2, 100347.	3.1	146
436	Accurate Wheat Lodging Extraction from Multi-Channel UAV Images Using a Lightweight Network Model. Sensors, 2021, 21, 6826.	2.1	18
437	Forecasting the Indian Ocean Dipole With Deep Learning Techniques. Geophysical Research Letters, 2021, 48, e2021GL094407.	1.5	18
438	In-depth research on the interpretable disruption predictor in HL-2A. Nuclear Fusion, 2021, 61, 126042.	1.6	6
439	CNN-based Approaches For Cross-Subject Classification in Motor Imagery: From the State-of-The-Art to DynamicNet. , 2021, , .		10
440	Handling Difficult Labels for Multi-label Image Classification via Uncertainty Distillation. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
441	A machine learning-based approach for quantitative grading of vesicoureteral reflux from voiding cystourethrograms: Methods and proof of concept. <i>Journal of Pediatric Urology</i> , 2022, 18, 78.e1-78.e7.	0.6	13
442	Choroidal Neovascularization Screening on OCT-Angiography Choriocapillaris Images by Convolutional Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9313.	1.3	6
443	A deep learning method for predicting knee osteoarthritis radiographic progression from MRI. <i>Arthritis Research and Therapy</i> , 2021, 23, 262.	1.6	25
444	Connecting MHC-I-binding motifs with HLA alleles via deep learning. <i>Communications Biology</i> , 2021, 4, 1194.	2.0	8
445	Spatiotemporal Inconsistency Learning for DeepFake Video Detection. , 2021, , .		48
446	Prediction of postoperative visual acuity after vitrectomy for macular hole using deep learning-based artificial intelligence. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2022, 260, 1113-1123.	1.0	11
447	Reflectance images of effective wavelengths from hyperspectral imaging for identification of Fusarium head blight-infected wheat kernels combined with a residual attention convolution neural network. <i>Computers and Electronics in Agriculture</i> , 2021, 190, 106483.	3.7	24
448	An interpretable deep neural network for colorectal polyp diagnosis under colonoscopy. <i>Knowledge-Based Systems</i> , 2021, 234, 107568.	4.0	14
449	A failure to learn object shape geometry: Implications for convolutional neural networks as plausible models of biological vision. <i>Vision Research</i> , 2021, 189, 81-92.	0.7	12
450	Discovering Unknown Diseases with Explainable Automated Medical Imaging. <i>Communications in Computer and Information Science</i> , 2020, , 346-358.	0.4	0
451	Relation Extraction with Explanation. , 2020, , .		5
452	Research on Vehicle Detection Based on Visual Convolution Network Optimization. <i>Lecture Notes in Computer Science</i> , 2020, , 237-243.	1.0	0
453	Symbolic Explanation Module for Fuzzy Cognitive Map-Based Reasoning Models. <i>Lecture Notes in Computer Science</i> , 2020, , 21-34.	1.0	1
455	Detection of COVID-19 Using Deep Convolutional Neural Network on Chest X-Ray (CXR) Images. , 2021, , .		3
456	Two-Stage Deep Learning Framework for Discrimination between COVID-19 and Community-Acquired Pneumonia from Chest CT scans. <i>Pattern Recognition Letters</i> , 2021, 152, 311-319.	2.6	14
457	AIED: Artificial intelligence for the detection of intracranial interictal epileptiform discharges. <i>Clinical Neurophysiology</i> , 2022, 133, 1-8.	0.7	12
458	A localization method for stagnant water in city road traffic image. <i>Multimedia Tools and Applications</i> , 2022, 81, 2453-2466.	2.6	3
459	Artificial Intelligence Applied to Chest X-Ray Images for the Automatic Detection of COVID-19. A Thoughtful Evaluation Approach. <i>IEEE Access</i> , 2020, 8, 226811-226827.	2.6	70

#	ARTICLE	IF	CITATIONS
460	Joint Optimization of CycleGAN and CNN Classifier for COVID-19 Detection and Biomarker Localization. , 2020, , .		5
461	Attention U-net for Interpretable Classification on Chest X-ray Image. , 2020, , .		2
462	A Comparative Study of Transfer Learning and Fine-Tuning Method on Deep Learning Models for Wayang Dataset Classification. IJID (International Journal on Informatics for Development), 2020, 9, 100-110.	0.5	3
463	Classification of Wildlife Based on Transfer Learning. , 2020, , .		1
464	Deep learning-based automated optical inspection system for crimp connections. , 2020, , .		5
465	Intelligent ice detection on wind turbine blades using semantic segmentation and class activation map approaches based on deep learning method. Renewable Energy, 2022, 182, 1-16.	4.3	25
466	An ensemble deep learning for automatic prediction of papillary thyroid carcinoma using fine needle aspiration cytology. Expert Systems With Applications, 2022, 188, 115927.	4.4	8
469	Efficient and Precise Classification of CT Scannings of Renal Tumors Using Convolutional Neural Networks. Lecture Notes in Computer Science, 2020, , 440-447.	1.0	2
470	DEVELOPMENT OF CONVOLUTIONAL NEURAL NETWORK MODELS FOR FEATURE EXTRACTION OF PVDF MEMBRANE SURFACES. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2020, 76, III_299-III_309.	0.1	0
471	Making Sense of CNNs: Interpreting Deep Representations and Their Invariances with INNs. Lecture Notes in Computer Science, 2020, , 647-664.	1.0	3
472	Principal Semantic Feature Analysis with Covariance Attention. Lecture Notes in Computer Science, 2020, , 217-229.	1.0	0
473	AMLN: Adversarial-Based Mutual Learning Network for Online Knowledge Distillation. Lecture Notes in Computer Science, 2020, , 158-173.	1.0	8
474	Multi-diseases Classification from Chest-X-ray: A Federated Deep Learning Approach. Lecture Notes in Computer Science, 2020, , 3-15.	1.0	9
476	MemoSYS at SemEval-2020 Task 8: Multimodal Emotion Analysis in Memes. , 2020, , .		2
477	Character-Independent Font Identification. Lecture Notes in Computer Science, 2020, , 497-511.	1.0	3
478	An Integrated Deep Architecture for Lesion Detection in Breast MRI. Lecture Notes in Computer Science, 2020, , 646-659.	1.0	0
480	Natural Adversarial Examples. , 2021, , .		233
481	Understanding Failures of Deep Networks via Robust Feature Extraction. , 2021, , .		22

#	ARTICLE	IF	CITATIONS
482	Spatio-temporal Contrastive Domain Adaptation for Action Recognition. , 2021, , .		38
483	DISCO: Dynamic and Invariant Sensitive Channel Obfuscation for deep neural networks. , 2021, , .		11
484	Semi-supervised Semantic Segmentation with Directional Context-aware Consistency. , 2021, , .		95
485	Informative and Consistent Correspondence Mining for Cross-Domain Weakly Supervised Object Detection. , 2021, , .		12
486	TDN: Temporal Difference Networks for Efficient Action Recognition. , 2021, , .		206
487	Generative Interventions for Causal Learning. , 2021, , .		22
488	Context-Sensitive Visualization of Deep Learning Natural Language Processing Models. , 2021, , .		3
489	Learning semantic-specific visual representation for laser welding penetration status recognition. Science China Technological Sciences, 2022, 65, 347-360.	2.0	8
490	Development and Validation of a Deep Learning Strategy for Automated View Classification of Pediatric Focused Assessment With Sonography for Trauma. Journal of Ultrasound in Medicine, 2022, 41, 1915-1924.	0.8	7
491	Coastal Image Classification and Pattern Recognition: Tairua Beach, New Zealand. Sensors, 2021, 21, 7352.	2.1	5
492	Deep learning predicts epidermal growth factor receptor mutation subtypes in lung adenocarcinoma. Medical Physics, 2021, 48, 7891-7899.	1.6	7
493	Believing in black boxes: machine learning for healthcare does not need explainability to be evidence-based. Journal of Clinical Epidemiology, 2022, 142, 252-257.	2.4	37
494	Fine-grained visual explanations for the convolutional neural network via class discriminative deconvolution. Multimedia Tools and Applications, 2022, 81, 2733-2756.	2.6	2
496	Concept-based Explanation for Fine-grained Images and Its Application in Infectious Keratitis Classification. , 2020, , .		11
497	Wood identification of two anatomically similar Cupressaceae species based on two-dimensional microfibril angle mapping. Holzforschung, 2021, 75, 591-602.	0.9	5
498	Towards Grad-CAM Based Explainability in a Legal Text Processing Pipeline. Extended Version. Lecture Notes in Computer Science, 2021, , 154-168.	1.0	7
499	Automated porosity assessment of parts produced by Laser Powder Bed Fusion using Convolutional Neural Networks. Procedia CIRP, 2021, 104, 1434-1439.	1.0	5
500	Remote Sensing Scene Classification via Multi-Branch Local Attention Network. IEEE Transactions on Image Processing, 2022, 31, 99-109.	6.0	59

#	ARTICLE	IF	CITATIONS
501	Automated sleep state classification of wide-field calcium imaging data via multiplex visibility graphs and deep learning. <i>Journal of Neuroscience Methods</i> , 2022, 366, 109421.	1.3	18
502	Combining CNN and Grad-Cam for COVID-19 Disease Prediction and Visual Explanation. <i>Intelligent Automation and Soft Computing</i> , 2022, 32, 723-745.	1.6	34
503	A deep learning fusion model with evidence-based confidence level analysis for differentiation of malignant and benign breast tumors using dynamic contrast enhanced MRI. <i>Biomedical Signal Processing and Control</i> , 2022, 72, 103319.	3.5	9
504	Learning to Automatically Diagnose Multiple Diseases in Pediatric Chest Radiographs Using Deep Convolutional Neural Networks. , 2021, , .		6
505	Towards Solving the DeepFake Problem : An Analysis on Improving DeepFake Detection using Dynamic Face Augmentation. , 2021, , .		34
506	Application of U-Net with Global Convolution Network Module in Computer-Aided Tongue Diagnosis. <i>Journal of Healthcare Engineering</i> , 2021, 2021, 1-15.	1.1	7
507	Explainable AI, But Explainable to Whom? An Exploratory Case Study of xAI in Healthcare. <i>Intelligent Systems Reference Library</i> , 2022, , 169-198.	1.0	11
508	Learning functional group chemistry from molecular images leads to accurate prediction of activity cliffs. <i>Artificial Intelligence in the Life Sciences</i> , 2021, 1, 100022.	1.6	2
509	CLEVR-XAI: A benchmark dataset for the ground truth evaluation of neural network explanations. <i>Information Fusion</i> , 2022, 81, 14-40.	11.7	50
510	Predicting functional outcome in patients with acute brainstem infarction using deep neuroimaging features. <i>European Journal of Neurology</i> , 2022, 29, 744-752.	1.7	3
511	Analyzing artificial intelligence systems for the prediction of atrial fibrillation from sinus-rhythm ECGs including demographics and feature visualization. <i>Scientific Reports</i> , 2021, 11, 22786.	1.6	6
512	Deep learning-based classification of kidney transplant pathology: a retrospective, multicentre, proof-of-concept study. <i>The Lancet Digital Health</i> , 2022, 4, e18-e26.	5.9	43
513	Overview of radiomics in prostate imaging and future directions. <i>British Journal of Radiology</i> , 2022, 95, 20210539.	1.0	7
514	Computed tomography-based deep-learning prediction of induction chemotherapy treatment response in locally advanced nasopharyngeal carcinoma. <i>Strahlentherapie Und Onkologie</i> , 2022, 198, 183-193.	1.0	15
515	A deep learning approach in automated detection of schizophrenia using scalogram images of EEG signals. <i>Physical and Engineering Sciences in Medicine</i> , 2022, 45, 83-96.	1.3	44
516	ResGANet: Residual group attention network for medical image classification and segmentation. <i>Medical Image Analysis</i> , 2022, 76, 102313.	7.0	85
517	Aggregate attention module for fine-grained image classification. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 8335-8345.	3.3	3
518	Explainable artificial intelligence: a comprehensive review. <i>Artificial Intelligence Review</i> , 2022, 55, 3503-3568.	9.7	128

#	ARTICLE	IF	CITATIONS
519	Designing clinically translatable artificial intelligence systems for high-dimensional medical imaging. Nature Machine Intelligence, 2021, 3, 929-935.	8.3	29
520	Explainable Artificial Intelligence for Human-Machine Interaction in Brain Tumor Localization. Journal of Personalized Medicine, 2021, 11, 1213.	1.1	22
521	Nonlinear Hyperparameter Optimization of a Neural Network in Image Processing for Micromachines. Micromachines, 2021, 12, 1504.	1.4	7
522	Mineral Photos Recognition Based on Feature Fusion and Online Hard Sample Mining. Minerals (Basel,) Tj ETQq1 1 0.784314,rgBT /Over	0.8	0
523	Data Augmentation for 12-Lead ECG Beat Classification. SN Computer Science, 2022, 3, 1.	2.3	8
524	Spliceator: multi-species splice site prediction using convolutional neural networks. BMC Bioinformatics, 2021, 22, 561.	1.2	24
525	A multiple position-based bi-branch model for structural defect inspection. Journal of Intelligent Manufacturing, 0, , 1.	4.4	0
526	Deep Transfer Learning Model-Based Automated Detection of COVID-19 from X-ray Images and Interpretation of COVID-19 Images Using GLCM Texture Features. Lecture Notes in Electrical Engineering, 2022, , 581-598.	0.3	0
527	Identification of public submitted tick images: A neural network approach. PLoS ONE, 2021, 16, e0260622.	1.1	4
528	Deep learning-based diagnosis of temporal lobe epilepsy associated with hippocampal sclerosis: An MRI study. Epilepsy Research, 2021, 178, 106815.	0.8	7
529	Intratumoral analysis of digital breast tomosynthesis for predicting the Kiâ€67 level in breast cancer: A multiâ€center radiomics study. Medical Physics, 2022, 49, 219-230.	1.6	9
530	Interpretability of a Deep Learning Based Approach for the Classification of Skin Lesions into Main Anatomic Body Sites. Cancers, 2021, 13, 6048.	1.7	11
531	Improving the classification ability of network utilizing fusion technique in contrastâ€enhanced spectral mammography. Medical Physics, 2022, 49, 966-977.	1.6	5
533	Interpretable Multi-Modal Stacking-Based Ensemble Learning Method for Real Estate Appraisal. IEEE Transactions on Multimedia, 2023, 25, 315-328.	5.2	4
534	Railway Automatic Switch Stationary Contacts Wear Detection Under Few-Shot Occasions. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 14893-14907.	4.7	24
535	MSTA-Net: Forgery Detection by Generating Manipulation Trace Based on Multi-Scale Self-Texture Attention. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 4854-4866.	5.6	51
536	Multimodal deep learning for biomedical data fusion: a review. Briefings in Bioinformatics, 2022, 23, .	3.2	118
539	Towards Developing Better Object Detectors for Real-World Use. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
541	Combining computer vision and deep learning to classify varieties of <i>Prunus dulcis</i> for the nursery plant industry. <i>Journal of Chemometrics</i> , 2022, 36, e3388.	0.7	0
542	Detecting ossification of the posterior longitudinal ligament on plain radiographs using a deep convolutional neural network: a pilot study. <i>Spine Journal</i> , 2022, 22, 934-940.	0.6	4
543	Deep Recursive Embedding for High-Dimensional Data. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2022, 28, 1237-1248.	2.9	3
544	Using convolutional neural networks to classify melt pools in a pulsed selective laser melting process. <i>Journal of Manufacturing Processes</i> , 2022, 74, 486-499.	2.8	12
545	Explainable process trace classification: An application to stroke. <i>Journal of Biomedical Informatics</i> , 2022, 126, 103981.	2.5	7
546	Extendable and explainable deep learning for pan-cancer radiogenomics research. <i>Current Opinion in Chemical Biology</i> , 2022, 66, 102111.	2.8	11
547	SCWC: Structured channel weight sharing to compress convolutional neural networks. <i>Information Sciences</i> , 2022, 587, 82-96.	4.0	9
548	A lightweight detector based on attention mechanism for aluminum strip surface defect detection. <i>Computers in Industry</i> , 2022, 136, 103585.	5.7	41
549	DeepRings: A Concentric-Ring Based Visualization to Understand Deep Learning Models. , 2020, , .		1
550	Differentiation of gender from macular optical coherence tomography using deep learning. , 2020, , .		0
551	3D Residual Networks with Channel-Spatial Attention Module for Action Recognition. , 2020, , .		1
553	Explainable Artificial Intelligence (XAI): How the Visualization of AI Predictions Affects User Cognitive Load and Confidence. <i>Lecture Notes in Information Systems and Organisation</i> , 2021, , 237-246.	0.4	7
554	Explainable Deep Learning. , 2021, , 217-260.		0
555	A Hybrid Explainable AI Framework Applied to Global and Local Facial Expression Recognition. , 2021, , .		6
556	Textile Taxonomy and Classification Using Pulling and Twisting. , 2021, , .		6
557	Detecting Post Hurricane House Damage Using Geographic Information Related Multi-Resource Classification Model. , 2021, , .		0
558	Understanding CNN's Decision Making on OCT-based AMD Detection. , 2021, , .		0
559	ERGA. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
560	Malaria Disease Diagnosis from a Blood Smear Samples using the Deep Learning MobileNet Models. , 2021, , .		0
561	Deep learning-based context aggregation network for tumor diagnosis. , 2021, , .		0
562	Visual interpretability analysis of Deep CNNs using an Adaptive Threshold method on Diabetic Retinopathy images. , 2021, , .		2
563	Deep Active Learning for Text Classification with Diverse Interpretations. , 2021, , .		5
564	Identifying Irregular Objects in Scenes: Semantic Segmentation Network Based on Multi-path Irregular Convolution. , 2021, , .		0
565	The Role of Explanations in Human-Machine Learning. , 2021, , .		0
566	Image-Based Differentiation of Bacterial and Fungal Keratitis Using Deep Convolutional Neural Networks. Ophthalmology Science, 2022, 2, 100119.	1.0	22
567	Artificial Intelligence for Classifying and Archiving Orthodontic Images. BioMed Research International, 2022, 2022, 1-11.	0.9	3
568	Delve: Neural Network Feature Variance Analysis. Journal of Open Source Software, 2022, 7, 3992.	2.0	0
569	LWCNN: a lightweight convolutional neural network for agricultural crop protection. Multimedia Tools and Applications, 2022, 81, 22323-22334.	2.6	4
570	An Improved Action Recognition Network With Temporal Extraction and Feature Enhancement. IEEE Access, 2022, 10, 13926-13935.	2.6	5
571	Transferrable Framework Based on Knowledge Graphs for Generating Explainable Results in Domain-Specific, Intelligent Information Retrieval. Informatics, 2022, 9, 6.	2.4	0
572	Automatic Early Detection of Wildfire Smoke With Visible Light Cameras Using Deep Learning and Visual Explanation. IEEE Access, 2022, 10, 12814-12828.	2.6	6
573	Expediting DECam Multimessenger Counterpart Searches with Convolutional Neural Networks. Astrophysical Journal, 2022, 925, 44.	1.6	2
574	A Novel Integration of IF-DEMATEL and TOPSIS for the Classifier Selection Problem in Assistive Technology Adoption for People with Dementia. International Journal of Environmental Research and Public Health, 2022, 19, 1133.	1.2	7
575	Artificial intelligence in orthopedics: three strategies for deep learning with orthopedic specific imaging. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 758-761.	2.3	22
576	Cross-layer progressive attention bilinear fusion method for fine-grained visual classification. Journal of Visual Communication and Image Representation, 2022, 82, 103414.	1.7	3
577	Evaluation of multi-task learning in deep learning-based positioning classification of mandibular third molars. Scientific Reports, 2022, 12, 684.	1.6	11

#	ARTICLE	IF	CITATIONS
578	Deep hashing with self-supervised asymmetric semantic excavation and margin-scalable constraint. <i>Neurocomputing</i> , 2022, 483, 87-104.	3.5	1
579	An Explainable Laser Welding Defect Recognition Method Based on Multi-Scale Class Activation Mapping. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-12.	2.4	6
580	Multi-label classification of pelvic organ prolapse using stress magnetic resonance imaging with deep learning. <i>International Urogynecology Journal</i> , 2022, 33, 2869-2877.	0.7	4
581	Multiple instance learning detects peripheral arterial disease from high-resolution color fundus photography. <i>Scientific Reports</i> , 2022, 12, 1389.	1.6	9
582	An automated COVID-19 triage pipeline using artificial intelligence based on chest radiographs and clinical data. <i>Npj Digital Medicine</i> , 2022, 5, 5.	5.7	22
583	Locoregional Recurrence Prediction Using a Deep Neural Network of Radiological and Radiotherapy Images. <i>Journal of Personalized Medicine</i> , 2022, 12, 143.	1.1	3
584	Improving Deep Neural Network Interpretation for Neuroimaging Using Multivariate Modeling. <i>SN Computer Science</i> , 2022, 3, 1.	2.3	2
585	Deep learning based high-throughput phenotyping of chalkiness in rice exposed to high night temperature. <i>Plant Methods</i> , 2022, 18, 9.	1.9	12
586	Classification of Diabetic Retinopathy Severity Based on GCA Attention Mechanism. <i>IEEE Access</i> , 2022, 10, 2729-2739.	2.6	13
587	A Transfer Learning Radiomics Nomogram for Preoperative Prediction of Borrmann Type IV Gastric Cancer From Primary Gastric Lymphoma. <i>Frontiers in Oncology</i> , 2021, 11, 802205.	1.3	11
588	Humanâ€“Computer Interaction-Oriented African Literature and African Philosophy Appreciation. <i>Frontiers in Psychology</i> , 2021, 12, 808414.	1.1	1
589	Efficient and visualizable convolutional neural networks for COVID-19 classification using Chest CT. <i>Expert Systems With Applications</i> , 2022, 195, 116540.	4.4	30
590	Path Signature Neural Network of Cortical Features for Prediction of Infant Cognitive Scores. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 1665-1676.	5.4	5
591	Disrupted Association of Sensory Neurons With Enveloping Satellite Glial Cells in Fragile X Mouse Model. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 796070.	1.4	1
592	Diagnosis of Middle Cerebral Artery Stenosis Using Transcranial Doppler Images Based on Convolutional Neural Network. <i>World Neurosurgery</i> , 2022, 161, e118-e125.	0.7	4
593	Prolificacy Assessment of Spermatozoan via State-of-the-Art Deep Learning Frameworks. <i>IEEE Access</i> , 2022, 10, 13715-13727.	2.6	13
594	Exploring Local Detail Perception for Scene Sketch Semantic Segmentation. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 1447-1461.	6.0	7
595	A Systematic Review of Explainable Artificial Intelligence in Terms of Different Application Domains and Tasks. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1353.	1.3	91

#	ARTICLE	IF	CITATIONS
596	Deep Learning Image Analysis of High-Throughput Toxicology Assay Images. <i>SLAS Discovery</i> , 2022, 27, 29-38.	1.4	3
597	Convolutional Neural Network Models Help Effectively Estimate Legume Coverage in Grass-Legume Mixed Swards. <i>Frontiers in Plant Science</i> , 2021, 12, 763479.	1.7	2
598	Research on image sentiment analysis technology based on sparse representation. <i>CAAI Transactions on Intelligence Technology</i> , 2022, 7, 354-368.	3.4	6
599	Multi-Scale Pathological Fluid Segmentation in OCT With a Novel Curvature Loss in Convolutional Neural Network. <i>IEEE Transactions on Medical Imaging</i> , 2022, 41, 1547-1559.	5.4	20
600	Deep Ensemble Learning-Based Models for Diagnosis of COVID-19 from Chest CT Images. <i>Healthcare (Switzerland)</i> , 2022, 10, 166.	1.0	15
601	CX-ToM: Counterfactual explanations with theory-of-mind for enhancing human trust in image recognition models. <i>IScience</i> , 2022, 25, 103581.	1.9	19
602	COV-ECGNET: COVID-19 detection using ECG trace images with deep convolutional neural network. <i>Health Information Science and Systems</i> , 2022, 10, 1.	3.4	66
603	An attention-based prototypical network for forest fire smoke few-shot detection. <i>Journal of Forestry Research</i> , 2022, 33, 1493-1504.	1.7	5
604	The MAME dataset: on the relevance of high resolution and variable shape image properties. <i>Applied Intelligence</i> , 2022, 52, 11703-11724.	3.3	2
605	Automated rock mass condition assessment during TBM tunnel excavation using deep learning. <i>Scientific Reports</i> , 2022, 12, 1722.	1.6	6
606	Deep Learning for Radiotherapy Outcome Prediction Using Dose Data – A Review. <i>Clinical Oncology</i> , 2022, 34, e87-e96.	0.6	19
607	Exploring convolutional neural networks with transfer learning for diagnosing Lyme disease from skin lesion images. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 215, 106624.	2.6	16
608	A multi-task two-path deep learning system for predicting the invasiveness of craniopharyngioma. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 216, 106651.	2.6	4
609	A Method of Hierarchical Feature Fusion and Connected Attention Architecture for Pavement Crack Detection. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 16038-16047.	4.7	14
611	Natural Images Allow Universal Adversarial Attacks on Medical Image Classification Using Deep Neural Networks with Transfer Learning. <i>Journal of Imaging</i> , 2022, 8, 38.	1.7	10
612	Image-Based Learning Using Gradient Class Activation Maps for Enhanced Physiological Interpretability of Motor Imagery Skills. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1695.	1.3	4
614	Construction of an end-to-end regression neural network for the determination of a quantitative index sagittal root inclination. <i>Journal of Periodontology</i> , 2022, 93, 1951-1960.	1.7	3
615	High-Throughput Recognition of Tumor Cells Using Label-Free Elemental Characteristics Based on Interpretable Deep Learning. <i>Analytical Chemistry</i> , 2022, 94, 3158-3164.	3.2	10

#	ARTICLE	IF	CITATIONS
616	Research on Maize Seed Classification and Recognition Based on Machine Vision and Deep Learning. Agriculture (Switzerland), 2022, 12, 232.	1.4	31
617	XEM: An explainable-by-design ensemble method for multivariate time series classification. Data Mining and Knowledge Discovery, 2022, 36, 917-957.	2.4	20
618	Dual attention based network for skin lesion classification with auxiliary learning. Biomedical Signal Processing and Control, 2022, 74, 103549.	3.5	12
619	XCM: An Explainable Convolutional Neural Network for Multivariate Time Series Classification. Mathematics, 2021, 9, 3137.	1.1	48
620	Ensemble Image Explainable AI (XAI) Algorithm for Severe Community-Acquired Pneumonia and COVID-19 Respiratory Infections. IEEE Transactions on Artificial Intelligence, 2023, 4, 242-254.	3.4	18
621	Identification of Historic Urban Landscapes Using a Comparative Approach Based on Deep Learning Classification Techniques. SSRN Electronic Journal, 0, , .	0.4	0
622	Double Granularity Relation Network with Self-criticism for Occluded Person Re-identification. Lecture Notes in Computer Science, 2022, , 325-338.	1.0	1
623	Interpretable-ADMET: a web service for ADMET prediction and optimization based on deep neural representation. Bioinformatics, 2022, 38, 2863-2871.	1.8	21
627	Comparative study of xAI layer-wise algorithms with a Robust Recommendation framework of Inductive Clustering for Polyp Segmentation and Classification. , 2022, , .		0
628	Case Study: Analysis of Autonomous Center Line Tracking Neural Networks. Lecture Notes in Computer Science, 2022, , 104-121.	1.0	1
631	On Black-Box Explanation for Face Verification. , 2022, , .		7
632	Explainability of the Implications of Supervised and Unsupervised Face Image Quality Estimations Through Activation Map Variation Analyses in Face Recognition Models. , 2022, , .		4
634	Automatic Abdominal Hernia Mesh Detection Based on YOLOM. IEEE Access, 2022, 10, 31420-31431.	2.6	3
635	TSGB: Target-Selective Gradient Backprop for Probing CNN Visual Saliency. IEEE Transactions on Image Processing, 2022, 31, 2529-2540.	6.0	6
636	Transfer-Learning-Based Approach for the Diagnosis of Lung Diseases from Chest X-ray Images. Entropy, 2022, 24, 313.	1.1	7
637	ExoMiner: A Highly Accurate and Explainable Deep Learning Classifier That Validates 301 New Exoplanets. Astrophysical Journal, 2022, 926, 120.	1.6	24
638	Adversarial Fusion Network for Forest Fire Smoke Detection. Forests, 2022, 13, 366.	0.9	3
639	Residual attention learning network and SVM for malaria parasite detection. Multimedia Tools and Applications, 2022, 81, 10935-10960.	2.6	6

#	ARTICLE	IF	CITATIONS
640	Evaluation and interpretation of convolutional long short-term memory networks for regional hydrological modelling. <i>Hydrology and Earth System Sciences</i> , 2022, 26, 795-825.	1.9	13
641	SNIP-FSL: Finding task-specific lottery jackpots for few-shot learning. <i>Knowledge-Based Systems</i> , 2022, 247, 108427.	4.0	2
642	Toward a Holistic Approach to the Socio-historical Analysis of Vernacular Photos. <i>ACM Transactions on Multimedia Computing, Communications and Applications</i> , 2022, 18, 1-23.	3.0	2
643	Interpretable tumor differentiation grade and microsatellite instability recognition in gastric cancer using deep learning. <i>Laboratory Investigation</i> , 2022, 102, 641-649.	1.7	10
644	Methods of image recognition of overhead power line insulators and ice types based on deep weakly-supervised and transfer learning. <i>IET Generation, Transmission and Distribution</i> , 2022, 16, 2140-2153.	1.4	14
645	Protocol for the diagnosis of keratoconus using convolutional neural networks. <i>PLoS ONE</i> , 2022, 17, e0264219.	1.1	2
646	MRI-Based Classification of Neuropsychiatric Systemic Lupus Erythematosus Patients With Self-Supervised Contrastive Learning. <i>Frontiers in Neuroscience</i> , 2022, 16, 695888.	1.4	3
647	Interpretable instance disease prediction based on causal feature selection and effect analysis. <i>BMC Medical Informatics and Decision Making</i> , 2022, 22, 51.	1.5	2
648	Automated Diagnosis of Cervical Intraepithelial Neoplasia in Histology Images via Deep Learning. <i>Diagnostics</i> , 2022, 12, 548.	1.3	9
649	Efficient channel expansion and pyramid depthwise-pointwise-depthwise neural networks. <i>Applied Intelligence</i> , 2022, 52, 12860-12872.	3.3	1
650	Pretreatment DCE-MRI-Based Deep Learning Outperforms Radiomics Analysis in Predicting Pathologic Complete Response to Neoadjuvant Chemotherapy in Breast Cancer. <i>Frontiers in Oncology</i> , 2022, 12, 846775.	1.3	12
651	Automatic Classification Framework of Tongue Feature Based on Convolutional Neural Networks. <i>Micromachines</i> , 2022, 13, 501.	1.4	14
652	Deep Convolutional Network with Pixel-Aware Attention for Smoke Recognition. <i>Fire Technology</i> , 2022, 58, 1839-1862.	1.5	4
653	VC-YOLO: Towards Real-Time Object Detection in Aerial Images. <i>Journal of Circuits, Systems and Computers</i> , 2022, 31, .	1.0	4
654	Multi-center evaluation of artificial intelligent imaging and clinical models for predicting neoadjuvant chemotherapy response in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2022, 193, 121-138.	1.1	12
655	Identifying and extracting bark key features of 42 tree species using convolutional neural networks and class activation mapping. <i>Scientific Reports</i> , 2022, 12, 4772.	1.6	5
656	Automatic Ceiling Damage Detection in Large-Span Structures Based on Computer Vision and Deep Learning. <i>Sustainability</i> , 2022, 14, 3275.	1.6	11
657	Multi-task Deep Learning of Myocardial Blood Flow and Cardiovascular Risk Traits from PET Myocardial Perfusion Imaging. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 3300-3310.	1.4	3

#	ARTICLE	IF	CITATIONS
658	Cross-Domain Traffic Scene Understanding by Integrating Deep Learning and Topic Model. Computational Intelligence and Neuroscience, 2022, 2022, 1-15.	1.1	0
659	GWSkyNet-Multi: A Machine-learning Multiclass Classifier for LIGO's Virgo Public Alerts. Astrophysical Journal, 2022, 927, 232.	1.6	4
660	Development and Validation of Artificial Intelligence-based Method for Diagnosis of Mitral Regurgitation from Chest Radiographs. Radiology: Artificial Intelligence, 2022, 4, e210221.	3.0	7
661	Voxel-wise supervised analysis of tumors with multimodal engineered features to highlight interpretable biological patterns. Medical Physics, 2022, 49, 3816-3829.	1.6	12
662	AI and Clinical Decision Making: The Limitations and Risks of Computational Reductionism in Bowel Cancer Screening. Applied Sciences (Switzerland), 2022, 12, 3341.	1.3	7
664	Exploring Histological Similarities Across Cancers From a Deep Learning Perspective. Frontiers in Oncology, 2022, 12, 842759.	1.3	1
665	Identification of tropical cyclones via deep convolutional neural network based on satellite cloud images. Atmospheric Measurement Techniques, 2022, 15, 1829-1848.	1.2	6
666	An improved YOLO Nano model for dorsal hand vein detection system. Medical and Biological Engineering and Computing, 2022, 60, 1225-1237.	1.6	2
667	Counterfactual Explanation of Brain Activity Classifiers Using Image-To-Image Transfer by Generative Adversarial Network. Frontiers in Neuroinformatics, 2021, 15, 802938.	1.3	1
668	An original deep learning model using limited data for COVID-19 discrimination: A multicenter study. Medical Physics, 2022, 49, 3874-3885.	1.6	4
669	Clinical Explainability Failure (CEF) & Explainability Failure Ratio (EFR) - Changing the Way We Validate Classification Algorithms. Journal of Medical Systems, 2022, 46, 20.	2.2	9
670	Categorized contrast enhanced mammography dataset for diagnostic and artificial intelligence research. Scientific Data, 2022, 9, 122.	2.4	11
671	Artificial intelligence-based detection of atrial fibrillation from chest radiographs. European Radiology, 2022, 32, 5890-5897.	2.3	8
672	<scp>MRI</scp>-Based Computer-Aided Diagnostic Model to Predict Tumor Grading and Clinical Outcomes in Patients With Soft Tissue Sarcoma. Journal of Magnetic Resonance Imaging, 2022, 56, 1733-1745.	1.9	7
673	Artificial intelligence for caries and periapical periodontitis detection. Journal of Dentistry, 2022, 122, 104107.	1.7	28
674	Current State and Future Perspectives of Artificial Intelligence for Automated Coronary Angiography Imaging Analysis in Patients with Ischemic Heart Disease. Current Cardiology Reports, 2022, 24, 365-376.	1.3	6
675	Learning of physically significant features from earth observation data: an illustration for crop classification and irrigation scheme detection. Neural Computing and Applications, 2022, 34, 10929-10948.	3.2	1
676	Novel computer aided diagnostic models on multimodality medical images to differentiate well differentiated liposarcomas from lipomas approached by deep learning methods. Orphanet Journal of Rare Diseases, 2022, 17, 158.	1.2	19

#	ARTICLE	IF	CITATIONS
677	Phenotype guided interpretable graph convolutional network analysis of fMRI data reveals changing brain connectivity during adolescence. , 2022, , .		1
678	Abnormal phaseâ€“amplitude coupling characterizes the interictal state in epilepsy. Journal of Neural Engineering, 2022, 19, 026056.	1.8	4
679	A tutorial on automatic hyperparameter tuning of deep spectral modelling for regression and classification tasks. Chemometrics and Intelligent Laboratory Systems, 2022, 223, 104520.	1.8	52
680	Machine learning algorithm for classification of breast ultrasound images. , 2022, , .		0
681	Toward smarter management and recovery of municipal solid waste: A critical review on deep learning approaches. Journal of Cleaner Production, 2022, 346, 130943.	4.6	63
682	ROULETTE: A neural attention multi-output model for explainable Network Intrusion Detection. Expert Systems With Applications, 2022, 201, 117144.	4.4	17
683	Dual-attention EfficientNet based on multi-view feature fusion for cervical squamous intraepithelial lesions diagnosis. Biocybernetics and Biomedical Engineering, 2022, 42, 529-542.	3.3	7
684	An Improved CenterNet Model for Insulator Defect Detection Using Aerial Imagery. Sensors, 2022, 22, 2850.	2.1	22
685	Discriminating cell line specific features of antibioticâ€“resistant strains of <i>Escherichia coli</i> from Raman spectra via machine learning analysis. Journal of Biophotonics, 2022, , e202100274.	1.1	3
686	Deep Segmentation Feature-Based Radiomics Improves Recurrence Prediction of Hepatocellular Carcinoma. BME Frontiers, 2022, 2022, .	2.2	3
687	LARNet-STC: Spatio-temporal orthogonal region selection network for laryngeal closure detection in endoscopy videos. Computers in Biology and Medicine, 2022, 144, 105339.	3.9	3
688	Visually aligned sound generation via sound-producing motion parsing. Neurocomputing, 2022, 492, 1-15.	3.5	0
689	Visual explanation of black-box model:Â“Similarity Difference and Uniqueness (SIDU) method. Pattern Recognition, 2022, 127, 108604.	5.1	11
690	A novel approach for detection of COVID-19 and Pneumonia using only binary classification from chest CT-scans. Neuroscience Informatics, 2022, 2, 100069.	2.8	17
691	Generating Attribution Maps with Disentangled Masked Backpropagation. , 2021, , .		2
692	Global Reconstructed and Contrastive Prototypical Network for Few-shot Learning. , 2021, , .		0
693	Removing Adversarial Noise in Class Activation Feature Space. , 2021, , .		8
694	Weakly Supervised 3D Semantic Segmentation Using Cross-Image Consensus and Inter-Voxel Affinity Relations. , 2021, 2021, 2814-2824.		6

#	ARTICLE	IF	CITATIONS
695	Multi-paths Deep Convolutional Neural Network Based on Knowledge Distillation. , 2021, , .		1
696	Do Different Deep Metric Learning Losses Lead to Similar Learned Features?. , 2021, , .		3
697	FINet: Feature Interactions Across Dimensions and Hierarchies for Camera Localization. , 2021, , .		0
698	An Integrated AI Medical Diagnosis Application Based on Deep Learning. , 2021, , .		0
699	A Hybrid Approach based on Deep Learning for Gender Recognition Using Human Ear Images. Journal of the Faculty of Engineering and Architecture of Gazi University, 2022, 37, 1579-1594.	0.3	4
700	Interpreting and Comparing Convolutional Neural Networks: A Quantitative Approach. , 2021, , .		1
701	Combining collective and artificial intelligence for global health diseases diagnosis using crowdsourced annotated medical images. , 2021, 2021, 3344-3348.		4
702	Prediction Performance and Explainability of COVID-19 Classification Models. , 2021, , .		0
703	UAV-based cross-view geo-localization fusion spatial attention mechanism and Netvlad. , 2021, , .		0
704	Speech Based Affective Analysis of Patients Embedded in Telemedicine Platforms. , 2021, 2021, 1857-1860.		0
705	Deep Learning Supplants Visual Analysis by Experienced Operators for the Diagnosis of Cardiac Amyloidosis by Cine-CMR. Diagnostics, 2022, 12, 69.	1.3	4
706	Unsupervised Compound Domain Adaptation for Face Anti-Spoofing. , 2021, , .		5
707	Chest X-Rays Image Classification from β Variational Autoencoders Latent Features. , 2021, , .		0
708	Predicting YOLO Mis-detection by Learning Grid Cell Consensus. , 2021, , .		1
709	COVID-19 Interpretable Diagnosis Algorithm Based on a Small Number of Chest X-Ray Samples. Journal of Shanghai Jiaotong University (Science), 2022, 27, 81-89.	0.5	1
710	Deep learning nomogram for predicting lymph node metastasis using computed tomography image in cervical cancer. Acta Radiologica, 2023, 64, 360-369.	0.5	4
711	CGENet: A Deep Graph Model for COVID-19 Detection Based on Chest CT. Biology, 2022, 11, 33.	1.3	25
712	Superhuman cell death detection with biomarker-optimized neural networks. Science Advances, 2021, 7, eabf8142.	4.7	10

#	ARTICLE	IF	CITATIONS
713	Explainable Deep Learning Models on the Diagnosis of Pneumonia. , 2021, , .		2
714	A ROBUST DEEP LEARNING APPROACH TO ENHANCE THE ACCURACY OF POMEGRANATE FRUIT DISEASE DETECTION UNDER REAL FIELD CONDITION. Journal of Experimental Biology and Agricultural Sciences, 2021, 9, 863-870.	0.1	1
715	Ubi-SleepNet. , 2021, 5, 1-33.		2
716	Deep Convolutional Neural Networks for Fish Weight Prediction from Images. , 2021, , .		4
717	Data Enhancement Technology Based on I-GOS Algorithm. , 2021, , .		1
718	Recurrent processing improves occluded object recognition and gives rise to perceptual hysteresis. Journal of Vision, 2021, 21, 6.	0.1	3
719	Visualization of CNN Transient Voltage Classification Based on Feature Recognition and Enhancement. , 2021, , .		3
720	MD-CSDNetwork: Multi-Domain Cross Stitched Network for Deepfake Detection. , 2021, , .		5
721	Activation Landscapes as a Topological Summary of Neural Network Performance. , 2021, , .		2
722	COVID-19 Prognostic Models: A Pro-con Debate for Machine Learning vs. Traditional Statistics. Frontiers in Digital Health, 2021, 3, 637944.	1.5	2
723	Can ADAS Distract Driverâ€™s Attention? An RGB-D Camera and Deep Learning-Based Analysis. Applied Sciences (Switzerland), 2021, 11, 11587.	1.3	4
724	Towards Real Time Interpretable Object Detection for UAV Platform by Saliency Maps. , 2021, , .		0
727	Traffic flow prediction models â€“ A review of deep learning techniques. Cogent Engineering, 2022, 9, .	1.1	50
728	Identification of Oil Tea (Camellia oleifera C.Abel) Cultivars Using EfficientNet-B4 CNN Model with Attention Mechanism. Forests, 2022, 13, 1.	0.9	22
729	Deep Learning Applied to SEM Images for Supporting Marine Coralline Algae Classification. Diversity, 2021, 13, 640.	0.7	8
730	A deep transferable motion-adaptive fault detection method for industrial robots using a residualâ€™convolutional neural network. ISA Transactions, 2022, 128, 521-534.	3.1	15
731	Artificial intelligence-based detection of aortic stenosis from chest radiographs. European Heart Journal Digital Health, 2022, 3, 20-28.	0.7	9
732	A CT-based deep learning model for subsolid pulmonary nodules to distinguish minimally invasive adenocarcinoma and invasive adenocarcinoma. European Journal of Radiology, 2021, 145, 110041.	1.2	2

#	ARTICLE	IF	CITATIONS
733	Deep neural network for the determination of transformed foci in Bhas 42 cell transformation assay. Scientific Reports, 2021, 11, 23344.	1.6	2
734	Deep learning reveals personalized spatial spectral abnormalities of high delta and low alpha bands in EEG of patients with early Parkinson's disease. Journal of Neural Engineering, 2021, 18, 066036.	1.8	14
735	Transformer for Computer-Aided Diagnosis of Laryngeal Carcinoma in pCLE Images. , 2021, , .		1
736	Intraoperative Glioma Grading Using Neural Architecture Search and Multi-Modal Imaging. IEEE Transactions on Medical Imaging, 2022, 41, 2570-2581.	5.4	8
737	Understanding required to consider AI applications to the field of ophthalmology. Taiwan Journal of Ophthalmology, 2022, .	0.3	4
738	Allosteric control of ACE2 peptidase domain dynamics. Organic and Biomolecular Chemistry, 2022, 20, 3605-3618.	1.5	3
739	Co-Saliency Detection Guided by Group Weakly Supervised Learning. IEEE Transactions on Multimedia, 2023, 25, 1810-1818.	5.2	34
740	Explaining the Predictions of Unsupervised Learning Models. Lecture Notes in Computer Science, 2022, , 117-138.	1.0	8
741	Explainable AI in Neural Networks Using Shapley Values. Intelligent Systems Reference Library, 2022, , 59-72.	1.0	2
742	Correlation Between Attention Heads of BERT. , 2022, , .		0
743	Facial Feature Identification in the Deep Learning Based Apparent Personality Detection. , 2022, , .		0
744	Automated Disease Detection in Gastroscopy Videos Using Convolutional Neural Networks. Frontiers in Medicine, 2022, 9, 846024.	1.2	1
745	Non-destructive Plant Biomass Monitoring With High Spatio-Temporal Resolution via Proximal RGB-D Imagery and End-to-End Deep Learning. Frontiers in Plant Science, 2022, 13, 758818.	1.7	17
746	Artificial intelligence assessment for early detection and prediction of renal impairment using electrocardiography. International Urology and Nephrology, 2022, , 1.	0.6	3
748	Wood construction damage detection and localization using deep convolutional neural network with transfer learning. European Journal of Wood and Wood Products, 2022, 80, 791-804.	1.3	6
749	A novel image representation of GNSS correlation for deep learning multipath detection. Array, 2022, 14, 100167.	2.5	3
750	Interpretability, personalization and reliability of a machine learning based clinical decision support system. Data Mining and Knowledge Discovery, 2022, 36, 1140-1173.	2.4	7
751	Temporal and Locational Values of Images Affecting the Deep Learning of Cancer Stem Cell Morphology. Biomedicines, 2022, 10, 941.	1.4	3

#	ARTICLE	IF	CITATIONS
752	Identification of osteoporosis using ensemble deep learning model with panoramic radiographs and clinical covariates. <i>Scientific Reports</i> , 2022, 12, 6088.	1.6	21
753	Weakly supervised attention model for RV strain classification from volumetric CTPA scans. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 220, 106815.	2.6	3
755	Pediatric chest radiograph interpretation: how far has artificial intelligence come? A systematic literature review. <i>Pediatric Radiology</i> , 2022, 52, 1568-1580.	1.1	16
756	An EEG-based systematic explainable detection framework for probing and localizing abnormal patterns in Alzheimer's disease. <i>Journal of Neural Engineering</i> , 2022, 19, 036007.	1.8	2
757	Histopathology-Based Diagnosis of Oral Squamous Cell Carcinoma Using Deep Learning. <i>Journal of Dental Research</i> , 2022, 101, 1321-1327.	2.5	17
758	DLI-Net: Dual Local Interaction Network for Fine-Grained Sketch-Based Image Retrieval. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 7177-7189.	5.6	5
759	Motion-Robust Atrial Fibrillation Detection Based on Remote-Photoplethysmography. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2023, 27, 2705-2716.	3.9	9
760	Visual Semantic Context Encoding for Aerial Data Introspection and Domain Prediction. <i>Lecture Notes in Computer Science</i> , 2022, , 433-446.	1.0	0
761	Quantitative Visualization of Differentiated Importance of Nodular Regions for Malignancy Prediction by Class Activation Map and its Variant. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
762	Improved Residual Network for Automatic Classification Grading of Lettuce Freshness. <i>IEEE Access</i> , 2022, 10, 44315-44325.	2.6	5
763	A Novel Block-wise Attention Method: Focus-and-Association Networks. , 2022, , .		0
764	Efficient Identification of Melanocytic Nuclei in Pathology Images for Melanoma Diagnosis Using A Weakly-Supervised Deep Learning Framework. , 2022, , .		1
765	Improving Human Sperm Head Morphology Classification With Unsupervised Anatomical Feature Distillation. , 2022, , .		2
766	On The Impact of Self-Supervised Learning in Skin Cancer Diagnosis. , 2022, , .		4
767	Spatial Position Estimation Method for 3D Ultrasound Reconstruction Based on Hybrid Transformers. , 2022, , .		6
768	Implementation of a Control Strategy for Hydrodynamics of a Stirred Liquid-Liquid Extraction Column Based on Convolutional Neural Networks. <i>ACS Engineering Au</i> , 2022, 2, 369-377.	2.3	8
769	Alzheimer's Disease Diagnosis With Brain Structural MRI Using Multiview-Slice Attention and 3D Convolution Neural Network. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 871706.	1.7	10
770	Generating Perturbation-based Explanations with Robustness to Out-of-Distribution Data. , 2022, , .		7

#	ARTICLE	IF	CITATIONS
771	Machine learning recognition of protein secondary structures based on two-dimensional spectroscopic descriptors. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2202713119.	3.3	16
772	Interpretable Directed Diversity: Leveraging Model Explanations for Iterative Crowd Ideation. , 2022, , .		3
773	BZNet: Unsupervised Multi-scale Branch Zooming Network for Detecting Low-quality Deepfake Videos. , 2022, , .		4
774	Harnessing feature extraction capacities from a pre-trained convolutional neural network (VGG-16) for the unsupervised distinction of aortic outflow velocity profiles in patients with severe aortic stenosis. European Heart Journal Digital Health, 2022, 3, 153-168.	0.7	6
775	An empirical study of preprocessing techniques with convolutional neural networks for accurate detection of chronic ocular diseases using fundus images. Applied Intelligence, 2023, 53, 1548-1566.	3.3	9
776	Convolutional neural network-based system for endocytoscopic diagnosis of early gastric cancer. BMC Gastroenterology, 2022, 22, 237.	0.8	4
777	A deep learning-based approach for the diagnosis of adrenal adenoma: a new trial using CT. British Journal of Radiology, 2022, 95, 20211066.	1.0	5
778	Histokt: Cross Knowledge Transfer in Computational Pathology. , 2022, , .		7
779	Competitive Multi-Agent Reinforcement Learning with Self-Supervised Representation. , 2022, , .		0
780	ExSpliNet: An interpretable and expressive spline-based neural network. Neural Networks, 2022, 152, 332-346.	3.3	3
781	Reply to Comment on "A novel transfer learning bearing fault diagnosis method based on multiple-source domain adaptation"™. Measurement Science and Technology, 2022, 33, 098001.	1.4	1
782	Oâ€™TRAIN: A robust and flexible "real or bogus"™ classifier for the study of the optical transient sky. Astronomy and Astrophysics, 2022, 664, A81.	2.1	3
783	Hierarchical goals contextualize local reward decomposition explanations. Neural Computing and Applications, 2023, 35, 16693-16704.	3.2	4
784	A Deep Learning-Based Facial Acne Classification System. Clinical, Cosmetic and Investigational Dermatology, 2022, Volume 15, 851-857.	0.8	4
785	A Robust 3D-Convolutional Neural Network-Based Electroencephalogram Decoding Model for the Intra-Individual Difference. International Journal of Neural Systems, 2022, 32, .	3.2	9
786	Rapid Post-Earthquake Structural Damage Assessment Using Convolutional Neural Networks and Transfer Learning. Sensors, 2022, 22, 3471.	2.1	13
787	Computer Speech Recognition Technology and Graphic Shape Design. Advances in Multimedia, 2022, 2022, 1-8.	0.2	0
788	Content Swapping: A New Image Synthesis for Construction Sign Detection in Autonomous Vehicles. Sensors, 2022, 22, 3494.	2.1	3

#	ARTICLE	IF	CITATIONS
789	A deep learning approach identifies new ECG features in congenital long QT syndrome. BMC Medicine, 2022, 20, 162.	2.3	13
790	LioNets: a neural-specific local interpretation technique exploiting penultimate layer information. Applied Intelligence, 2023, 53, 2538-2563.	3.3	3
791	Orthogonal channel attention-based multi-task learning for multi-view facial expression recognition. Pattern Recognition, 2022, 129, 108753.	5.1	17
792	DCML: Deep contrastive mutual learning for COVID-19 recognition. Biomedical Signal Processing and Control, 2022, 77, 103770.	3.5	13
793	Explainable Residual Network for Tuberculosis Classification in the IoT Era. , 2021, , .		8
794	Vibration analysis process based on spectrogram using gradient class activation map with selection process of CNN model and feature layer. Displays, 2022, 73, 102233.	2.0	9
795	Research on Fault Diagnosis of Rolling Bearing Based on SEMSCNN and GRU Model. Journal of Physics: Conference Series, 2022, 2184, 012054.	0.3	1
796	Deep learning model for the automatic classification of COVID-19 pneumonia, non-COVID-19 pneumonia, and the healthy: a multi-center retrospective study. Scientific Reports, 2022, 12, 8214.	1.6	20
797	A Survey of Explainable Artificial Intelligence in Bio-signals Analysis. Recent Advances in Computer Science and Communications, 2022, 15, .	0.5	0
798	Cardiac Segmentation Method Based on Domain Knowledge. Ultrasonic Imaging, 2022, 44, 105-117.	1.4	1
799	Prediction of Photosynthetic Carbon Assimilation Rate of Individual Rice Leaves under Changes in Light Environment Using BLSTM-Augmented LSTM. CMES - Computer Modeling in Engineering and Sciences, 2022, .	0.8	0
800	Multimodal Classification of Onion Services for Proactive Cyber Threat Intelligence Using Explainable Deep Learning. IEEE Access, 2022, 10, 56044-56056.	2.6	7
801	Deep Learning Based Approaches to Detect Covid-19 with X-Ray Images. , 2022, , .		0
802	OD-XAI: Explainable AI-Based Semantic Object Detection for Autonomous Vehicles. Applied Sciences (Switzerland), 2022, 12, 5310.	1.3	17
803	FN-Net: A lightweight CNN-based architecture for fabric defect detection with adaptive threshold-based class determination. Displays, 2022, 73, 102241.	2.0	10
804	Machine-learning-assisted spontaneous Raman spectroscopy classification and feature extraction for the diagnosis of human laryngeal cancer. Computers in Biology and Medicine, 2022, 146, 105617.	3.9	16
805	A review of visualisation-as-explanation techniques for convolutional neural networks and their evaluation. Displays, 2022, 73, 102239.	2.0	18
806	3D convolutional neural networks with hybrid attention mechanism for early diagnosis of Alzheimer's disease. Biomedical Signal Processing and Control, 2022, 77, 103828.	3.5	12

#	ARTICLE	IF	CITATIONS
807	3D Convolutional Neural Networks with Hybrid Attention Mechanism for Early Diagnosis of Alzheimer's Disease. SSRN Electronic Journal, 0, , .	0.4	0
808	A Framework for Deep Multitask Learning With Multiparametric Magnetic Resonance Imaging for the Joint Prediction of Histological Characteristics in Breast Cancer. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 3884-3895.	3.9	7
809	Clothing Image Retrieval Method Based on Convolutional Block Attention Model. Computer Science and Application, 2022, 12, 1331-1340.	0.0	0
810	Multi Layered Feature Explanation Method for Convolutional Neural Networks. Lecture Notes in Computer Science, 2022, , 603-614.	1.0	5
812	Explainable Object Detection for Uncrewed Aerial Vehicles using KernelSHAP. , 2022, , .		0
813	Colposcopic multimodal fusion for the classification of cervical lesions. Physics in Medicine and Biology, 2022, 67, 135003.	1.6	4
814	Diagnosis of rotor demagnetization and eccentricity faults for IPMSM based on deep CNN and image recognition. Complex & Intelligent Systems, 2022, 8, 5469-5488.	4.0	4
815	An interpretable multi-task system for clinically applicable COVID-19 diagnosis using CXR. Journal of X-Ray Science and Technology, 2022, 30, 847-862.	0.7	2
816	Short range correlation transformer for occluded person re-identification. Neural Computing and Applications, 2022, 34, 17633-17645.	3.2	13
817	Diagnosis of endometrium hyperplasia and screening of endometrial intraepithelial neoplasia in histopathological images using a global-to-local multi-scale convolutional neural network. Computer Methods and Programs in Biomedicine, 2022, 221, 106906.	2.6	9
818	Research on Action Recognition Based on Deep Learning with Long Short-Term Memory Network and Attention Mechanism. Wireless Communications and Mobile Computing, 2022, 2022, 1-9.	0.8	1
819	An EfficientNet-based modified sigmoid transform for enhancing dermatological macro-images of melanoma and nevi skin lesions. Computer Methods and Programs in Biomedicine, 2022, 222, 106935.	2.6	21
820	CAM-K: a novel framework for automated estimating pixel area using K-Means algorithm integrated with deep learning based-CAM visualization techniques. Neural Computing and Applications, 2022, 34, 17741-17759.	3.2	7
821	The diagnostic ability to classify neoplasias occurring in inflammatory bowel disease by artificial intelligence and endoscopists: A pilot study. Journal of Gastroenterology and Hepatology (Australia), 2022, 37, 1610-1616.	1.4	6
822	An intelligent and vision-based system for Baijiu brewing-sorghum discrimination. Measurement: Journal of the International Measurement Confederation, 2022, 198, 111417.	2.5	2
823	A convolution neural network with multi-level convolutional and attention learning for classification of cancer grades and tissue structures in colon histopathological images. Computers in Biology and Medicine, 2022, 147, 105680.	3.9	17
824	Personalized decision support for cardiology based on deep learning: an overview. , 2022, , 45-75.		0
825	Transfer Learning with Fine-Tuning on MobileNet and GRAD-CAM for Bones Abnormalities Diagnosis. Lecture Notes in Networks and Systems, 2022, , 171-179.	0.5	1

#	ARTICLE	IF	CITATIONS
826	Unsupervised Image Anomaly Detection and Segmentation Based on Pretrained Feature Mapping. IEEE Transactions on Industrial Informatics, 2023, 19, 2330-2339.	7.2	14
829	EBBE-Text: Explaining Neural Networks by Exploring Text Classification Decision Boundaries. IEEE Transactions on Visualization and Computer Graphics, 2022, , 1-18.	2.9	1
830	Inspect, Understand, Overcome: A Survey of Practical Methods for AI Safety. , 2022, , 3-78.		12
831	A Collaborative Alignment Framework of Transferable Knowledge Extraction for Unsupervised Domain Adaptation. IEEE Transactions on Knowledge and Data Engineering, 2022, , .	4.0	27
833	A Deep Explainable Model for Fault Prediction Using IoT Sensors. IEEE Access, 2022, 10, 66933-66942.	2.6	8
834	A Review of Interpretable Deep Learning for Neurological Disease Classification. , 2022, , .		3
835	Convolutional Neural Network (CNN) vs Vision Transformer (ViT) for Digital Holography. , 2022, , .		11
836	Identification of pan-kinase-family inhibitors using graph convolutional networks to reveal family-sensitive pre-moieties. BMC Bioinformatics, 2022, 23, .	1.2	2
837	A Systematic Approach for Explaining Time and Frequency Features Extracted by Convolutional Neural Networks From Raw Electroencephalography Data. Frontiers in Neuroinformatics, 0, 16, .	1.3	17
838	Deep Learning Methods to Reveal Important X-ray Features in COVID-19 Detection: Investigation of Explainability and Feature Reproducibility. Reports, 2022, 5, 20.	0.2	5
839	Augmented Score-CAM: High resolution visual interpretations for deep neural networks. Knowledge-Based Systems, 2022, 252, 109287.	4.0	10
840	Attention-enhanced and trusted multimodal learning for micro-video venue recognition. Computers and Electrical Engineering, 2022, 102, 108127.	3.0	1
841	Automatic Estimation of Post-fire Compressive Strength Reduction of Masonry Structures Using Deep Convolutional Neural Network. Fire Technology, 2022, 58, 2779-2809.	1.5	4
842	Transformer-Based Deep-Learning Algorithm for Discriminating Demyelinating Diseases of the Central Nervous System With Neuroimaging. Frontiers in Immunology, 0, 13, .	2.2	1
843	Increasing trend of radiographic features of knee osteoarthritis in rheumatoid arthritis patients before total knee arthroplasty. Scientific Reports, 2022, 12, .	1.6	6
844	Hyperspectral and multispectral image processing for gross-level tumor detection in skin lesions: a systematic review. Journal of Biomedical Optics, 2022, 27, .	1.4	6
845	IVIM using convolutional neural networks predicts microvascular invasion in HCC. European Radiology, 2022, 32, 7185-7195.	2.3	13
846	Designing for Confidence: The Impact of Visualizing Artificial Intelligence Decisions. Frontiers in Neuroscience, 0, 16, .	1.4	7

#	ARTICLE	IF	CITATIONS
847	bHLHDB: A next generation database of basic helix loop helix transcription factors based on deep learning model. <i>Journal of Bioinformatics and Computational Biology</i> , 2022, 20, .	0.3	2
848	Trusting deep learning natural-language models via local and global explanations. <i>Knowledge and Information Systems</i> , 2022, 64, 1863-1907.	2.1	6
849	A Robust Method for Classification and Localization of Satellite Cyclonic Images Over the Bay of Bengal and the Arabian Sea Using Deep Learning. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2022, , 217-233.	0.4	0
850	An Improved EfficientNet for Rice Germ Integrity Classification and Recognition. <i>Agriculture (Switzerland)</i> , 2022, 12, 863.	1.4	9
851	Using deep-learning in fetal ultrasound analysis for diagnosis of cystic hygroma in the first trimester. <i>PLoS ONE</i> , 2022, 17, e0269323.	1.1	9
852	A deep convolutional neural network to predict the curve progression of adolescent idiopathic scoliosis: a pilot study. <i>BMC Musculoskeletal Disorders</i> , 2022, 23, .	0.8	7
853	Explainable deep drug-target representations for binding affinity prediction. <i>BMC Bioinformatics</i> , 2022, 23, .	1.2	4
854	Cross-Pixel Dependency with Boundary-Feature Transformation for Weakly Supervised Semantic Segmentation. , 2022, , .		0
855	Explainable machine learning for precise fatigue crack tip detection. <i>Scientific Reports</i> , 2022, 12, .	1.6	14
856	Deep learning models of cognitive processes constrained by human brain connectomes. <i>Medical Image Analysis</i> , 2022, 80, 102507.	7.0	10
857	Deep learning for Alzheimer's disease diagnosis: A survey. <i>Artificial Intelligence in Medicine</i> , 2022, 130, 102332.	3.8	43
858	A novel visual guidance framework for robotic welding based on binocular cooperation. <i>Robotics and Computer-Integrated Manufacturing</i> , 2022, 78, 102393.	6.1	10
859	Defect Identification Method of Carbon Fiber Sucker Rod Based on Multi-Sensor Information Fusion AndÂ Googlenet-Based Deep Learning Model. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
860	Which CAM is Better for Extracting Geographic Objects? A Perspective From Principles and Experiments. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022, 15, 5623-5635.	2.3	4
861	Boosting Fast Adversarial Training With Learnable Adversarial Initialization. <i>IEEE Transactions on Image Processing</i> , 2022, 31, 4417-4430.	6.0	21
862	Joint Localization and Classification of Breast Cancer in B-Mode Ultrasound Imaging via Collaborative Learning With Elastography. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 4474-4485.	3.9	8
864	Driver Behaviors Recognizer Based on Light-Weight Convolutional Neural Network Architecture and Attention Mechanism. <i>IEEE Access</i> , 2022, 10, 71019-71029.	2.6	4
865	Improved Model of Common Radix and Rhizome Chinese Herbal Medicine Classification Based VCG16. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
866	An in-depth experimental study of sensor usage and visual reasoning of robots navigating in real environments. , 2022, , .		4
867	Explainable Artificial Intelligence: An Updated Perspective. , 2022, , .		11
868	Interpreting Deep Machine Learning for Streamflow Modeling Across Glacial, Nival, and Pluvial Regimes in Southwestern Canada. <i>Frontiers in Water</i> , 0, 4, .	1.0	5
869	Lightweight Yolov4 Target Detection Algorithm Fused with ECA Mechanism. <i>Processes</i> , 2022, 10, 1285.	1.3	4
870	Hierarchical few-shot learning based on coarse- and fine-grained relation network. <i>Artificial Intelligence Review</i> , 2023, 56, 2011-2030.	9.7	3
871	NoiseGrad “ Enhancing Explanations by Introducing Stochasticity to Model Weights. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2022, 36, 6132-6140.	3.6	7
872	Certified defense against patch attacks via mask-guided randomized smoothing. <i>Science China Information Sciences</i> , 2022, 65, .	2.7	0
873	Sfcnn: a novel scoring function based on 3D convolutional neural network for accurate and stable protein“ligand affinity prediction. <i>BMC Bioinformatics</i> , 2022, 23, .	1.2	16
874	Automatic Identification of Failure in Hip Replacement: An Artificial Intelligence Approach. <i>Bioengineering</i> , 2022, 9, 288.	1.6	10
875	Federated Learning Approach with Pre-Trained Deep Learning Models for COVID-19 Detection from Unsegmented CT images. <i>Life</i> , 2022, 12, 958.	1.1	15
876	Fine-Grained Ship Classification by Combining CNN and Swin Transformer. <i>Remote Sensing</i> , 2022, 14, 3087.	1.8	10
877	Modeling and Energy Analysis of Adversarial Perturbations in Deep Image Classification Security. , 2022, , .		1
878	Deep Learning Applications for Acute Stroke Management. <i>Annals of Neurology</i> , 2022, 92, 574-587.	2.8	16
879	Ultrasound Image Classification of Thyroid Nodules Based on Deep Learning. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	5
880	Effects of Image Dataset Configuration on the Accuracy of Rice Disease Recognition Based on Convolution Neural Network. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	5
881	A novel intrinsically explainable model with semantic manifolds established via transformed priors. <i>Knowledge-Based Systems</i> , 2022, , 109386.	4.0	0
882	Benchmarking Perturbation-Based Saliency Maps for Explaining Atari Agents. <i>Frontiers in Artificial Intelligence</i> , 0, 5, .	2.0	7
883	Deep Learning-Based Automated Diagnosis for Coronary Artery Disease Using SPECT-MPI Images. <i>Journal of Clinical Medicine</i> , 2022, 11, 3918.	1.0	13

#	ARTICLE	IF	CITATIONS
884	Tomato Maturity Classification Based on SE-YOLOv3-MobileNetV1 Network under Nature Greenhouse Environment. <i>Agronomy</i> , 2022, 12, 1638.	1.3	20
885	Accurate classification of white blood cells by coupling pre-trained ResNet and DenseNet with SCAM mechanism. <i>BMC Bioinformatics</i> , 2022, 23, .	1.2	20
886	LIMEcraft: handcrafted superpixel selection and inspection for Visual eXplanations. <i>Machine Learning, O, , .</i>	3.4	1
887	Deep convolutional neural networks for estimating maize above-ground biomass using multi-source UAV images: a comparison with traditional machine learning algorithms. <i>Precision Agriculture</i> , 2023, 24, 92-113.	3.1	10
888	Interpreting a deep reinforcement learning model with conceptual embedding and performance analysis. <i>Applied Intelligence</i> , 2023, 53, 6936-6952.	3.3	2
889	Developing and Validating Multi-Modal Models for Mortality Prediction in COVID-19 Patients: a Multi-center Retrospective Study. <i>Journal of Digital Imaging</i> , 2022, 35, 1514-1529.	1.6	4
890	An Improved Tiered Head Pose Estimation Network with Self-Adjust Loss Function. <i>Entropy</i> , 2022, 24, 974.	1.1	3
892	Solid Attenuation Components Attention Deep Learning Model to Predict Micropapillary and Solid Patterns in Lung Adenocarcinomas on Computed Tomography. <i>Annals of Surgical Oncology</i> , 2022, 29, 7473-7482.	0.7	7
893	Identifying the Origin of Turbulence Using Convolutional Neural Networks. <i>Fluids</i> , 2022, 7, 239.	0.8	1
894	Practical cucumber leaf disease recognition using improved Swin Transformer and small sample size. <i>Computers and Electronics in Agriculture</i> , 2022, 199, 107163.	3.7	38
895	Applying convolutional neural networks (CNN) for end-to-end soil analysis based on laser-induced breakdown spectroscopy (LIBS) with less spectral preprocessing. <i>Computers and Electronics in Agriculture</i> , 2022, 199, 107171.	3.7	23
896	Constrained unsupervised anomaly segmentation. <i>Medical Image Analysis</i> , 2022, 80, 102526.	7.0	9
897	Keyhole status prediction based on voting ensemble convolutional neural networks and visualization by Grad-CAM in PAW. <i>Journal of Manufacturing Processes</i> , 2022, 80, 805-815.	2.8	8
898	SAFNet: A deep spatial attention network with classifier fusion for breast cancer detection. <i>Computers in Biology and Medicine</i> , 2022, 148, 105812.	3.9	13
899	Emotion recognition in the times of COVID19: Coping with face masks. <i>Intelligent Systems With Applications</i> , 2022, 15, 200094.	1.9	7
900	DTP-Net: A convolutional neural network model to predict threshold for localizing the lesions on dermatological macro-images. <i>Computers in Biology and Medicine</i> , 2022, 148, 105852.	3.9	18
901	Supervised contrastive learning-guided prototypes on axle-box accelerations for railway crossing inspections. <i>Expert Systems With Applications</i> , 2022, 207, 117946.	4.4	3
902	Beyond Sparsity: Tree Regularization of Deep Models for Interpretability. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2018, 32, .	3.6	85

#	ARTICLE	IF	CITATIONS
904	Deep-learning-assisted communication capacity enhancement by non-orthogonal state recognition of structured light. Optics Express, 2022, 30, 29781.	1.7	14
905	Open the Black Box " Visualising CNN to Understand Its Decisions on Road Network Performance Level. Promet - Traffic - Traffico, 2022, 34, .	0.3	0
906	Application of Nanomaterials in Visual Effects of National Costume Pattern Design. Advances in Materials Science and Engineering, 2022, 2022, 1-10.	1.0	1
907	A survey on artificial intelligence in histopathology image analysis. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2022, 12, .	4.6	15
908	Explainable and secure artificial intelligence: taxonomy, cases of study, learned lessons, challenges and future directions. Enterprise Information Systems, 2023, 17, .	3.3	3
909	Multi-granularity visual explanations for CNN. Knowledge-Based Systems, 2022, 253, 109474.	4.0	3
910	RadImageNet: An Open Radiologic Deep Learning Research Dataset for Effective Transfer Learning. Radiology: Artificial Intelligence, 2022, 4, .	3.0	64
911	YOLOD: A Target Detection Method for UAV Aerial Imagery. Remote Sensing, 2022, 14, 3240.	1.8	19
912	Training Set Debugging Using Trusted Items. Proceedings of the AAAI Conference on Artificial Intelligence, 2018, 32, .	3.6	13
913	Comparing Adam and SGD optimizers to train AlexNet for classifying GPR C-scans featuring ancient structures. , 2021, , .		2
914	Heatmap-based Explanation of YOLOv5 Object Detection with Layer-wise Relevance Propagation. , 2022, , .		4
915	Classification of Wafer Backside Images Via Fasterrcnn-Based Neural Network. , 2022, , .		0
916	Pedestrian attribute recognition in elevator. , 2022, , .		1
917	Visual Quality Inspection of Pomegranate Crop Using a Novel Dataset and Deep Learning. , 2022, , .		1
918	True Black-Box Explanation in Facial Analysis. , 2022, , .		4
919	Efficient CNN Architecture Design Guided by Visualization. , 2022, , .		5
920	Deep learning for ultra-widefield imaging: a scoping review. Graefe's Archive for Clinical and Experimental Ophthalmology, 2022, 260, 3737-3778.	1.0	2
921	PADAR: physician-oriented artificial intelligence-facilitating diagnosis aid for retinal diseases. Journal of Medical Imaging, 2022, 9, .	0.8	0

#	ARTICLE	IF	CITATIONS
922	Is attention branch network effective in classifying dental implants from panoramic radiograph images by deep learning?. PLoS ONE, 2022, 17, e0269016.	1.1	8
923	From LiDAR to deep learning: A case study of computer-assisted approaches to the archaeology of Guadalupe and northeast Honduras. IT - Information Technology, 2022, 64, 233-246.	0.6	0
924	A comparison of Covid-19 early detection between convolutional neural networks and radiologists. Insights Into Imaging, 2022, 13, .	1.6	2
925	An Explainable Classification Method of SPECT Myocardial Perfusion Images in Nuclear Cardiology Using Deep Learning and Grad-CAM. Applied Sciences (Switzerland), 2022, 12, 7592.	1.3	12
926	aEYE: A deep learning system for video nystagmus detection. Frontiers in Neurology, 0, 13, .	1.1	10
927	Swin-MFA: A Multi-Modal Fusion Attention Network Based on Swin-Transformer for Low-Light Image Human Segmentation. Sensors, 2022, 22, 6229.	2.1	0
928	Risky-Driving-Image Recognition Based on Visual Attention Mechanism and Deep Learning. Sensors, 2022, 22, 5868.	2.1	0
929	Evaluating the utility of deep learning for predicting therapeutic response in diabetic eye disease. Frontiers in Ophthalmology, 0, 2, .	0.2	2
930	Deep learning-based diagnosis from endobronchial ultrasonography images of pulmonary lesions. Scientific Reports, 2022, 12, .	1.6	4
931	Using Machine Learning Methods Incorporating Individual Reader Annotations to Classify Paediatric Chest Radiographs in Epidemiological Studies. Wellcome Open Research, 0, 6, 309.	0.9	0
932	Development and validation of an abnormality-derived deep-learning diagnostic system for major respiratory diseases. Npj Digital Medicine, 2022, 5, .	5.7	14
933	Effective deep learning for oral exfoliative cytology classification. Scientific Reports, 2022, 12, .	1.6	4
934	The silent trial - the bridge between bench-to-bedside clinical AI applications. Frontiers in Digital Health, 0, 4, .	1.5	4
935	Multi-Modal Brain Tumor Detection Using Deep Neural Network and Multiclass SVM. Medicina (Lithuania), 2022, 58, 1090.	0.8	70
936	Recognition and Classification of Martian Chaos Terrains Using Imagery Machine Learning: A Global Distribution of Chaos Linked to Groundwater Circulation, Catastrophic Flooding, and Magmatism on Mars. Remote Sensing, 2022, 14, 3883.	1.8	5
937	Positive-gradient-weighted object activation mapping: visual explanation of object detector towards precise colorectal-polyp localisation. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 2051-2063.	1.7	4
938	Inferring dissipation maps from videos using convolutional neural networks. Physical Review Research, 2022, 4, .	1.3	2
939	A new classification network for diagnosing Alzheimer's disease in class-imbalance MRI datasets. Frontiers in Neuroscience, 0, 16, .	1.4	2

#	ARTICLE	IF	CITATIONS
940	SeCAM: Tightly Accelerate the Image Explanation via Region-Based Segmentation. IEICE Transactions on Information and Systems, 2022, E105.D, 1401-1417.	0.4	1
941	Identification of Pneumonia in Chest X-Ray Image Based on Transformer. International Journal of Antennas and Propagation, 2022, 2022, 1-8.	0.7	9
942	Event recognition method based on dual-augmentation for a $\hat{1}$ -OTDR system with a few training samples. Optics Express, 2022, 30, 31232.	1.7	15
943	Bilinear Attention Network for Image-Based Fine-Grained Recognition of Oil Tea (Camellia oleifera) Tj ETQq1 1 0.784314 rgBT ₂ /Overlook	1.3	14
944	Deep learning predicts all-cause mortality from longitudinal total-body DXA imaging. Communications Medicine, 2022, 2, .	1.9	2
945	Hierarchical Interpretation of Neural Text Classification. Computational Linguistics, 2022, 48, 987-1020.	2.5	5
946	An ensemble learning integration of multiple $\langle scp \rangle$ CNN $\langle /scp \rangle$ with improved vision transformer models for pest classification. Annals of Applied Biology, 2023, 182, 144-158.	1.3	10
947	Derivation of prognostic contextual histopathological features from whole-slide images of tumours via graph deep learning. Nature Biomedical Engineering, 0, , .	11.6	24
948	Initial experience of a deep learning application for the differentiation of Kikuchi-Fujimoto TM s disease from tuberculous lymphadenitis on neck CECT. Scientific Reports, 2022, 12, .	1.6	1
949	Fish Face Identification Based on Rotated Object Detection: Dataset and Exploration. Fishes, 2022, 7, 219.	0.7	7
950	A Deep Learning Methodology for the Detection of Abnormal Parathyroid Glands via Scintigraphy with ^{99m} Tc-Sestamibi. Diseases (Basel, Switzerland), 2022, 10, 56.	1.0	8
951	Explainability of Deep Vision-Based Autonomous Driving Systems: Review and Challenges. International Journal of Computer Vision, 2022, 130, 2425-2452.	10.9	51
952	Diagnosing Diabetic Retinopathy in OCTA Images Based on Multilevel Information Fusion Using a Deep Learning Framework. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-10.	0.7	1
954	SLT-Net: A codec network for skin lesion segmentation. Computers in Biology and Medicine, 2022, 148, 105942.	3.9	7
955	A new algorithm for intelligent detection of geohazards incorporating attention mechanism. International Journal of Applied Earth Observation and Geoinformation, 2022, 113, 102988.	0.9	1
956	High Resolution Explanation Maps for CNNs using Segmentation Networks. , 2022, , .		0
957	Applying deep learning approaches to mixed quantitative-qualitative analyses. , 2022, , .		1
958	Sound prediction based on footstep-induced vibrations in concrete building using a convolutional neural network. Applied Acoustics, 2022, 198, 108965.	1.7	0

#	ARTICLE	IF	CITATIONS
959	OGCNet: Overlapped group convolution for deep convolutional neural networks. Knowledge-Based Systems, 2022, 253, 109571.	4.0	2
960	Automated pharyngeal phase detection and bolus localization in videofluoroscopic swallowing study: Killing two birds with one stone?. Computer Methods and Programs in Biomedicine, 2022, 225, 107058.	2.6	4
961	Early prediction of treatment response to neoadjuvant chemotherapy based on longitudinal ultrasound images of HER2-positive breast cancer patients by Siamese multi-task network: A multicentre, retrospective cohort study. EClinicalMedicine, 2022, 52, 101562.	3.2	15
962	The influence of digital twins on the methods of film and television creation. Computers and Electrical Engineering, 2022, 103, 108314.	3.0	1
963	Artificial intelligence-aided detection of ectopic eruption of maxillary first molars based on panoramic radiographs. Journal of Dentistry, 2022, 125, 104239.	1.7	9
964	Monitoring of the powder bed quality in metal additive manufacturing using deep transfer learning. Materials and Design, 2022, 222, 111029.	3.3	17
965	Stability assessment of liquid formulations: A deep learning approach. Chemical Engineering Science, 2022, 262, 117991.	1.9	1
966	Deep learning hybrid predictions for the amount of municipal solid waste: A case study in Shanghai. Chemosphere, 2022, 307, 136119.	4.2	6
967	Defect identification method of carbon fiber sucker rod based on GoogLeNet-based deep learning model and transfer learning. Materials Today Communications, 2022, 33, 104228.	0.9	4
968	Detection and Visualisation of Pneumoconiosis Using an Ensemble of Multi-Dimensional Deep Features Learned from Chest X-rays. International Journal of Environmental Research and Public Health, 2022, 19, 11193.	1.2	9
969	Optimal Modeling and Simulation of the Relationship between Athletesâ€™ High-Intensity Training and Sports Injuries. Scanning, 2022, 2022, 1-7.	0.7	2
970	â€œCenterNet: Road infrared target detection based on improved CenterNet. IET Image Processing, 2023, 17, 57-66.	1.4	1
971	SLViT: Shuffle-convolution-based lightweight Vision transformer for effective diagnosis of sugarcane leaf diseases. Journal of King Saud University - Computer and Information Sciences, 2023, 35, 101401.	2.7	10
972	Dual-position features fusion for head pose estimation for complex scene. Optik, 2022, 270, 169986.	1.4	1
973	Visualizing Convolutional Neural Network Modelsâ€™ Sensitivity to Nonnatural Data Order. Information Systems Frontiers, 0, , .	4.1	1
974	Human activity recognition using tools of convolutional neural networks: A state of the art review, data sets, challenges, and future prospects. Computers in Biology and Medicine, 2022, 149, 106060.	3.9	55
975	MTU: A multi-tasking U-net with hybrid convolutional learning and attention modules for cancer classification and gland Segmentation in Colon Histopathological Images. Computers in Biology and Medicine, 2022, 150, 106095.	3.9	4
976	Development and validation of a deep learning model for survival prognosis of transcatheter arterial chemoembolization in patients with intermediate-stage hepatocellular carcinoma. European Journal of Radiology, 2022, 156, 110527.	1.2	9

#	ARTICLE	IF	CITATIONS
977	Magnetic anomalies characterization: Deep learning and explainability. Computers and Geosciences, 2022, 169, 105227.	2.0	5
978	A vision transformer for lightning intensity estimation using 3D weather radar. Science of the Total Environment, 2022, 853, 158496.	3.9	2
979	UAVformer: A Composite Transformer Network for Urban Scene Segmentation of UAV Images. Pattern Recognition, 2023, 133, 109019.	5.1	15
980	Understand how CNN diagnoses faults with Grad-CAM. Computer Aided Chemical Engineering, 2022, , 1537-1542.	0.3	0
981	SAR Target Classification Based on Multiscale Attention Super-Class Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 9004-9019.	2.3	6
982	Explainable Artificial Intelligence Applications in Cyber Security: State-of-the-Art in Research. IEEE Access, 2022, 10, 93104-93139.	2.6	54
983	Implementation of Machine Vision based Quality Inspection in Production: An Approach for the Accelerated Execution of Case Studies. Procedia CIRP, 2022, 112, 596-601.	1.0	5
984	Sparse Visual Counterfactual Explanations in Image Space. Lecture Notes in Computer Science, 2022, , 133-148.	1.0	8
985	Patient-by-Patient Deep Transfer Learning for Drug-Response Profiling Using Confocal Fluorescence Microscopy of Pediatric Patient-Derived Tumor-Cell Spheroids. IEEE Transactions on Medical Imaging, 2022, 41, 3981-3999.	5.4	2
986	Insights Into Incorporating Trustworthiness and Ethics in AI Systems With Explainable AI. International Journal of Natural Computing Research, 2022, 11, 1-23.	0.5	0
987	Explainable AI for Time Series Classification: A Review, Taxonomy and Research Directions. IEEE Access, 2022, 10, 100700-100724.	2.6	22
988	Neural-Gas VAE. Lecture Notes in Computer Science, 2022, , 292-303.	1.0	0
989	Deep Learning-Based Efficient Detection of COVID-19. Lecture Notes in Networks and Systems, 2022, , 357-367.	0.5	0
990	Convolutional Fine-Grained Classification With Self-Supervised Target Relation Regularization. IEEE Transactions on Image Processing, 2022, 31, 5570-5584.	6.0	7
991	Critical Path-Based Backdoor Detection for Deep Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 4032-4046.	7.2	1
992	Uncertainty-Guided Lung Nodule Segmentation with Feature-Aware Attention. Lecture Notes in Computer Science, 2022, , 44-54.	1.0	2
993	Electromagnetic Scattering Feature (ESF) Module Embedded Network Based on ASC Model for Robust and Interpretable SAR ATR. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	2.7	18
994	Automated Rest EEG-Based Diagnosis of Depression and Schizophrenia Using a Deep Convolutional Neural Network. IEEE Access, 2022, 10, 104472-104485.	2.6	5

#	ARTICLE	IF	CITATIONS
995	Unsupervised convolutional variational autoencoder deep embedding clustering for Raman spectra. Analytical Methods, 2022, 14, 3898-3910.	1.3	3
996	More Sanity Checks for Saliency Maps. Lecture Notes in Computer Science, 2022, , 175-184.	1.0	0
997	Development of artificial intelligence model for supporting implant drilling protocol decision making. Journal of Prosthodontic Research, 2023, 67, 360-365.	1.1	11
998	Class-Incremental Continual Learning into the eXtended DER-verse. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-16.	9.7	15
999	LED ^{arc} Net: Transfer Learning Method for Low-Energy Series DC Arc-Fault Detection in Photovoltaic Systems. IEEE Access, 2022, 10, 100725-100735.	2.6	8
1000	M2A: Motion Aware Attention for Accurate Video Action Recognition. , 2022, , .		0
1001	Towards Noiseless Object Contours for Weakly Supervised Semantic Segmentation. , 2022, , .		8
1002	NLX-GPT: A Model for Natural Language Explanations in Vision and Vision-Language Tasks. , 2022, , .		16
1003	A Convolutional Neural Network-based explainable classification method of SPECT myocardial perfusion images in nuclear cardiology. , 2022, , .		0
1004	Small Object Detection Algorithm for Railway Scene. , 2022, , .		3
1005	XAI based model evaluation by applying domain knowledge. , 2022, , .		8
1006	Deep Learning to Predict Geographic Atrophy Area and Growth Rate from Multimodal Imaging. Ophthalmology Retina, 2023, 7, 243-252.	1.2	11
1007	Detection Method of Cow Estrus Behavior in Natural Scenes Based on Improved YOLOv5. Agriculture (Switzerland), 2022, 12, 1339.	1.4	15
1008	How to learn with intentional mistakes: NoisyEnsembles to overcome poor tissue quality for deep learning in computational pathology. Frontiers in Medicine, 0, 9, .	1.2	2
1009	Exploring the Ability to Classify Visual Perception and Visual Imagery EEG Data: Toward an Intuitive BCI System. Electronics (Switzerland), 2022, 11, 2706.	1.8	3
1010	Ensemble neural network model for detecting thyroid eye disease using external photographs. British Journal of Ophthalmology, 2023, 107, 1722-1729.	2.1	7
1011	Interpretable deep learning: interpretation, interpretability, trustworthiness, and beyond. Knowledge and Information Systems, 2022, 64, 3197-3234.	2.1	74
1012	Diagnosis of Early Glottic Cancer Using Laryngeal Image and Voice Based on Ensemble Learning of Convolutional Neural Network Classifiers. Journal of Voice, 2022, , .	0.6	11

#	ARTICLE	IF	CITATIONS
1013	Application of explainable artificial intelligence for healthcare: A systematic review of the last decade (2011â€“2022). <i>Computer Methods and Programs in Biomedicine</i> , 2022, 226, 107161.	2.6	168
1014	Detecting glaucoma from multi-modal data using probabilistic deep learning. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	6
1015	Interpretable Machine Learning with Brain Image and Survival Data. <i>BioMedInformatics</i> , 2022, 2, 492-510.	1.0	8
1016	Multi-task visual discomfort prediction model for stereoscopic images based on multi-view feature representation. <i>Applied Intelligence</i> , 0, , .	3.3	0
1017	Advances in non-invasive biosensing measures to monitor wound healing progression. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	3
1018	Towards explainable model extraction attacks. <i>International Journal of Intelligent Systems</i> , 2022, 37, 9936-9956.	3.3	2
1019	Automatic Detection of Left Ventricular Dilatation and Hypertrophy from Electrocardiograms Using Deep Learning. <i>International Heart Journal</i> , 2022, 63, 939-947.	0.5	5
1020	Remote-Sensing Cross-Domain Scene Classification: A Dataset and Benchmark. <i>Remote Sensing</i> , 2022, 14, 4635.	1.8	0
1022	Analysis of the Human Protein Atlas Weakly Supervised Single-Cell Classification competition. <i>Nature Methods</i> , 2022, 19, 1221-1229.	9.0	9
1023	Dementia in Convolutional Neural Networks: Using Deep Learning Models to Simulate Neurodegeneration of the Visual System. <i>Neuroinformatics</i> , 2023, 21, 45-55.	1.5	1
1024	FEA-Swin: Foreground Enhancement Attention Swin Transformer Network for Accurate UAV-Based Dense Object Detection. <i>Sensors</i> , 2022, 22, 6993.	2.1	7
1025	Complementing Connoisseurship With Artificial Intelligence. <i>Curator</i> , 0, , .	0.2	2
1026	Automated differentiation of skin melanocytes from keratinocytes in <sc>highâ€resolution</sc> histopathology images using a <sc>weaklyâ€supervised deepâ€learning</sc> framework. <i>International Journal of Imaging Systems and Technology</i> , 2023, 33, 262-275.	2.7	4
1027	Describing UI Screenshots in Natural Language. <i>ACM Transactions on Intelligent Systems and Technology</i> , 2023, 14, 1-28.	2.9	1
1028	SEAN: A Simple and Efficient Attention Network for Aircraft Detection in SAR Images. <i>Remote Sensing</i> , 2022, 14, 4669.	1.8	2
1030	Meta-FSDet: a meta-learning based detector for few-shot defects of photovoltaic modules. <i>Journal of Intelligent Manufacturing</i> , 2023, 34, 3413-3427.	4.4	3
1031	A Novel Deep Learning-Based Relabeling Architecture for Space Objects Detection from Partially Annotated Astronomical Images. <i>Aerospace</i> , 2022, 9, 520.	1.1	3
1032	Explainable Convolutional Neural Networks: A Taxonomy, Review, and Future Directions. <i>ACM Computing Surveys</i> , 2023, 55, 1-37.	16.1	8

#	ARTICLE	IF	CITATIONS
1033	Street images classification according to COVID-19 risk in Lima, Peru: a convolutional neural networks feasibility analysis. <i>BMJ Open</i> , 2022, 12, e063411.	0.8	0
1034	A deep learning-based method for cervical transformation zone classification in colposcopy images. <i>Technology and Health Care</i> , 2023, 31, 527-538.	0.5	1
1035	Predicting lymphovascular invasion in clinically node-negative breast cancer detected by abbreviated magnetic resonance imaging: Transfer learning vs. radiomics. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	2
1036	Flatness Defect Recognition Method of Cold Rolling Strip with a New Stacked Generative Adversarial Network. <i>Steel Research International</i> , 2022, 93, .	1.0	2
1037	MEST: An Action Recognition Network with Motion Encoder and Spatio-Temporal Module. <i>Sensors</i> , 2022, 22, 6595.	2.1	5
1039	Artificial intelligence in medico-dental diagnostics of the face: a narrative review of opportunities and challenges. <i>Clinical Oral Investigations</i> , 2022, 26, 6871-6879.	1.4	10
1040	Identifying acute ischemic stroke patients within the thrombolytic treatment window using deep learning. <i>Journal of Neuroimaging</i> , 2022, 32, 1153-1160.	1.0	7
1041	Computed tomography-based deep-learning prediction of lymph node metastasis risk in locally advanced gastric cancer. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	5
1042	Towards Explainable Deep Neural Networks for the Automatic Detection of Diabetic Retinopathy. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 9435.	1.3	9
1043	Automatic view classification of contrast and non-contrast echocardiography. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	1
1044	Etiology of Macular Edema Defined by Deep Learning in Optical Coherence Tomography Scans. <i>Translational Vision Science and Technology</i> , 2022, 11, 29.	1.1	4
1045	Deep Learning Assessment for Mining Important Medical Image Features of Various Modalities. <i>Diagnostics</i> , 2022, 12, 2333.	1.3	1
1046	Evaluation of a convolutional neural network to identify scaphoid fractures on radiographs. <i>Journal of Hand Surgery: European Volume</i> , 2023, 48, 445-450.	0.5	6
1047	Mixing evolution behavior of raw and gasified biomass pellets in a fluidized bed reactor. <i>Chemical Engineering Science</i> , 2022, 264, 118161.	1.9	1
1048	Agent manipulator: Stealthy strategy attacks on deep reinforcement learning. <i>Applied Intelligence</i> , 2023, 53, 12831-12858.	3.3	2
1049	Diseased thyroid tissue classification in <sc>OCT</sc> images using deep learning: towards surgical decision support. <i>Journal of Biophotonics</i> , 0, , .	1.1	2
1050	Condiment recognition using convolutional neural networks with attention mechanism. <i>Journal of Food Composition and Analysis</i> , 2023, 115, 104964.	1.9	2
1051	Deep learning-based segmentation and classification of leaf images for detection of tomato plant disease. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	66

#	ARTICLE	IF	CITATIONS
1052	Critical element prediction of tracheal intubation difficulty: Automatic Mallampati classification by jointly using handcrafted and attention-based deep features. <i>Computers in Biology and Medicine</i> , 2022, 150, 106182.	3.9	3
1053	Obtaining genetics insights from deep learning via explainable artificial intelligence. <i>Nature Reviews Genetics</i> , 2023, 24, 125-137.	7.7	86
1054	Oestrus detection in dairy cows by using atrous spatial pyramid and attention mechanism. <i>Biosystems Engineering</i> , 2022, 223, 259-276.	1.9	7
1055	A controllable face forgery framework to enrich face-privacy-protection datasets. <i>Image and Vision Computing</i> , 2022, 127, 104566.	2.7	4
1056	DeepClassPathway: Molecular pathway aware classification using explainable deep learning. <i>European Journal of Cancer</i> , 2022, 176, 41-49.	1.3	0
1057	CodnNet: A lightweight CNN architecture for detection of COVID-19 infection. <i>Applied Soft Computing Journal</i> , 2022, 130, 109656.	4.1	11
1059	Lightweight Method for the Rapid Diagnosis of Coronavirus Disease 2019 from Chest X-ray Images using Deep Learning Technique. , 2021, , .		2
1060	Chest X-Ray Pneumonia Detection by Dense-Net. , 2021, , .		1
1061	Using Analogical Proportions for Explanations. <i>Lecture Notes in Computer Science</i> , 2022, , 309-325.	1.0	1
1062	Identification of agricultural quarantine materials in passenger's luggage using ion mobility spectroscopy combined with convolutional neural network. <i>Analytical Methods</i> , 0, , .	1.3	0
1063	Exploiting CLIP-Based Multi-modal Approach for Artwork Classification and Retrieval. <i>Communications in Computer and Information Science</i> , 2022, , 140-149.	0.4	2
1064	Towards an Interpretable Model for Automatic Classification of Endoscopy Images. <i>Lecture Notes in Computer Science</i> , 2022, , 297-307.	1.0	0
1065	Main requirements of end-to-end deep learning models for biomedical time series classification in healthcare environments. <i>Procedia Computer Science</i> , 2022, 207, 3038-3046.	1.2	0
1066	Multi-domain Learning for Updating Face Anti-spoofing Models. <i>Lecture Notes in Computer Science</i> , 2022, , 230-249.	1.0	4
1067	Discover and Mitigate Unknown Biases with Debiasing Alternate Networks. <i>Lecture Notes in Computer Science</i> , 2022, , 270-288.	1.0	7
1068	Driver Distraction Detection Using Advanced Deep Learning Technologies Based on Images. <i>IEEE Journal of Radio Frequency Identification</i> , 2022, , 1-1.	1.5	0
1069	Cartoon Explanations of Image Classifiers. <i>Lecture Notes in Computer Science</i> , 2022, , 443-458.	1.0	3
1070	Single-Stream Multi-level Alignment for Vision-Language Pretraining. <i>Lecture Notes in Computer Science</i> , 2022, , 735-751.	1.0	2

#	ARTICLE	IF	CITATIONS
1071	A Dataset Generation Framework for Evaluating Megapixel Image Classifiers and Their Explanations. Lecture Notes in Computer Science, 2022, , 422-442.	1.0	0
1072	Patch Features Reconstruction Transformer for Occluded Person Re-Identification. , 2022, , .		0
1073	Explainable Acoustic Scene Classification: Making Decisions Audible. , 2022, , .		1
1074	Deep Transfer Learning for COVID-19 Detection and Lesion Recognition Using Chest CT Images. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-16.	0.7	3
1075	Kids™ Emotion Recognition Using Various Deep-Learning Models with Explainable AI. Sensors, 2022, 22, 8066.	2.1	8
1076	Prototype early diagnostic model for invasive pulmonary aspergillosis based on deep learning and big data training. Mycoses, 2023, 66, 118-127.	1.8	3
1077	Semantic Interpretation for Convolutional Neural Networks: What Makes a Cat a Cat?. Advanced Science, 2022, 9, .	5.6	2
1078	Near-infrared spectroscopy and machine learning for classification of food powders during a continuous process. Journal of Food Engineering, 2023, 341, 111339.	2.7	11
1079	ConvFaceNeXt: Lightweight Networks for Face Recognition. Mathematics, 2022, 10, 3592.	1.1	3
1080	Benchmarking saliency methods for chest X-ray interpretation. Nature Machine Intelligence, 2022, 4, 867-878.	8.3	46
1081	Identification Method of Rice Seedlings Rows Based on Gaussian Heatmap. Agriculture (Switzerland), 2022, 12, 1736.	1.4	2
1082	Explainable AI and Its Applications in Healthcare. Intelligent Systems Reference Library, 2023, , 111-133.	1.0	1
1084	Deep learning model for analyzing the relationship between mandibular third molar and inferior alveolar nerve in panoramic radiography. Scientific Reports, 2022, 12, .	1.6	10
1085	A practical Alzheimer's disease classifier via brain imaging-based deep learning on 85,721 samples. Journal of Big Data, 2022, 9, .	6.9	21
1086	Open-set learning under covariate shift. Machine Learning, 0, , .	3.4	1
1087	DuetFace: Collaborative Privacy-Preserving Face Recognition via Channel Splitting in the Frequency Domain. , 2022, , .		6
1088	Establishment of online deep learning model for insect-affected pests in 'Yali' pears based on visible-near-infrared spectroscopy. Frontiers in Nutrition, 0, 9, .	1.6	4
1089	Automated bow shock and magnetopause boundary detection with Cassini using threshold and deep learning methods. Frontiers in Astronomy and Space Sciences, 0, 9, .	1.1	2

#	ARTICLE	IF	CITATIONS
1090	APMD: Adversarial Pixel Masking Derivative for multispectral object detectors. , 2022, , .		0
1091	Deep learning in neuroimaging data analysis: Applications, challenges, and solutions. , 0, 1, .		5
1092	Towards Classification of Architectural Styles of Chinese Traditional Settlements Using Deep Learning: A Dataset, a New Framework, and Its Interpretability. Remote Sensing, 2022, 14, 5250.	1.8	6
1093	Enhanced Dual-Level Representations for Facial Expression Recognition. , 2022, , .		1
1094	CorDeep and the Sacrobosco Dataset: Detection of Visual Elements in Historical Documents. Journal of Imaging, 2022, 8, 285.	1.7	6
1097	Performance Analysis of the YOLOv4 Algorithm for Pavement Damage Image Detection with Different Embedding Positions of CBAM Modules. Applied Sciences (Switzerland), 2022, 12, 10180.	1.3	8
1098	Entropy as a High-Level Feature for XAI-Based Early Plant Stress Detection. Entropy, 2022, 24, 1597.	1.1	1
1099	CIABNet: Category imbalance attention block network for the classification of multi-€differentiated types of esophageal cancer. Medical Physics, 2023, 50, 1507-1527.	1.6	2
1100	Explainability of artificial intelligence methods, applications and challenges: A comprehensive survey. Information Sciences, 2022, 615, 238-292.	4.0	29
1101	Explainable Deep-Learning-Assisted Sweat Assessment via a Programmable Colorimetric Chip. Analytical Chemistry, 2022, 94, 15864-15872.	3.2	7
1102	Convolutional neural network for automated classification of osteonecrosis and related mandibular trabecular patterns. Bone Reports, 2022, 17, 101632.	0.2	1
1103	Deep learning for near-infrared spectral data modelling: Hypes and benefits. TrAC - Trends in Analytical Chemistry, 2022, 157, 116804.	5.8	35
1104	Classification of scanning electron microscope images of pharmaceutical excipients using deep convolutional neural networks with transfer learning. International Journal of Pharmaceutics: X, 2022, 4, 100135.	1.2	5
1105	Improving blueberry firmness classification with spectral and textural features of microstructures using hyperspectral microscope imaging and deep learning. Postharvest Biology and Technology, 2023, 195, 112154.	2.9	14
1106	Data-Driven Malware Detection for 6G Networks: A Survey From the Perspective of Continuous Learning and Explainability via Visualisation. IEEE Open Journal of Vehicular Technology, 2023, 4, 61-71.	3.4	7
1107	AutoMix: Unveiling the Power of Mixup for Stronger Classifiers. Lecture Notes in Computer Science, 2022, , 441-458.	1.0	10
1108	Explaining Siamese Networks in Few-Shot Learning for Audio Data. Lecture Notes in Computer Science, 2022, , 509-524.	1.0	1
1109	Bi-Unet: A Dual Stream Network for Real-Time Highway Surface Segmentation. IEEE Transactions on Intelligent Vehicles, 2023, 8, 1549-1563.	9.4	3

#	ARTICLE	IF	CITATIONS
1110	Fine-Gained Recurrence Graph: Graphical Modeling of Vibration Signal for Fault Diagnosis of Wind Turbine. IEEE Transactions on Industrial Informatics, 2023, 19, 8878-8888.	7.2	1
1111	Parkinson's disease is characterized by sub-second resting-state spatio-oscillatory patterns: A contribution from deep convolutional neural network. NeuroImage: Clinical, 2022, 36, 103266.	1.4	3
1112	Exploring the Impact of Adding Adversarial Perturbation onto Different Image Regions. , 2022, , .		0
1113	CNN Performance Analysis for SAR Object Classification. , 2022, , .		0
1114	Interpretability with Relevance Aggregation in Neural Networks for Absenteeism Prediction. , 2022, , .		0
1115	Feature Relevance Evaluation using Grad-CAM, LIME and SHAP for Deep Learning SAR Data Classification. , 2022, , .		7
1116	Research on a Kind of Multi-objective Evolutionary Fuzzy System with a Flowing Data Pool and a Rule Pool for Interpreting Neural Networks. International Journal of Fuzzy Systems, 2023, 25, 575-600.	2.3	2
1117	Integrated Gradient-Based Continuous Wavelet Transform for Bearing Fault Diagnosis. Sensors, 2022, 22, 8760.	2.1	11
1118	Attribution Analysis of Reinforcement Learning-Based Highway Driver. Electronics (Switzerland), 2022, 11, 3599.	1.8	1
1119	Fully Convolutional Network for the Semantic Segmentation of Medical Images: A Survey. Diagnostics, 2022, 12, 2765.	1.3	5
1120	Accurate preoperative staging and HER2 status prediction of gastric cancer by the deep learning system based on enhanced computed tomography. Frontiers in Oncology, 0, 12, .	1.3	1
1121	A deep learning framework integrating MRI image preprocessing methods for brain tumor segmentation and classification. IBRO Neuroscience Reports, 2022, 13, 523-532.	0.7	14
1122	DeepGA for automatically estimating fetal gestational age through ultrasound imaging. Artificial Intelligence in Medicine, 2023, 135, 102453.	3.8	7
1123	Prediction of anemia using facial images and deep learning technology in the emergency department. Frontiers in Public Health, 0, 10, .	1.3	5
1124	Information bottleneck-based interpretable multitask network for breast cancer classification and segmentation. Medical Image Analysis, 2023, 83, 102687.	7.0	13
1125	G-LIME: Statistical learning for local interpretations of deep neural networks using global priors. Artificial Intelligence, 2023, 314, 103823.	3.9	8
1126	Robots Understanding Contextual Information in Human-Centered Environments Using Weakly Supervised Mask Data Distillation. International Journal of Computer Vision, 2023, 131, 407-430.	10.9	1
1127	Lightweight Corn Seed Disease Identification Method Based on Improved ShuffleNetV2. Agriculture (Switzerland), 2022, 12, 1929.	1.4	3

#	ARTICLE	IF	CITATIONS
1128	OASIS-Net: Morphological Attention Ensemble Learning for Surface Defect Detection. Mathematics, 2022, 10, 4114.	1.1	2
1129	WARS1, TYMP and GBP1 display a distinctive microcirculation pattern by immunohistochemistry during antibody-mediated rejection in kidney transplantation. Scientific Reports, 2022, 12, .	1.6	2
1130	A machine learning approach for the discrimination of theropod and ornithischian dinosaur tracks. Journal of the Royal Society Interface, 2022, 19, .	1.5	8
1131	Categorization of Sprays by Image Analysis with Convolutional Neuronal Networks. Chemical Engineering and Technology, 2023, 46, 264-269.	0.9	2
1132	Quantitative evaluation of explainable graph neural networks for molecular property prediction. Patterns, 2022, 3, 100628.	3.1	19
1133	Reduced detection rate of artificial intelligence in images obtained from untrained endoscope models and improvement using domain adaptation algorithm. Frontiers in Medicine, 0, 9, .	1.2	1
1134	Identification of plant leaf diseases by deep learning based on channel attention and channel pruning. Frontiers in Plant Science, 0, 13, .	1.7	8
1135	Clinician's guide to trustworthy and responsible artificial intelligence in cardiovascular imaging. Frontiers in Cardiovascular Medicine, 0, 9, .	1.1	5
1136	Interpretable Deep Learning for Discriminating Pneumonia from Lung Ultrasounds. Mathematics, 2022, 10, 4153.	1.1	3
1137	A systematic review on the use of explainability in deep learning systems for computer aided diagnosis in radiology: Limited use of explainable AI?. European Journal of Radiology, 2022, 157, 110592.	1.2	18
1138	Establishing Transparency in Artificial Intelligence Systems. , 2022, , .		0
1139	Disease detection, severity prediction, and crop loss estimation in MaizeCrop using deep learning. Artificial Intelligence in Agriculture, 2022, 6, 276-291.	4.4	14
1140	Using model explanations to guide deep learning models towards consistent explanations for EHR data. Scientific Reports, 2022, 12, .	1.6	1
1141	Water quality parameter analysis model based on fish behavior. Computers and Electronics in Agriculture, 2022, 203, 107500.	3.7	3
1142	Learning Multiresolution Features for Unsupervised Anomaly Localization on Industrial Textured Surfaces. IEEE Transactions on Artificial Intelligence, 2024, 5, 127-139.	3.4	0
1143	HeHe: Balancing the Privacy and Efficiency in Training CNNs over the Semi-honest Cloud. Lecture Notes in Computer Science, 2022, , 422-442.	1.0	0
1144	Multi-Context Grouped Attention for Unsupervised Person Re-Identification. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2023, 5, 170-182.	3.8	1
1145	Master-CAM: Multi-scale fusion guided by Master map for high-quality class activation maps. Displays, 2023, 76, 102339.	2.0	0

#	ARTICLE	IF	CITATIONS
1146	A fast and lightweight detection algorithm for passion fruit pests based on improved YOLOv5. Computers and Electronics in Agriculture, 2023, 204, 107534.	3.7	26
1147	Fish school feeding behavior quantification using acoustic signal and improved Swin Transformer. Computers and Electronics in Agriculture, 2023, 204, 107580.	3.7	8
1148	A deep learning-based tool for the automated detection and analysis of caveolae in transmission electron microscopy images. Computational and Structural Biotechnology Journal, 2023, 21, 224-237.	1.9	0
1149	Post-pandemic healthcare for COVID-19 vaccine: Tissue-aware diagnosis of cervical lymphadenopathy via multi-modal ultrasound semantic segmentation. Applied Soft Computing Journal, 2023, 133, 109947.	4.1	2
1150	Recognition of gangues from color images using convolutional neural networks with attention mechanism. Measurement: Journal of the International Measurement Confederation, 2023, 206, 112273.	2.5	5
1151	Self-supervised transfer learning framework driven by visual attention for benign/malignant lung nodule classification on chest CT. Expert Systems With Applications, 2023, 215, 119339.	4.4	7
1152	Evaluating the faithfulness of saliency maps in explaining deep learning models using realistic perturbations. Information Processing and Management, 2023, 60, 103225.	5.4	6
1153	Interpreting denoising autoencoders with complex perturbation approach. Pattern Recognition, 2023, 136, 109212.	5.1	3
1154	Scale-Aware Siamese Object Tracking for Vision-Based UAM Approaching. IEEE Transactions on Industrial Informatics, 2023, 19, 9349-9360.	7.2	2
1155	Emotion Recognition of Subjects With Hearing Impairment Based on Fusion of Facial Expression and EEG Topographic Map. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2023, 31, 437-445.	2.7	6
1156	Rethinking Degradation: Radiograph Super-Resolution via AID-SRGAN. Lecture Notes in Computer Science, 2022, , 43-52.	1.0	4
1157	Multi-Level Progressive Learning for Unsupervised Vehicle Re-Identification. IEEE Transactions on Vehicular Technology, 2023, 72, 4357-4371.	3.9	3
1158	RSI-Grad-CAM: Visual Explanations from Deep Networks via Riemann-Stieltjes Integrated Gradient-Based Localization. Lecture Notes in Computer Science, 2022, , 262-274.	1.0	4
1159	Road Extraction From Satellite Imagery by Road Context and Full-Stage Feature. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	1.4	5
1160	Person Re-Identification for Suppressing Background Interference. Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics, 2022, 34, 563-569.	0.2	0
1161	Pedestrian re-identification based on Swin Transformer. , 2022, , .		0
1162	Deep Saliency Map Generators for Multispectral Video Classification. , 2022, , .		1
1163	Multi-Grained Interpretable Network for Image Recognition. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
1164	Privileged Attribution Constrained Deep Networks for Facial Expression Recognition. , 2022, , .		2
1165	Method of Transformation of Image Classification Labels into Segmentation Masks. MÃ-krosistemi, ElektronÃ-ka Ta Akustika, 2022, 27, 262933-1-262933-9.	0.2	0
1166	A Low-Cost Miniature Multispectral Image Sensor And Its Applications In Consumer Electronics. , 2022, , .		0
1167	Deep learning model-assisted detection of kidney stones on computed tomography. International Braz J Urol: Official Journal of the Brazilian Society of Urology, 2022, 48, 830-839.	0.7	22
1168	An Explainable and Reliable Facial Expression Recognition System for Remote Health Monitoring. , 2022, , .		2
1169	Frequency-Enhanced Channel-Spatial Attention Module for Grain Pests Classification. Agriculture (Switzerland), 2022, 12, 2046.	1.4	1
1170	ALipSol: An Attention-Driven Mixture-of-Experts Model for Lipophilicity and Solubility Prediction. Journal of Chemical Information and Modeling, 2022, 62, 5975-5987.	2.5	6
1171	Application of Machine Learning and Deep Learning Techniques for COVID-19 Screening Using Radiological Imaging: A Comprehensive Review. SN Computer Science, 2023, 4, .	2.3	6
1172	A novel automatic classification approach for micro-flaws on the large-aperture optics surface based on multi-light source fusion and integrated deep learning architecture. Journal of Intelligent Manufacturing, 2024, 35, 413-428.	4.4	1
1173	A Deep-Learning-Based Approach for Saliency Determination on Point Clouds. , 0, , .		0
1174	KRS-Net: A Classification Approach Based on Deep Learning for Koi with High Similarity. Biology, 2022, 11, 1727.	1.3	1
1175	Headache classification and automatic biomarker extraction from structural MRIs using deep learning. Brain Communications, 2022, 5, .	1.5	3
1176	Computer-Assisted Differential Diagnosis of Pyoderma Gangrenosum and Venous Ulcers with Deep Neural Networks. Journal of Clinical Medicine, 2022, 11, 7103.	1.0	2
1177	Toward safe AI. AI and Society, 2023, 38, 685-696.	3.1	3
1178	Weakly Supervised Localization of the Abnormal Regions in Breast Cancer X-Ray Images Using Patches Classification. Studies in Computational Intelligence, 2023, , 203-212.	0.7	0
1179	AI Approaches in Computer-Aided Diagnosis and Recognition of Neoplastic Changes in MRI Brain Images. Applied Sciences (Switzerland), 2022, 12, 11880.	1.3	1
1180	Classification of wheat diseases using deep learning networks with field and glasshouse images. Plant Pathology, 2023, 72, 536-547.	1.2	7
1181	A Robust System toÂDetect andÂExplain Public Mask Wearing Behavior. Studies in Computational Intelligence, 2023, , 155-169.	0.7	0

#	ARTICLE	IF	CITATIONS
1182	SLISEMAP: supervised dimensionality reduction through local explanations. Machine Learning, 2023, 112, 1-43.	3.4	6
1183	Convolutional Network Research for Defect Identification of Productor Appearance Surface. Electronics (Switzerland), 2022, 11, 4218.	1.8	2
1184	Feedback-Assisted Automatic Target and Clutter Discrimination Using a Bayesian Convolutional Neural Network for Improved Explainability in SAR Applications. Remote Sensing, 2022, 14, 6096.	1.8	3
1185	Deep learning-driven automatic detection of mucilage event in the Sea of Marmara, Turkey. Neural Computing and Applications, 2023, 35, 7063-7079.	3.2	2
1186	Detection and Localisation of Abnormal Parathyroid Glands: An Explainable Deep Learning Approach. Algorithms, 2022, 15, 455.	1.2	5
1187	Beauty in the Eyes of Machine: A Novel Intelligent Signal Processing-Based Approach to Explain the Brain Cognition and Perception of Beauty Using Uncertainty-Based Machine Voting. Electronics (Switzerland), 2023, 12, 48.	1.8	0
1188	Differentiation of Glioblastoma and Brain Metastases by MRI-Based Oxygen Metabolomic Radiomics and Deep Learning. Metabolites, 2022, 12, 1264.	1.3	6
1189	Machine Learning Model for Chest Radiographs: Using Local Data to Enhance Performance. Canadian Association of Radiologists Journal, 2023, 74, 548-556.	1.1	1
1191	The uncovered biases and errors in clinical determination of bone age by using deep learning models. European Radiology, 2023, 33, 3544-3556.	2.3	2
1192	Modeling of Flowering Time in Vigna radiata with Artificial Image Objects, Convolutional Neural Network and Random Forest. Plants, 2022, 11, 3327.	1.6	0
1193	Deep Learning Classifies Low- and High-Grade Glioma Patients with High Accuracy, Sensitivity, and Specificity Based on Their Brain White Matter Networks Derived from Diffusion Tensor Imaging. Diagnostics, 2022, 12, 3216.	1.3	5
1194	Plasma image classification using cosine similarity constrained convolutional neural network. Journal of Plasma Physics, 2022, 88, .	0.7	3
1195	Quantum capsule networks. Quantum Science and Technology, 2023, 8, 015016.	2.6	2
1197	Attention-based deep learning for breast lesions classification on contrast enhanced spectral mammography: a multicentre study. British Journal of Cancer, 2023, 128, 793-804.	2.9	7
1198	Graph-based autoencoder integrates spatial transcriptomics with chromatin images and identifies joint biomarkers for Alzheimer's disease. Nature Communications, 2022, 13, .	5.8	14
1199	Deep learning-based optical coherence tomography image analysis of human brain cancer. Biomedical Optics Express, 2023, 14, 81.	1.5	6
1200	A novel intelligent radiomic analysis of perfusion SPECT/CT images to optimize pulmonary embolism diagnosis in COVID-19 patients. EJNMMI Physics, 2022, 9, .	1.3	4
1201	Research on Laying Hens Feeding Behavior Detection and Model Visualization Based on Convolutional Neural Network. Agriculture (Switzerland), 2022, 12, 2141.	1.4	1

#	ARTICLE	IF	CITATIONS
1203	Advancing cardiovascular medicine with machine learning: Progress, potential, and perspective. <i>Cell Reports Medicine</i> , 2022, 3, 100869.	3.3	4
1204	Deep learning based on preoperative MR images improves the predictive power of survival models in primary spinal cord astrocytomas. <i>Neuro-Oncology</i> , 0, , .	0.6	2
1205	A Survey on Tools and Techniques for Localizing Abnormalities in X-ray Images Using Deep Learning. <i>Mathematics</i> , 2022, 10, 4765.	1.1	0
1206	Chest X-ray-based opportunistic screening of sarcopenia using deep learning. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2023, 14, 418-428.	2.9	6
1207	Intelligent identification and classification of sewer pipeline network defects based on improved RegNetY network. <i>Journal of Civil Structural Health Monitoring</i> , 2023, 13, 547-560.	2.0	2
1208	Dual segmentation models for poorly and well-differentiated hepatocellular carcinoma using two-step transfer deep learning on dynamic contrast-enhanced CT images. <i>Physical and Engineering Sciences in Medicine</i> , 0, , .	1.3	0
1209	Towards successful implementation of artificial intelligence in skin cancer care: a qualitative study exploring the views of dermatologists and general practitioners. <i>Archives of Dermatological Research</i> , 0, , .	1.1	2
1210	A Classification Method for Airborne Full-Waveform LiDAR Systems Based on a Gramian Angular Field and Convolution Neural Networks. <i>Electronics (Switzerland)</i> , 2022, 11, 4114.	1.8	1
1211	Machine learning-based multiparametric magnetic resonance imaging radiomics model for distinguishing central neurocytoma from glioma of lateral ventricle. <i>European Radiology</i> , 0, , .	2.3	1
1212	Detection of Miss-Seeding of Sweet Corn in a Plug Tray Using a Residual Attention Network. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12604.	1.3	1
1213	<sc>QuoteTarget</sc>: A sequence-based transformer protein language model to identify potentially druggable protein targets. <i>Protein Science</i> , 2023, 32, .	3.1	5
1214	Evaluating explainable artificial intelligence tools for hard disk drive predictive maintenance. <i>Artificial Intelligence Review</i> , 2023, 56, 7279-7314.	9.7	9
1215	Region-adaptive magnetic resonance image enhancement for improving CNN-based segmentation of the prostate and prostatic zones. <i>Scientific Reports</i> , 2023, 13, .	1.6	8
1216	BMI-adjusted adipose tissue volumes exhibit depot-specific and divergent associations with cardiometabolic diseases. <i>Nature Communications</i> , 2023, 14, .	5.8	24
1217	An Enhanced EEG Microstate Recognition Framework Based on Deep Neural Networks: An Application to Parkinson's Disease. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2023, 27, 1307-1318.	3.9	3
1218	A Lightweight CNN for Wind Turbine Blade Defect Detection Based on Spectrograms. <i>Machines</i> , 2023, 11, 99.	1.2	4
1219	Deep learning for skillful long-lead ENSO forecasts. <i>Frontiers in Climate</i> , 0, 4, .	1.3	4
1220	Using deep learning and explainable artificial intelligence to assess the severity of gastroesophageal reflux disease according to the Los Angeles Classification System. <i>Scandinavian Journal of Gastroenterology</i> , 2023, 58, 596-604.	0.6	4

#	ARTICLE	IF	CITATIONS
1221	Adversarially-Regularized Mixed Effects Deep Learning (ARMED) Models Improve Interpretability, Performance, and Generalization on Clustered (non-iid) Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, , 1-13.	9.7	0
1222	Deeply Explain CNN Via Hierarchical Decomposition. International Journal of Computer Vision, 2023, 131, 1091-1105.	10.9	3
1223	An Objective Metallographic Analysis Approach Based on Advanced Image Processing Techniques. Journal of Manufacturing and Materials Processing, 2023, 7, 17.	1.0	1
1224	Multi-receptive field spatiotemporal network for action recognition. International Journal of Machine Learning and Cybernetics, 0, , .	2.3	0
1225	Verification of Interpretability of Phase-Resolved Partial Discharge Using a CNN With SHAP. IEEE Access, 2023, 11, 4752-4762.	2.6	7
1226	Quantitative and Qualitative Analysis of 18 Deep Convolutional Neural Network (CNN) Models with Transfer Learning to Diagnose COVID-19 on Chest X-Ray (CXR) Images. SN Computer Science, 2023, 4, .	2.3	10
1227	Disentangled representations: towards interpretation of sex determination from hip bone. Visual Computer, 2023, 39, 6673-6687.	2.5	2
1228	Deep Learning Model for Static Ocular Torsion Detection Using Synthetically Generated Fundus Images. Translational Vision Science and Technology, 2023, 12, 17.	1.1	1
1229	What do deep neural networks find in disordered structures of glasses?. Frontiers in Physics, 0, 10, .	1.0	7
1230	Explainable Artificial Intelligence (XAI) for Intrusion Detection and Mitigation in Intelligent Connected Vehicles: A Review. Applied Sciences (Switzerland), 2023, 13, 1252.	1.3	28
1231	Multiscale Feature Fusion for Skin Lesion Classification. BioMed Research International, 2023, 2023, 1-15.	0.9	4
1232	Attention-Based Graph Neural Network for Molecular Solubility Prediction. ACS Omega, 2023, 8, 3236-3244.	1.6	5
1233	Computer aided detection of mercury heavy metal intoxicated fish: an application of machine vision and artificial intelligence technique. Multimedia Tools and Applications, 2023, 82, 20517-20536.	2.6	2
1234	Explainable Deep Learning for Supervised Seismic Facies Classification Using Intrinsic Method. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-11.	2.7	8
1235	Novel Comparative Study for the Detection of COVID-19 Using CT Scan and Chest X-ray Images. International Journal of Environmental Research and Public Health, 2023, 20, 1268.	1.2	5
1236	Feature alignment as a generative process. Frontiers in Artificial Intelligence, 0, 5, .	2.0	0
1237	Muscle Cross-Sectional Area Segmentation in Transverse Ultrasound Images Using Vision Transformers. Diagnostics, 2023, 13, 217.	1.3	9
1238	Deep learning-based personalised outcome prediction after acute ischaemic stroke. Journal of Neurology, Neurosurgery and Psychiatry, 2023, 94, 369-378.	0.9	4

#	ARTICLE	IF	CITATIONS
1239	Explanation-Guided Minimum Adversarial Attack. Lecture Notes in Computer Science, 2023, , 257-270.	1.0	0
1240	A radiographic, deep transfer learning framework, adapted to estimate lung opacities from chest x-rays. Bioelectronic Medicine, 2023, 9, .	1.0	3
1241	Mid-level data fusion of Raman spectroscopy and laser-induced breakdown spectroscopy: Improving ores identification accuracy. Analytica Chimica Acta, 2023, 1240, 340772.	2.6	7
1242	Thermal failure of diamond tools indicated by diamond degradation: Damage evaluation and property prediction on small image datasets. Engineering Applications of Artificial Intelligence, 2023, 119, 105800.	4.3	2
1243	Knowledge augmented broad learning system for computer vision based mixed-type defect detection in semiconductor manufacturing. Robotics and Computer-Integrated Manufacturing, 2023, 81, 102513.	6.1	10
1244	Driver Distraction Recognition Based on CBAM Attention Mechanism. , 2022, , .		0
1245	ASMOD: Adaptive Saliency Map on Object Detection. , 2022, , .		0
1246	Computer and Web Technology in Teaching Management System of Colleges and Universities. , 2022, , .		0
1247	Generalizability Analysis of Graph-based Trajectory Predictor with Vectorized Representation. , 2022, , .		2
1248	CAT-Site: Predicting Protein Binding Sites Using a Convolutional Neural Network. Pharmaceutics, 2023, 15, 119.	2.0	3
1249	COVID-19 Detection: A Systematic Review of Machine and Deep Learning-Based Approaches Utilizing Chest X-Rays and CT Scans. Cognitive Computation, 0, , .	3.6	5
1250	A Hybrid Deep Learning Based Anomaly Detection Framework dedicated for Big Research Infrastructures. , 2022, , .		0
1252	Phenotypic Analysis of Diseased Plant Leaves Using Supervised and Weakly Supervised Deep Learning. Plant Phenomics, 2023, 5, .	2.5	9
1253	Multi-MedVit: a deep learning approach for the diagnosis of COVID-19 with the CT images. , 2022, , .		2
1254	Attention-based Multi-flow Network for COVID-19 Classification and Lesion Localization from Chest CT. , 2022, , .		0
1255	G-SM-CAM: A Fast Visual Understanding of CNNs in SAR Images Interpretation. , 2021, , .		0
1256	Deep Learning With Convolutional Neural Networks for Motor Brain-Computer Interfaces Based on Stereo-Electroencephalography (SEEG). IEEE Journal of Biomedical and Health Informatics, 2023, 27, 2387-2398.	3.9	3
1257	Deep learning based identification of bone scintigraphies containing metastatic bone disease foci. Cancer Imaging, 2023, 23, .	1.2	3

#	ARTICLE	IF	CITATIONS
1258	Finding Explanations in AI Fusion of Electro-Optical/Passive Radio-Frequency Data. <i>Sensors</i> , 2023, 23, 1489.	2.1	2
1259	Explainable Model for Localization of Spiculation in Lung Nodules. <i>Lecture Notes in Computer Science</i> , 2023, , 457-471.	1.0	0
1261	Weakly supervised perivascular spaces segmentation with salient guidance of Frangi filter. <i>Magnetic Resonance in Medicine</i> , 2023, 89, 2419-2431.	1.9	3
1262	XAI Design Goals and Evaluation Metrics for Space Exploration: A Survey of Human Spaceflight Domain Experts. , 2023, , .		0
1263	Neural network interpretation techniques for analysis of histological images of breast abnormalities. <i>Gynecology</i> , 2023, 24, 529-537.	0.1	1
1264	Ultra-Attention: Automatic Recognition of Liver Ultrasound Standard Sections Based on Visual Attention Perception Structures. <i>Ultrasound in Medicine and Biology</i> , 2023, 49, 1007-1017.	0.7	4
1266	Micam: Visualizing Feature Extraction of Nonnatural Data. , 2023, , .		0
1267	Interpretable Differential Diagnosis of Non-COVID Viral Pneumonia, Lung Opacity and COVID-19 Using Tuned Transfer Learning and Explainable AI. <i>Healthcare (Switzerland)</i> , 2023, 11, 410.	1.0	3
1268	Automatic Multilabel Classification of Multiple Fundus Diseases Based on Convolutional Neural Network With Squeeze-and-Excitation Attention. <i>Translational Vision Science and Technology</i> , 2023, 12, 22.	1.1	4
1269	SCS-Net: An efficient and practical approach towards Face Mask Detection. <i>Procedia Computer Science</i> , 2023, 218, 1878-1887.	1.2	1
1270	A Novel Explainable CNN Model for Screening COVID-19 on X-ray Images. <i>Computer Systems Science and Engineering</i> , 2023, 46, 1789-1809.	1.9	0
1271	The Two-Stage Ensemble Learning Model Based on Aggregated Facial Features in Screening for Fetal Genetic Diseases. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 2377.	1.2	2
1272	YOLO-HR: Improved YOLOv5 for Object Detection in High-Resolution Optical Remote Sensing Images. <i>Remote Sensing</i> , 2023, 15, 614.	1.8	17
1273	Breast Tumor Classification in Ultrasound Images by Fusion of Deep Convolutional Neural Network and Shallow LBP Feature. <i>Journal of Digital Imaging</i> , 2023, 36, 932-946.	1.6	9
1275	To Detect Defects Which Are Three-Dimensional Changes by Using Their Bird's Eye View Images and Convolutional Neural Networks. <i>Lecture Notes in Production Engineering</i> , 2023, , 163-174.	0.3	0
1276	Uncertain-CAM: Uncertainty-Based Ensemble Machine Voting for Improved COVID-19 CXR Classification and Explainability. <i>Diagnostics</i> , 2023, 13, 441.	1.3	5
1277	Time Series Classification Based on Multi-Dimensional Feature Fusion. <i>IEEE Access</i> , 2023, 11, 11066-11077.	2.6	1
1278	Active Learning for Imbalanced Civil Infrastructure Data. <i>Lecture Notes in Computer Science</i> , 2023, , 283-298.	1.0	1

#	ARTICLE	IF	CITATIONS
1279	Self-taught cross-domain few-shot learning with weakly supervised object localization and task-decomposition. Knowledge-Based Systems, 2023, 265, 110358.	4.0	1
1280	Classification of seed corn ears based on custom lightweight convolutional neural network and improved training strategies. Engineering Applications of Artificial Intelligence, 2023, 120, 105936.	4.3	5
1281	Explainability of deep learning models in medical image classification. , 2022, , .		0
1282	Wavelet Convolutional Neural Network with Multilabel Classifier: A Compound Fault Diagnosis Framework and Its Interpretability Analysis. , 2022, , .		1
1283	An Identity Authentication Method Based on Accelerometer and Gyroscope. , 2022, , .		0
1284	TSEvo: Evolutionary Counterfactual Explanations for Time Series Classification. , 2022, , .		1
1285	Predicting Visual Outcome Following Surgery in Patients with Idiopathic Epiretinal Membrane Using A Novel Convolutional Neural Network. Retina, 2022, Publish Ahead of Print, .	1.0	0
1286	Fault diagnosis of printing press bearing based on deformable convolution residual neural network. Networks and Heterogeneous Media, 2023, 18, 622-646.	0.5	0
1287	BOREx: Bayesian-Optimization-Based Refinement of ASaliency Map for Image- and Video-Classification Models. Lecture Notes in Computer Science, 2023, , 274-290.	1.0	1
1289	Efficient end-to-end learning for cell segmentation with machine generated weak annotations. Communications Biology, 2023, 6, .	2.0	6
1291	Highly Performing Automatic Detection of Structural Chromosomal Abnormalities Using Siamese Architecture. Journal of Molecular Biology, 2023, 435, 168045.	2.0	2
1292	Deep learning for differentiating benign from malignant tumors on breast-specific gamma image. Technology and Health Care, 2023, , 1-7.	0.5	0
1293	Artificial intelligence to estimate the tear film breakup time and diagnose dry eye disease. Scientific Reports, 2023, 13, .	1.6	3
1294	Explainable deep learning model to predict invasive bacterial infection in febrile young infants: A retrospective study. International Journal of Medical Informatics, 2023, 172, 105007.	1.6	0
1295	Neural network based ensemble model to predict radiation induced lymphopenia after concurrent chemo-radiotherapy for non-small cell lung cancer from two institutions. Neoplasia, 2023, 39, 100889.	2.3	3
1296	Multimodal cross enhanced fusion network for diagnosis of Alzheimer's disease and subjective memory complaints. Computers in Biology and Medicine, 2023, 157, 106788.	3.9	2
1297	Temporal logic explanations for dynamic decision systems using anchors and Monte Carlo Tree Search. Artificial Intelligence, 2023, 318, 103897.	3.9	0
1298	DyFraNet: Forecasting and backcasting dynamic fracture mechanics in space and time using a 2D-to-3D deep neural network. , 2023, 1, .		5

#	ARTICLE	IF	CITATIONS
1299	Explanation leaks: Explanation-guided model extraction attacks. Information Sciences, 2023, 632, 269-284.	4.0	2
1300	Diagnosis of Alzheimer Disease and Tauopathies on Whole-Slide Histopathology Images Using a Weakly Supervised Deep Learning Algorithm. Laboratory Investigation, 2023, 103, 100127.	1.7	6
1301	Deep learning with visual explanations for leakage defect segmentation of metro shield tunnel. Tunnelling and Underground Space Technology, 2023, 136, 105107.	3.0	4
1302	Adversarial patch attacks against aerial imagery object detectors. Neurocomputing, 2023, 537, 128-140.	3.5	5
1303	Extending class activation mapping using Gaussian receptive field. Computer Vision and Image Understanding, 2023, 231, 103663.	3.0	1
1304	LOSN: Lightweight ore sorting networks for edge device environment. Engineering Applications of Artificial Intelligence, 2023, 123, 106191.	4.3	0
1305	Identification of white degradable and non-degradable plastics in food field: A dynamic residual network coupled with hyperspectral technology. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 296, 122686.	2.0	3
1306	LightX3ECG: A Lightweight and eXplainable Deep Learning System for 3-lead Electrocardiogram Classification. Biomedical Signal Processing and Control, 2023, 85, 104963.	3.5	9
1307	Roll Wear Prediction in Strip Cold Rolling with Physics-Informed Autoencoder and Counterfactual Explanations. , 2022, , .		4
1308	Classification of Helicobacter Pylori infection based on deep convolutional neural network with visual attention and self-supervised learning for endoscopic images. Multimedia Tools and Applications, 0, , .	2.6	0
1309	A log-additive neural model for spatio-temporal prediction of groundwater levels. Spatial Statistics, 2023, 55, 100740.	0.9	3
1310	CNN-based in situ tool wear detection: A study on model training and data augmentation in turning inserts. Journal of Manufacturing Systems, 2023, 68, 85-98.	7.6	8
1311	Intracranial steno-occlusive lesion detection on time-of-flight MR angiography using multi-task learning. Computerized Medical Imaging and Graphics, 2023, 107, 102220.	3.5	1
1312	Location of seed spoilage in mango fruit using X-ray imaging and convolutional neural networks. Scientific African, 2023, 20, e01649.	0.7	2
1313	Correct-by-Construction Runtime Enforcement in AI – A Survey. Lecture Notes in Computer Science, 2022, , 650-663.	1.0	0
1314	Asymmetric Training in RealnessGAN. IEEE Transactions on Multimedia, 2022, , 1-13.	5.2	0
1315	Developing and validating a highly sensitive platelet clump detection model for the Sysmex haematology analyser. Annals of Clinical Biochemistry, 2023, 60, 126-135.	0.8	1
1316	Segmentation Consistency Training: Out-of-Distribution Generalization for Medical Image Segmentation. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
1317	DEFAEK: Domain Effective Fast Adaptive Network for Face Anti-Spoofing. Neural Networks, 2023, 161, 83-91.	3.3	2
1318	Employing Super Resolution to Improve Low-Quality Deepfake Detection. , 2022, , .		0
1319	Attention-based CNN-BiLSTM for sleep state classification of spatiotemporal wide-field calcium imaging data. , 2023, , .		0
1320	Prediction of Visual Impairment in Epiretinal Membrane and Feature Analysis: A Deep Learning Approach Using Optical Coherence Tomography. Asia-Pacific Journal of Ophthalmology, 2023, 12, 21-28.	1.3	0
1321	Deep Learning Identifies HAT1 as a Morphological Regulator in Esophageal Squamous Carcinoma Cells through Controlling Cell Senescence. Advanced Intelligent Systems, 0, , 2200352.	3.3	1
1322	Enhancing Visualization and Explainability of Computer Vision Models with Local Interpretable Model-Agnostic Explanations (LIME). , 2022, , .		1
1323	Is Facial Recognition Biased at Near-Infrared Spectrum as Well?. , 2022, , .		1
1324	Deep Learning Based on Enhanced MRI T1 Imaging to Differentiate Small-cell and Non-small-cell Primary Lung Cancers in Patients with Brain Metastases. Current Medical Imaging, 2023, 19, .	0.4	1
1325	SECS: An effective CNN joint construction strategy for breast cancer histopathological image classification. Journal of King Saud University - Computer and Information Sciences, 2023, 35, 810-820.	2.7	2
1326	A Wrapped Approach Using Unlabeled Data for Diabetic Retinopathy Diagnosis. Applied Sciences (Switzerland), 2023, 13, 1901.	1.3	2
1327	DA-Res2UNet: Explainable blood vessel segmentation from fundus images. AEJ - Alexandria Engineering Journal, 2023, 68, 539-549.	3.4	5
1328	MBNet: A multi-branch network for detecting the appearance of Korla pears. Computers and Electronics in Agriculture, 2023, 206, 107660.	3.7	0
1329	Underwater Target Detection Lightweight Algorithm Based on Multi-Scale Feature Fusion. Journal of Marine Science and Engineering, 2023, 11, 320.	1.2	6
1330	A deep learning model with data integration of ultrasound contrast-enhanced micro-flow cines, B-mode images, and clinical parameters for diagnosing significant liver fibrosis in patients with chronic hepatitis B. European Radiology, 0, , .	2.3	2
1331	The utility of Vision Transformer in preoperatively predicting microvascular invasion status of hepatocellular carcinoma. Hpb, 2023, 25, 533-542.	0.1	1
1333	Application of neural network-based image analysis to detect sister chromatid cohesion defects. Scientific Reports, 2023, 13, .	1.6	3
1334	Discriminative feature learning through feature distance loss. Machine Vision and Applications, 2023, 34, .	1.7	0
1335	Deep Learning Applied to Intracranial Hemorrhage Detection. Journal of Imaging, 2023, 9, 37.	1.7	7

#	ARTICLE	IF	CITATIONS
1336	Cartography of Genomic Interactions Enables Deep Analysis of Single-Cell Expression Data. Nature Communications, 2023, 14, .	5.8	8
1337	Multi-aspect Matrix Factorization based Visualization of Convolutional Neural Networks. , 2022, , .		0
1338	Counterfactual Scenario-relevant Knowledge-enriched Multi-modal Emotion Reasoning. ACM Transactions on Multimedia Computing, Communications and Applications, 2023, 19, 1-25.	3.0	1
1339	Explaining deep convolutional models by measuring the influence of interpretable features in image classification. Data Mining and Knowledge Discovery, 0, , .	2.4	0
1340	Explainable Deep Learning for Medical Imaging Models through Class Specific Semantic Dictionaries. , 2022, , .		1
1341	Intelligent optoelectronic processor for orbital angular momentum spectrum measurement. Photonix, 2023, 4, .	5.5	26
1342	Open-Vocabulary Semantic Segmentation Using Test-Time Distillation. Lecture Notes in Computer Science, 2023, , 56-72.	1.0	0
1343	Dead pixel test using effective receptive field. Pattern Recognition Letters, 2023, 167, 149-156.	2.6	4
1344	Detection of COVID-19 Case from Chest CT Images Using Deformable Deep Convolutional Neural Network. Journal of Healthcare Engineering, 2023, 2023, 1-12.	1.1	4
1345	Privacy-Preserving Person Detection Using Low-Resolution Infrared Cameras. Lecture Notes in Computer Science, 2023, , 689-702.	1.0	1
1346	Few-shot learning using explainable Siamese twin network for the automated classification of blood cells. Medical and Biological Engineering and Computing, 2023, 61, 1549-1563.	1.6	2
1347	Supporting Code Review by Neural Network Using Program Images. Learning and Analytics in Intelligent Systems, 2023, , 69-81.	0.5	0
1348	Identifying Auxiliary or Adversarial Tasks Using Necessary Condition Analysis for Adversarial Multi-task Video Understanding. Lecture Notes in Computer Science, 2023, , 317-333.	1.0	0
1349	Improving Artificial Intelligence-Based Diagnosis on Pediatric Skin Lesions. Journal of Investigative Dermatology, 2023, 143, 1423-1429.e1.	0.3	2
1350	CTFuseNet: A Multi-Scale CNN-Transformer Feature Fused Network for Crop Type Segmentation on UAV Remote Sensing Imagery. Remote Sensing, 2023, 15, 1151.	1.8	3
1351	Affordable High Throughput Field Detection of Wheat Stripe Rust Using Deep Learning with Semi-Automated Image Labeling. Computers and Electronics in Agriculture, 2023, 207, 107709.	3.7	8
1352	BotanicX-AI: Identification of Tomato Leaf Diseases Using an Explanation-Driven Deep-Learning Model. Journal of Imaging, 2023, 9, 53.	1.7	10
1353	Deep learning-based prediction of rib fracture presence in frontal radiographs of children under two years of age: a proof-of-concept study. British Journal of Radiology, 2023, 96, .	1.0	2

#	ARTICLE	IF	CITATIONS
1354	Category-aware feature attribution for Self-Optimizing medical image classification. <i>Displays</i> , 2023, 77, 102397.	2.0	3
1355	Research on map emotional semantics using deep learning approach. <i>Cartography and Geographic Information Science</i> , 2023, 50, 465-480.	1.4	1
1356	Signal based Dilation Convolution CAM for Feature Extraction and Analysis in CNN Model. <i>Journal of Physics: Conference Series</i> , 2023, 2425, 012010.	0.3	0
1357	A Feature Dimensionality Reduction Method with Lossless Accuracy in Vehicular Network Traffic Detection. , 2023, , .		1
1358	Early-Warning System for Copper Alloy Abnormal Molten Pool in Wire-Arc Additive Manufacturing via Convolutional Neural Network Method. <i>Journal of Materials Engineering and Performance</i> , 0, , .	1.2	0
1359	Learning Patch-Channel Correspondence for Interpretable Face Forgery Detection. <i>IEEE Transactions on Image Processing</i> , 2023, 32, 1668-1680.	6.0	7
1360	A Unified Model for Fingerprint Authentication and Presentation Attack Detection. <i>Advances in Computer Vision and Pattern Recognition</i> , 2023, , 77-99.	0.9	0
1361	Cross-model consensus of explanations and beyond for image classification models: an empirical study. <i>Machine Learning</i> , 2023, 112, 1627-1662.	3.4	0
1362	A Single-Ended Fault Location Method for Transmission Line Based on Full Waveform Features Extractions of Traveling Waves. <i>IEEE Transactions on Power Delivery</i> , 2023, 38, 2585-2595.	2.9	3
1363	Skeleton-Based Multifeatures and Multistream Network for Real-Time Action Recognition. <i>IEEE Sensors Journal</i> , 2023, 23, 7397-7409.	2.4	7
1364	Label-Affinity Self-Adaptive Central Similarity Hashing for Image Retrieval. <i>IEEE Transactions on Multimedia</i> , 2023, 25, 9161-9174.	5.2	3
1365	Prediction of Early Visual Outcome of Small-Incision Lenticule Extraction (SMILE) Based on Deep Learning. <i>Ophthalmology and Therapy</i> , 2023, 12, 1263-1279.	1.0	1
1366	Improved classification of colorectal polyps on histopathological images with ensemble learning and stain normalization. <i>Computer Methods and Programs in Biomedicine</i> , 2023, 232, 107441.	2.6	5
1368	Transparency and Traceability for AI-Based Defect Detection in PCB Production. <i>Communications in Computer and Information Science</i> , 2023, , 54-72.	0.4	0
1369	Hierarchical graph learning for protein-protein interaction. <i>Nature Communications</i> , 2023, 14, .	5.8	18
1370	Using Attribution Sequence Alignment to Interpret Deep Learning Models for miRNA Binding Site Prediction. <i>Biology</i> , 2023, 12, 369.	1.3	1
1371	Fine temporal brain network structure modularizes and localizes differently in men and women: insights from a novel explainability framework. <i>Cerebral Cortex</i> , 2023, 33, 5817-5828.	1.6	0
1372	Masked Relation Learning for DeepFake Detection. <i>IEEE Transactions on Information Forensics and Security</i> , 2023, 18, 1696-1708.	4.5	16

#	ARTICLE	IF	CITATIONS
1373	Artificial Intelligence Radiographic Analysis Tool for Total Knee Arthroplasty. <i>Journal of Arthroplasty</i> , 2023, 38, S199-S207.e2.	1.5	5
1374	A Deep Model of Visual Attention for Saliency Detection on 3D Objects. <i>Neural Processing Letters</i> , 2023, 55, 8847-8867.	2.0	1
1375	Adaptively driven X-ray diffraction guided by machine learning for autonomous phase identification. <i>Npj Computational Materials</i> , 2023, 9, .	3.5	9
1376	Improving knowledge distillation via pseudo-multi-teacher network. <i>Machine Vision and Applications</i> , 2023, 34, .	1.7	0
1377	An explainable artificial intelligence system for diagnosing <i>Helicobacter Pylori</i> infection under endoscopy: a case-control study. <i>Therapeutic Advances in Gastroenterology</i> , 2023, 16, 175628482311550.	1.4	2
1378	Predicting muscle invasion in bladder cancer based on MRI: A comparison of radiomics, and single-task and multi-task deep learning. <i>Computer Methods and Programs in Biomedicine</i> , 2023, 233, 107466.	2.6	8
1379	Dual wavelength analysis and classification of brain tumor tissue with optical coherence tomography. , 2023, , .		0
1380	Toward Automated Right Ventricle Segmentation via Edge Feature-Induced Self-Attention Multiscale Feature Aggregation Full Convolution Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2023, 72, 1-12.	2.4	2
1382	Deep Learning for Parkinson's Disease Diagnosis: A Short Survey. <i>Computers</i> , 2023, 12, 58.	2.1	6
1383	Computational modeling of human multisensory spatial representation by a neural architecture. <i>PLoS ONE</i> , 2023, 18, e0280987.	1.1	0
1384	Liquid Crystals as Multifunctional Interfaces for Trapping and Characterizing Colloidal Microplastics. <i>Small</i> , 2023, 19, .	5.2	3
1385	Classification and segmentation of OCT images for age-related macular degeneration based on dual guidance networks. <i>Biomedical Signal Processing and Control</i> , 2023, 84, 104810.	3.5	5
1386	Deep Learning of Phase-Contrast Images of Cancer Stem Cells Using a Selected Dataset of High Accuracy Value Using Conditional Generative Adversarial Networks. <i>International Journal of Molecular Sciences</i> , 2023, 24, 5323.	1.8	2
1387	Explainability of deep learning models in medical video analysis: a survey. <i>PeerJ Computer Science</i> , 0, 9, e1253.	2.7	3
1388	Transfer learning, alternative approaches, and visualization of a convolutional neural network for retrieval of the internuclear distance in a molecule from photoelectron momentum distributions. <i>Physical Review A</i> , 2023, 107, .	1.0	3
1389	Novel methods for elucidating modality importance in multimodal electrophysiology classifiers. <i>Frontiers in Neuroinformatics</i> , 0, 17, .	1.3	10
1390	Convolutional Neural Network Quantification of Gleason Pattern 4 and Association With Biochemical Recurrence in Intermediate-Grade Prostate Tumors. <i>Modern Pathology</i> , 2023, 36, 100157.	2.9	1
1391	Deep learning-assisted prediction of protein-protein interactions in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2023, 114, 984-994.	2.8	2

#	ARTICLE	IF	CITATIONS
1392	IoT-assisted feature learning for surface settlement prediction caused by shield tunnelling. Computer Communications, 2023, 203, 276-288.	3.1	6
1393	Fooling Partial Dependence via Data Poisoning. Lecture Notes in Computer Science, 2023, , 121-136.	1.0	1
1394	Effects of AI and Logic-Style Explanations on Users'™ Decisions Under Different Levels of Uncertainty. ACM Transactions on Interactive Intelligent Systems, 2023, 13, 1-42.	2.6	1
1395	Hyperspectral Image Classification Using Spectral Spatial Token Enhanced Transformer With Hash-Based Positional Embedding. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-16.	2.7	6
1396	Neural Network Based Classification of Breast Cancer Histopathological Image from Intraoperative Rapid Frozen Sections. Journal of Digital Imaging, 0, , .	1.6	0
1397	COVID-19 disease identification network based on weakly supervised feature selection. Mathematical Biosciences and Engineering, 2023, 20, 9327-9348.	1.0	0
1398	A Novel Intelligent Ship Detection Method Based on Attention Mechanism Feature Enhancement. Journal of Marine Science and Engineering, 2023, 11, 625.	1.2	4
1399	Convolutional neural network based decoders for surface codes. Quantum Information Processing, 2023, 22, .	1.0	0
1400	Improving explainability results of convolutional neural networks in microscopy images. Neural Computing and Applications, 0, , .	3.2	0
1402	Utilizing Explainable AI for improving the Performance of Neural Networks. , 2022, , .		1
1403	Explainable GeoAI: can saliency maps help interpret artificial intelligence's™ learning process? An empirical study on natural feature detection. International Journal of Geographical Information Science, 2023, 37, 963-987.	2.2	5
1404	A novel method based on thermal image to predict the personal thermal comfort in the vehicle. Case Studies in Thermal Engineering, 2023, 45, 102952.	2.8	3
1405	Characterizing the interaction conformation between T-cell receptors and epitopes with deep learning. Nature Machine Intelligence, 2023, 5, 395-407.	8.3	8
1406	A Perspective on Explanations of Molecular Prediction Models. Journal of Chemical Theory and Computation, 2023, 19, 2149-2160.	2.3	13
1407	Remote Sensing Scene Classification Based on Multibranch Fusion Attention Network. IEEE Geoscience and Remote Sensing Letters, 2023, 20, 1-5.	1.4	7
1408	Prediction of melanoma Breslow thickness using deep transfer learning algorithms. Clinical and Experimental Dermatology, 2023, 48, 752-758.	0.6	1
1409	Data Augmentation Algorithm Based on Local Dynamic Transformation. , 2022, , .		0
1410	Human-Centered Deferred Inference: Measuring User Interactions and Setting Deferral Criteria for Human-AI Teams. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
1411	Applying Deep Learning Methods for Mammography Analysis and Breast Cancer Detection. Applied Sciences (Switzerland), 2023, 13, 4272.	1.3	3
1413	Pixel-Level Face Image Quality Assessment for Explainable Face Recognition. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2023, , 1-1.	3.8	2
1414	NIRS Data Augmentation Technique to Detect Hemodynamic Peaks during Self-Paced Motor Imagery. IEEE Access, 2023, , 1-1.	2.6	0
1415	LCAM: Low-Complexity Attention Module for Lightweight Face Recognition Networks. Mathematics, 2023, 11, 1694.	1.1	0
1416	EchoAI: A deep-learning based model for classification of echinoderms in global oceans. Frontiers in Marine Science, 0, 10, .	1.2	0
1417	On the use of XAI for CNN Model Interpretation: A Remote Sensing Case Study. , 2022, , .		1
1418	Brute-force analysis of insight of phase-resolved partial discharge using a CNN. Electrical Engineering, 2023, 105, 2373-2382.	1.2	1
1419	Explainable artificial intelligence-based prediction of poor neurological outcome from head computed tomography in the immediate post-resuscitation phase. Scientific Reports, 2023, 13, .	1.6	4
1420	An expert knowledge-empowered CNN approach for welding radiographic image recognition. Advanced Engineering Informatics, 2023, 56, 101963.	4.0	9
1421	Research of integrating prior knowledge into abnormal behavior recognition model of EV charging station. , 2023, , .		0
1422	An Adversarial Attack on Salient Regions of Traffic Sign. Automotive Innovation, 0, , .	3.1	0
1423	An interpretability security framework for intelligent decision support systems based on saliency map. International Journal of Information Security, 2023, 22, 1249-1260.	2.3	1
1424	Slope stability prediction based on a long short-term memory neural network: comparisons with convolutional neural networks, support vector machines and random forest models. International Journal of Coal Science and Technology, 2023, 10, .	2.7	14
1425	Illumination Distillation Framework for Nighttime Person Re-Identification and a New Benchmark. IEEE Transactions on Multimedia, 2024, 26, 406-419.	5.2	1
1426	Specific Binding Ratio Estimation of [123I]-FP-CIT SPECT Using Frontal Projection Image and Machine Learning. Diagnostics, 2023, 13, 1371.	1.3	0
1427	Channel Spatial Collaborative Attention Network for Fine-Grained Classification of Cervical Cells. Communications in Computer and Information Science, 2023, , 540-551.	0.4	2
1428	Vision transformers for the prediction of mild cognitive impairment to Alzheimer's disease progression using mid-sagittal sMRI. Frontiers in Aging Neuroscience, 0, 15, .	1.7	6
1429	Dynamic Convolutional Network for Generalizable Face Anti-spoofing. Communications in Computer and Information Science, 2023, , 471-482.	0.4	0

#	ARTICLE	IF	CITATIONS
1430	PPLC-Net:Neural network-based plant disease identification model supported by weather data augmentation and multi-level attention mechanism. Journal of King Saud University - Computer and Information Sciences, 2023, 35, 101555.	2.7	5
1431	Evaluating the Impact of Human Explanation Strategies on Human-AI Visual Decision-Making. Proceedings of the ACM on Human-Computer Interaction, 2023, 7, 1-37.	2.5	0
1432	Diagnoses in multiple types of cancer based on serum Raman spectroscopy combined with a convolutional neural network: Gastric cancer, colon cancer, rectal cancer, lung cancer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 298, 122743.	2.0	5
1433	A forest fire smoke detection model combining convolutional neural network and vision transformer. Frontiers in Forests and Global Change, 0, 6, .	1.0	3
1434	Deep learning-assisted diagnosis of benign and malignant parotid tumors based on contrast-enhanced CT: a multicenter study. European Radiology, 2023, 33, 6054-6065.	2.3	5
1435	Enhancement of Diabetic Retinopathy Classification using Attention Guided Convolutional Neural Network. , 2022, , .		0
1436	Detecting Backdoor Attacks on Deep Neural Networks Based on Model Parameters Analysis. , 2022, , .		0
1438	Materials in the Drive Chain – Modeling Materials for the Internet of Production. , 2023, , 1-21.		0
1439	Identification of geographical origins of Radix Paeoniae Alba using hyperspectral imaging with deep learning-based fusion approaches. Food Chemistry, 2023, 422, 136169.	4.2	10
1440	DeePSC: A Deep Learning Model for Automated Diagnosis of Primary Sclerosing Cholangitis at Two-dimensional MR Cholangiopancreatography. Radiology: Artificial Intelligence, 2023, 5, .	3.0	1
1441	Art image inpainting via embedding multiple attention dilated convolutions. Multimedia Tools and Applications, 0, , .	2.6	0
1442	Knowledge-guided CNN Model for Similar 3D Wear Debris Identification with Small Number of Samples. Journal of Tribology, 0, , 1-13.	1.0	0
1443	RePrompt: Automatic Prompt Editing to Refine AI-Generative Art Towards Precise Expressions. , 2023, , .		6
1444	A guide to optometrists for appraising and using artificial intelligence in clinical practice. Australasian journal of optometry, The, 2023, 106, 569-579.	0.6	3
1445	XAI-enabled neural network analysis of metabolite spatial distributions. Analytical and Bioanalytical Chemistry, 0, , .	1.9	0
1447	Digital Audit Platform Based on Visual Data Analysis. Lecture Notes in Electrical Engineering, 2023, , 280-290.	0.3	0
1448	Large Screen for 3D Data Visualization Based on RFG-SVM Algorithm. Lecture Notes in Electrical Engineering, 2023, , 767-774.	0.3	0
1450	Plant Disease Classification Using Hybrid Features. Communications in Computer and Information Science, 2023, , 477-492.	0.4	0

#	ARTICLE	IF	CITATIONS
1477	Gaining Insights into Robot Localization Monitor Using Explainable Artificial Intelligence. Mechanisms and Machine Science, 2023, , 170-177.	0.3	0
1483	Deep Learning-based Interpretable Detection Method for Fundus Diseases. , 2023, , .		0
1486	An Explainable Alzheimer's Disease Prediction Using EfficientNet-B7 Convolutional Neural Network Architecture. Lecture Notes in Electrical Engineering, 2023, , 737-748.	0.3	1
1493	Real-time driver behaviour recognition. , 2023, , 109-129.		0
1494	Driver behaviour recognition based on the fusion of head movement and hand movement. , 2023, , 85-107.		0
1513	Artificial Intelligence in Predicting Systemic Disease from Ocular Imaging. , 2023, , 219-242.		1
1514	Rice Diseases Detection and Localization with Only Image-Level Disease Training Labels. , 2023, , .		1
1521	Trustworthy artificial intelligence in healthcare. , 2023, , 145-177.		0
1530	Gaitmixer: Skeleton-Based Gait Representation Learning Via Wide-Spectrum Multi-Axial Mixer. , 2023, , .		7
1535	Artificial intelligence for waste management in smart cities: a review. Environmental Chemistry Letters, 2023, 21, 1959-1989.	8.3	26
1543	Actionable Artificial Intelligence for the Future of Production. , 2023, , 1-46.		3
1550	An Efficient Lightweight Spatio-temporal Attention Module for Action Recognition. , 2022, , .		0
1556	Melanoma Skin Cancer Classification with Explainability. , 2023, , .		4
1563	"When Can I Trust It?" Contextualising Explainability Methods for Classifiers. , 2023, , .		0
1567	Towards Understanding of Deep Reinforcement Learning Agents Used in Cloud Resource Management. Lecture Notes in Computer Science, 2023, , 561-575.	1.0	0
1570	Visual Language Maps for Robot Navigation. , 2023, , .		21
1571	Learning on the Job: Self-Rewarding Offline-to-Online Finetuning for Industrial Insertion of Novel Connectors from Vision. , 2023, , .		2
1573	Visualizing Invariant Features in Vision Models. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
1579	User Transparency of Artificial Intelligence and Digital Twins in Production – Research on Lead Applications and the Transfer to Industry. Lecture Notes in Computer Science, 2023, , 322-332.	1.0	0
1581	Exploring the Effect of Visual-Based Subliminal Persuasion in Public Speeches Using Explainable AI Techniques. Lecture Notes in Computer Science, 2023, , 381-397.	1.0	0
1590	Interpreters for GNN-Based Vulnerability Detection: Are We There Yet?. , 2023, , .		2
1593	Comparison of Explainable Machine Learning Algorithms for Optimization of Virtual Gas Sensor Arrays. , 2023, , .		1
1603	Spatial-Temporal Variables for Deepfake Video Identification. , 2023, , .		0
1604	Computational Pathology for Brain Disorders. Neuromethods, 2023, , 533-572.	0.2	0
1608	Exploring Out-of-Distribution in Image Classification for Neural Networks Via Concepts. Lecture Notes in Networks and Systems, 2023, , 155-171.	0.5	0
1616	Residual Convolutional Neural Network Models for COVID-19 Detection from Chest X-Ray: A Comparative Study. Lecture Notes in Electrical Engineering, 2023, , 69-81.	0.3	0
1617	Pre or Post-Softmax Scores in Gradient-based Attribution Methods, What is Best?. , 2023, , .		0
1622	Deep Visualisation-Based Interpretable Analysis of Digital Pathology Images for Colorectal Cancer. Lecture Notes in Networks and Systems, 2023, , 555-565.	0.5	0
1626	Deep learning approach to vehicle pose estimation from polarimetric image data. , 2023, , .		0
1627	Multi-disease Classification Including Localization Through Chest X-Ray Images. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 129-141.	0.5	0
1632	Comparison of Attention Models and Post-hoc Explanation Methods for Embryo Stage Identification: A Case Study. Lecture Notes in Computer Science, 2023, , 216-230.	1.0	0
1633	Automatic Evaluation of Herding Behavior in Towed Fishing Gear Using End-to-End Training of CNN and Attention-Based Networks. Lecture Notes in Computer Science, 2023, , 430-444.	1.0	0
1638	Don't FREAK Out: A Frequency-Inspired Approach to Detecting Backdoor Poisoned Samples in DNNs. , 2023, , .		0
1639	Sparse Multimodal Vision Transformer for Weakly Supervised Semantic Segmentation. , 2023, , .		0
1640	NTIRE 2023 Challenge on Image Denoising: Methods and Results. , 2023, , .		14
1641	Large-Scale Facial Expression Recognition Using Dual-Domain Affect Fusion for Noisy Labels. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
1644	A Confusion Matrix for Evaluating Feature Attribution Methods. , 2023, , .		0
1655	Companion Paper: Deep Saliency Map Generators for Multispectral Video Classification. Lecture Notes in Computer Science, 2023, , 51-56.	1.0	0
1661	A Comprehensive Review on Advancement in Deep Learning Techniques for Automatic Detection of Tuberculosis from Chest X-ray Images. Archives of Computational Methods in Engineering, 2024, 31, 455-474.	6.0	3
1663	A Trustworthiness Score to Evaluate DNN Predictions. , 2023, , .		0
1667	Doppler Image-Based Weakly-Supervised Vascular Ultrasound Segmentation with Transformer. , 2023, , .		0
1668	A lightweight model based on YOLOv8n in wheat spike detection. , 2023, , .		0
1674	Improving Classification of Lung Abnormalities in Chest X-ray Images through Attention-guided Lightweight Convolutional Neural Network. , 2023, , .		0
1707	Interpreting Arrhythmia Classification Using Deep Neural Network and CAM-Based Approach. , 2022, , .		0
1711	QCA-Net: Quantum-based Channel Attention for Deep Neural Networks. , 2023, , .		1
1713	MobileNet-Light: A Lightweight TCT Image Classification Model for Cervical Cancer. , 2023, , .		0
1714	Self-Training and Modular Approaches for Surgical Image Recognition. , 2023, , .		0
1715	Adversarial Patch Detection and Mitigation by Detecting High Entropy Regions. , 2023, , .		0
1717	Generating Adversarial Attacks in the Latent Space. , 2023, , .		0
1718	Vision Transformers with Mixed-Resolution Tokenization. , 2023, , .		1
1719	Former: Debaised Dual Distilled Transformer for Incremental Learning. , 2023, , .		1
1722	Domain-Specific Evaluation of Visual Explanations for Application-Grounded Facial Expression Recognition. Lecture Notes in Computer Science, 2023, , 31-44.	1.0	1
1724	Open-Set Fine-Grained Retrieval via Prompting Vision-Language Evaluator. , 2023, , .		4
1725	OmniAL: A Unified CNN Framework for Unsupervised Anomaly Localization. , 2023, , .		2

#	ARTICLE	IF	CITATIONS
1726	Enhancing the Self-Universality for Transferable Targeted Attacks. , 2023, , .		2
1728	Initialization Noise in Image Gradients and Saliency Maps. , 2023, , .		0
1729	Explaining Image Classifiers with Multiscale Directional Image Representation. , 2023, , .		0
1731	Enhancing Retail Product Recognition: Fine-Grained Bottle Size Classification. , 2023, , .		0
1732	Masked Autoencoding Does Not Help Natural Language Supervision at Scale. , 2023, , .		0
1733	Towards Trustable Skin Cancer Diagnosis via Rewriting Model's Decision. , 2023, , .		3
1737	Aerial-Ground Person Re-ID. , 2023, , .		1
1739	Multiple Instance Learning for Lymph Node Metastasis Prediction from Cervical Cancer MRI. , 2023, , .		0
1744	Natural Language Guided Attention Mixer for Object Tracking. , 2023, , .		0
1745	RATSR: A Region Adaptive Transformer for Image Super-Resolution Based on Heat Feature Map. , 2023, , .		0
1747	Histopathology exploratory evidence of discrepancy detection of carcinoma in the colorectal region using integrated CNN-GradCAM. AIP Conference Proceedings, 2023, , .	0.3	0
1749	An Automated Precision Spraying Evaluation System. Lecture Notes in Computer Science, 2023, , 26-37.	1.0	0
1754	Context-Aware Multi-Stream Networks for Dimensional Emotion Prediction in Images. , 2023, , .		0
1764	Unmanned Aerial Vehicle Autonomous Visual Landing through Visual Attention-Based Deep Reinforcement Learning. , 2023, , .		0
1768	Knowledge Distillation on Driving Intention Generator: Learn Human-like Semantic Reasoning. , 2023, , .		0
1773	Neural networks in medical imaging. , 2024, , 92-119.		0
1783	Terrain Type Detection for Smart Equine Gait Analysis Systems Using Inertial Sensors and Machine Learning. , 2023, , .		0
1784	Actionable Artificial Intelligence for the Future of Production. , 2023, , 1-46.		1

#	ARTICLE	IF	CITATIONS
1787	An Agricultural Precision Sprayer Deposit Identification System. , 2023, , .		0
1789	Deep learning medical image segmentation. , 2024, , 475-500.		0
1792	Evaluating the Performance of Explanation Methods on Ordinal Regression CNN Models. Lecture Notes in Computer Science, 2023, , 529-540.	1.0	0
1803	Identification and Classification of Skin Diseases with Erythema Using YOLO Algorithm. Algorithms for Intelligent Systems, 2023, , 595-605.	0.5	0
1807	Interpreting Convolutional Neural Networks for Brain Tumor Classification: An Explainable Artificial Intelligence Approach. Lecture Notes in Computer Science, 2023, , 77-91.	1.0	1
1815	Combustion Instability Diagnosis of OH* Chemiluminescence Based on a Self-Supervised Learning Method. , 2023, , .		0
1822	Diabetic Retinopathy Diagnosis Leveraging Densely Connected Convolutional Networks and Explanation Technique. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 105-114.	0.5	0
1825	XInsight: Revealing Model Insights for GNNs with Flow-Based Explanations. Communications in Computer and Information Science, 2023, , 303-320.	0.4	0
1826	Automatic Detection of Abandoned Vineyards Using Aerial Imagery. , 2023, , .		0
1827	Towards the Understanding of the C-Band Temporal Signature of Boreal Forest Through Physiology Parameters Retrieval from Sentinel-1 Time Series and Machine Learning. , 2023, , .		0
1828	DEXT: Detector Explanation Toolkit. Communications in Computer and Information Science, 2023, , 433-456.	0.4	0
1829	Weakly-Supervised ROI Extraction Method Based on Contrastive Learning for Remote Sensing Images. , 2023, , .		0
1831	HOLMES: HOlynom-MEronym Based Semantic Inspection for Convolutional Image Classifiers. Communications in Computer and Information Science, 2023, , 475-498.	0.4	0
1833	Finding Spurious Correlations with Function-Semantic Contrast Analysis. Communications in Computer and Information Science, 2023, , 549-572.	0.4	0
1835	A Comprehensive Survey of Explainable Artificial Intelligence (XAI) Methods: Exploring Transparency and Interpretability. Lecture Notes in Computer Science, 2023, , 915-925.	1.0	1
1837	Post-Hoc Explainability of BI-RADS Descriptors in a Multi-Task Framework for Breast Cancer Detection and Segmentation. , 2023, , .		2
1845	The Human Side of XAI: Bridging the Gap between AI and Non-expert Audiences. , 2023, , .		0
1864	Sanity Checks for Saliency Methods Explaining Object Detectors. Communications in Computer and Information Science, 2023, , 438-455.	0.4	1

#	ARTICLE	IF	CITATIONS
1866	GaitSADA: Self-Aligned Domain Adaptation for mmWave Gait Recognition. , 2023, , .		1
1867	An Explainable SAR Shadow-Aware Transformer with ASC Embedded for Shaded Object Classification. , 2023, , .		0
1875	Low-Cost Gunshot Detection System with Localization for Community Based Violence Interruption. , 2023, , .		0
1876	Towards Explaining Satellite Based Poverty Predictions with Convolutional Neural Networks. , 2023, , .		0
1878	Artificial Intelligence in Visual Analytics. , 2023, , .		0
1879	Evaluating Explanation Methods of Multivariate Time Series Classification through Causal Lenses. , 2023, , .		0
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1897	Enhancing Detection of Daily-Used Face Swap Applications by Using Focused Landmark Analysis. Communications in Computer and Information Science, 2023, , 240-254.	0.4	0
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1912	Towards Better Evaluations of Class Activation Mapping and Interpretability of CNNs. Communications in Computer and Information Science, 2024, , 352-369.	0.4	0

#	ARTICLE	IF	CITATIONS
1918	Beyond Model Accuracy: Identifying Hidden Underlying Issues in Chest X-ray Classification. Lecture Notes in Computer Science, 2024, , 533-544.	1.0	0
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1944	Artificial Intelligence and Machine Learning. , 2024, , 317-342.		0
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1949	Unmasking Illusion of Daily-used Deepfake Applications through Landmark Focused Image. , 2023, , .		1
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1973	HGExplainer: Explainable Heterogeneous Graph Neural Network. , 2023, , .		0
1975	In-Training Explainability Frameworks: A Method to Make Black-Box Machine Learning Models More Explainable. , 2023, , .		0
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1988	Group-Conditional Conformal Prediction via Quantile Regression Calibration for Crop and Weed Classification. , 2023, , .		1
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#	ARTICLE	IF	CITATIONS
1992	Multimodal Neurons in Pretrained Text-Only Transformers. , 2023, , .		0
1993	The Efficiency of Japanese Character Classification by Attention Mechanism. Communications in Computer and Information Science, 2024, , 185-193.	0.4	0
1998	A survey of classification methods for chest x-ray pathologies utilizing deep learning. AIP Conference Proceedings, 2023, , .	0.3	0
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#	ARTICLE	IF	CITATIONS
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2074	Silicosis Detection Using Extended Transfer Learning Model. Communications in Computer and Information Science, 2024, , 111-126.	0.4	0
2076	What EXACTLY are We Looking at?: Investigating for Discriminance in Ultra-Fine-Grained Visual Categorization Tasks. , 2023, , .		0
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2087	Papillary Thyroid Cancer Histopathological Image Classification Using Pretrained ConvNeXt Tiny and Grad-CAM Interpretation. , 2023, , .		0
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2106	Federated Learning for Breast Cancer Classification. Advances in Medical Diagnosis, Treatment, and Care, 2024, , 238-273.	0.1	0
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#	ARTICLE	IF	CITATIONS
2147	Impacts of Synthetically Generated Data on Trackformer-based Multi-Object Tracking. , 2023, , .		0
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2180	Deep Learning of Cancer Stem Cell Morphology. Methods in Molecular Biology, 2024, , 231-256.	0.4	0